Curriculum Vitae:

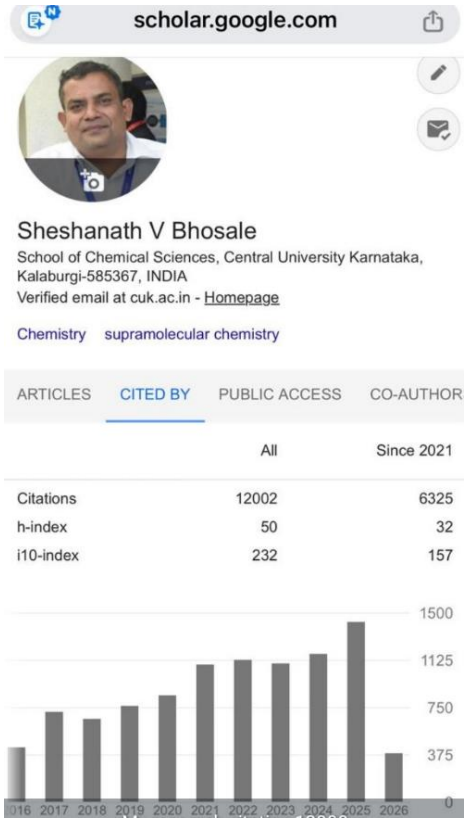


Dr. Sheshanath V. Bhosale

UGC-Professor, FRSC, FMASc, ARC-FF, ARC-APD, MRACI

Department of Chemistry, School of Chemical Sciences,
Central University of Karnataka, Kadaganchi, Karnataka-585367, INDIA
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Tel.:+91 9764068163

Professor Sheshanath V. Bhosale has worked for several different organizations in various countries that includes Germany, Switzerland, Australia, Goa and currently at Central University of Karnataka, India. Within a short amount of time, he has established a very good reputation at the international level, and his exceptional international experience and research excellence have given him the dynamic background needed to make a significant contribution to the scientific community in areas associated with advanced technology. In total he has published >**330** peer revived publications (including Science, Chem. Rev., Chem. Soc. Rev., Nature Sci. Rep. JACS, Angew. Chem. Chem. Commun. Org. Lett. J. Or. Chem. Tetrahedron to name few) with **90%** of publications in ***A*/A* journals** including **25 cover page articles** and **overall citations are >12300** and **1** book and **19 book chapters** on his credit along **with invited talk/key/plenary lectures in ~100 conferences**. His h-index is **51,** and i-index **233**. This was evaluated by according to Google scholar. Under Dr. Bhosale's supervision supervised **17 PhD's**, **1 Master** by research student and **5 honors** students completed their thesis. Professor Sheshanath V. Bhosale working at Central University of Karnataka as a UGC-Professor, his research interest is synthesis of small organic molecules with possible applications in nanomaterials and organic solar cells with emphasis of synthetic organic chemistry. He is also interested in sustainable chemistry with a use of small fluorescence molecules with which to develop a new approach to designing photoswitchable devices.



Research Experience and Positions

Dates	**Position**	**Affiliation**	**Supervisor**
Mar. 2023-present	Professor (UGC-FRP)	Central University of Karnataka	
Jan. 2018-Mar. 2023	Professor (UGC-FRP)	Goa University	

Jan. 2016 –Dec. 2017	Senior Staff Scientist	RMIT University, Melbourne, Australia	
Dec 8, 2011-Dec. 2015	ARC Future Fellow (Equivalent to professor)	RMIT University, Melbourne, Australia	
Aug 15, 2009-Nov 3, 2011	Lecturer (Promoted)	Monash University, Clayton Victoria, Australia	
January 1, 2008-Aug. 14, 2009	ARC-APD Fellow	Monash University, Clayton Victoria, Australia	
Oct 3, 2006-December 31, 2007	Assistant Lecturer	Monash University, Clayton Victoria, Australia	
Mar 3, 2005 –Sept 30, 2006	Roche Foundation Postdoctoral Fellow	University of Geneva Switzerland	Prof. Stefan Matile
Dec 16 2005-Mar 1, 2005	Postdoctoral Fellow	Freie Universität Berlin, Berlin, Germany	Prof. J.-H. Fuhrhop
Sept 8, 1999-Dec 20, 2001	Project Assistant	National Chemical Laboratory, Pune, India	Dr. M. K. Gurjar

Education

Dates	**Degree**	**Affiliation**	**Subjects**	**Year/remark**
Feb 2010-July 2011	Graduate Certificate of Higher Education (GCHE)	Monash University, Australia	Learning and teaching in higher education, problem-based learning, contemporary issues in higher education A, evaluation of current assessment plan for a unit	2011/First division (73%)
Jan 2002-Dec 2004	Doctor of Philosophy in Organic Chemistry (Ph.D.)	Freie Universität Berlin, Berlin, Germany	Synthesis of Bolaamphiphiles and Yoctowells with a Porphyrin Bottom on Aminated Silica Particles Containing Long-Distance Photo Active Redox Pairs and Rigid Crust**:** http://www.diss.fu-berlin.de/diss/receive/FUDISS_thesis_000000001364	2004/Magna cum Laude
Jun 1997-Jun 1999	Master of Science (M.Sc.)	Swami Ramanand Teerth Marathwada University, India	Synthetic Organic Chemistry, Natural Products, Spectroscopy and Polymer Chemistry	1999/First division (64.38%)

Jun 1994-May 1997	Bachelor of Science (B.Sc.)	Dr. B. A. M. University, Aurangabad, India	Chemistry, Physics and Mathematics	1997/First division (65.64%)
1992-1994	XIIth standard	Maharashtra board, PUNE 1994	Hindi, English, Chem. Phys., Math., Botany	47.67%
1990-1991	Matriculation	Maharashtra board, PUNE	Marathi, Hindi, English, Science, Social Science	66.14%

Awards and Grants

Dates	***Award/Grant***
2025	***Prof. Wahid Uddin Malik Memorable Award*** for significant contribution in the field of Chemistry in the 44th Annual National Conference of Indian Council of Chemistry held at School of Advanced Sciences, KLE Technology University, Hubballi, Karnataka
2025	***Best Researcher Award by*** *Central University of Karnataka, Kalaburagi*
2021, 2022, 2023, 2024, 2025	Top 2% of the most-cited scientists in various disciplines: Chemistry ***Evaluated by*** US-based Stanford University
2021-present	Member, Board of Studies in Chemistry, *Rajarshi Shahu Mahavidyalaya, Latur* (Autonomous)
2024-present	Member, Board of Studies in Chemistry, *Central University of Karnataka, Kalaburagi*
2022-2023	Member, Board of Studies in Chemistry, *MGM University, Aurangabad*
2021	Prof. Bhosale had been ***Nominated*** for prestigious Shanti Swarup Bhatnagar Prize, Govt. on India
2018, 2019, 2020, 2021	**Best researcher of the year** @Goa University for continuous four years, CDFAA Goa
2021	Dr. Bhosale has been selected on **Editorial Board** Member of *Scientific Reports*, Nature Publisher
2020	Dr. Bhosale has been elected as a **Fellow** of Maharashtra Academy of Science.
2020	Dr. Bhosale has been admitted as a **Life member** of the Association of Chemistry Teachers
2018	Awarded **Professor position** under UGC-Faculty Recharge Programme (UGC-FRP)

2018	Dr. Bhosale has been selected on **Editorial Board Sensors** (Chemical Sensors)
2017	PhD student Anuradha Singh received best PhD student award of 2017
2017	Dr. Bhosale has been selected on Editorial Advisor Board Member of *ChemistryOpen*
2017	PhD student Aaron Raynor received Endeavour Fellowship to work in Oxford University for 6 months
2016	Dr. Bhosale elected as a **Fellow of Royal Society** of Chemistry (FRSC)
2017	PhD student Sam Jackson received higher Degree by Research Publications Grant (HDRPG)
2016	Dr. Bhosale elected as a **Member** of Royal Australian Chemical Institute of Chemistry (MRACI)
2016	PhD student Anushri Rananware received best poster award in Royal Society of Chemistry 2016
2016	PhD student Anushri Rananware received best PhD student 2016 award
2015	PhD student Hemlata Patil received higher Degree by Research Publications Grant (HDRPG)
Jan 2011-Dec 2017	Australian Future Fellow: Dr. Bhosale awarded prestigious ARC-Future Fellowship (FT110100152) on the topic "The development of yoctowells on magnetic nanoparticles as both tiny chemical reactors and biological models". ($687K)
2015	Maxwell Eagle Endowment Award for Cancer Research $10K "Laminin 67 receptor targeted pH-responsive multifunctional nanodevices as prostate cancer theranostic probes"
2013, 2024, 2016	*RMIT* Faculty of Science Overseas Travel Grants $2K
Oct 3, 2012	Received RMIT University travel award to attend The Australian Academy of Science Early carrier research meeting) at Canberra; ($3K/-)
Aug 29, 2010	Dr. Bhosale was short listed for *European Young Chemist Award* in 2010, at Nuremburg, Germany
Aug 2010	Monash Faculty of Science Overseas Travel Grants ($2K)
Aug 2009	Monash Faculty of Science Overseas Travel Grants ($2K)
March 2008	Application for ARC Linkage (LE0882977) with Prof. Steven Langford – Enhanced NMR Research, Characterization and Analysis Facility with 9% contribution of grant $600K.
Jan 2008-Nov 2011	*Australian Postdoctoral Fellow:* Dr. Bhosale has successively completed an APD (*grant no. DP0878756)* "Construction and Use of Yoctowells as Vessels for Catalysis, Sensing and Artificial Photosynthesis"; ($414K AUD)
Jan 27, 2008	Dr. Bhosale won the young scientist award (under 35) in the International Conference on Drug Discovery and Nanotechnology held at Nanded India, Jan 2008

Mar 2005- Sept 2006	Received Roche Foundation Postdoctoral Fellowship to work with Professor Stefan Matile at University of Geneva, Switzerland (http://www.research-foundation.org/rrf/ *grants no. 324-2005*) (CHF145K, Swiss franc)
Jan 2002- Dec. 2004	PhD scholarship of Graduate program of H-bonding and H-transfer

Research student supervision

Year	**Name of Student**	**Degree**	**Theses Title**	**Completed/ current/submitted**
March 2026	Subhadra	PhD	Synthesis of small organic molecules for sensing applications	**Current** Central University of Karnataka
March 2026	Vivekanad Sathe	PhD	Synthesis of new small organic molecules for supramolecular applications	**Current** Central University of Karnataka
July 2021-present	Pooja Shreechippa	PhD	Synthesis of porphyrins and their supramolecular applications	**Current** Central University of Karnataka
Jan. 2020 2026	Vilas K. Gawade	PhD	Synthesis and characterisation of organic framework materials for gas adsorption and catalytic application	***PhD awarded*** February **2026** Central University of Karnataka
Jan. 2020-Nov. 2024	Harshad A. Mirgane	PhD	Synthesis and characterisation of organic molecules for optoelectronics applications	***PhD awarded*** February **2025** Central University of Karnataka
Sept. 2019-*Mar.* 2024	Kerba S. More	PhD	π-Conjugated coumarins: Synthesis, Properties, and Applications	***PhD awarded*** *March 2024* Goa University
Oct. 2018-2023	Vishal G More	PhD	Synthesis and application of small organic photoluminescent materials in supramolecular chemistry	***PhD awarded*** *March 2024* Goa University
Sept. 2019-*Nov.* 2023	Geeta A. Zalmi	PhD	Synthesis of small organic molecules and use them for selective chromogenic and fluorogenic ion sensing	***PhD awarded*** *Nov. 2023* Goa University
Oct. 2018-2023	Ratan Jadhav	PhD	Aggregation-induced Emission active functionalised aminoglycoside antibiotics and their application in molecular recognition, assembly and biological sciences	***PhD awarded*** *Nov. 2023* Goa University

Oct. 2018-*Nov. 2023*	Dinesh Nadimetla	PhD	Creating chiral supramolecular superstructures from small optically active organic molecules	***PhD awarded*** *Nov. 2023* Goa University
July 2013-2023	Gajanan Kadam	PhD	Donor-acceptor system for solar cell application	***PhD awarded North Maharashtra University, India***
Feb.2017-July 2021	Mahmood Aljabri	PhD	Design and synthesis of novel porphyrin and triangulene based organic molecules for self-assembly and solar cell applications	***PhD awarded*** July 2021 RMIT, Australia
Apr 2013-Aug 2015	Mrs. Melissa Kelson	PhD	Design, synthesis and applications of donor-acceptor systems for artificial photosynthesis and solar cells	***PhD awarded*** May 2016 RMIT, Australia
Apr 2013-Aug 2015	Mr. Aaron Raynor	PhD	Synthesis of novel small molecules for use in organic electronic photovoltaic devices	***PhD awarded*** July 2016 RMIT, Australia
Mar 2013-2017	Mr. Jackson Sam Leslie	PhD	Crystal engineering of MOF's and their physico-chemical behaviour	***PhD awarded*** Dec. 2017 RMIT, Australia
June 2015	Rahul Hungarge	PhD	Study towards Donor-Acceptor Artificial Photosystems	***PhD awarded*** July 2017 ***North Maharashtra University, India***
Mar 2015-2017	Ms. Anushri Rananaware	PhD	Synthesis of novel tetraphenylethylene, tetraphenylmethane and Spiro based derivatives and their applications in supramolecular chemistry	***PhD awarded*** Aug. 2017 RMIT, Australia
Apr 2015-2017	Mr. Duong Duc La	PhD	Synthesis of novel material for sensing and photocatalysis	***PhD awarded*** Dec. 2017 RMIT, Australia
Mar 2015-2017	Mrs. Anuradha	PhD	Synthesis of Aggregation Induced Emission based derivatives for their application in supramolecular chemistry	***PhD awarded*** Dec. 2017 RMIT, Australia
Mar 2013-Aug 2015	Ms. Hemlata Patil	PhD	Design, synthesis and applications of novel heterocycle for organic photovoltaic solar cells	***PhD awarded*** October 2015 RMIT, Australia
2016-2017	Mina Salimimarand	MS	Synthesis of superstructures of AIE active tetraphenylethylene through solvophobic controlled self-assembly	***Master degree by research Oct. 2017*** RMIT, Australia
Jan 2016-Dec 2016	Hughes William Joseph	Honours	Synthesis optically active compound for supramolecular applications	Honours ***Awarded***

				with HD & 12/2016
Jan 2016-Dec 2016	Lachlan Hayes	Honours	Synthesis of gels of donor-acceptor systems	Honours ***Awarded*** HD 12/2016
February 2017	Owen Skene	Honours	Synthesis and Characterization of a Tetraphenylethene-Based Porphyrin	Honours ***Awarded*** Dec 2017
February 2017	Miron Boguslavsky	Honours	Synthesis and characterization of a Tetraphenylethylene derivative for use in Perovskite solar cells	Honours ***Awarded*** Aug.2017
Postdoc's/Undergraduate/visitors				
August 2024	Dr. Salman Shaikh	Postdoc	Synthesis of DPP based materials for sensing and other applications	***CUK, Kalaburagi***
Oct. 2018-present	Dr. Asha Jangale	DS Kothari postdoc	Multifunctional material for solar cell applications	***Goa University***
Oct. 2016-Nov. 2017	Dr. Jayprakash Patwari	Visiting fellow	Multimodal Vanadium nanoparticles for targeted Cancer imaging and therapy	***Completed*** Research Fellow
July 2015-Dec. 2015	Miss. Parvathy Nakshatra	Visiting fellow	Multimodal Vanadium nanoparticles for targeted Cancer imaging and therapy	***Completed*** Endeavour Research Fellowship
2015	1. Hughes William Joseph 2. Popovic Nedeljko 3. Lachlan Hayes 4. Kerk Pern Seo	Four 3rd year students	All these students working on aspects of synthesis and characterisation of organic molecules with possible applications in sensing and catalysis	***Completed***
2015	Miss. Tanya Paige	ONPS1664	Synthesis of reversible pH sensor	***Completed***
2014	1. Christine Minh Nguyen 2. Michael Lam 3. Amel Zoghaib	Three 3rd year	All these students working on aspects of synthesis and characterisation of organic molecules with possible applications in sensing and catalysis	***Completed***
2012 2013	Dr. M. Adsul & Dr. B. Alford	Postdoc	Two postdoctoral fellows trained in Dr. Bhosale's laboratory	***Completed***
Monash University (2006-2011)				
2010	Mr. D. Buckland	Honours	Synthesis of core-substituted naphthalene diimide for sensing applications	***Completed***

2009	Mr. D. Krsta	Honours	Study towards trimeric porphyrin-fullerene-porphyrin stacks within Yoctoliter gaps	***Completed***
2011	Dr. M. A. HUSSAIN	Postdoc	fellows training in Dr. Bhosale's laboratory	**Endeavour Research** ***Completed***

Area of Research Interest: *Nanomaterials, supramolecular chemistry, sensors, bioorganic chemistry, artificial photosynthesis and organic solar cells.* Here my ultimate goal is to constructing macromolecular and supramolecular molecular nano-objects architectures with precise arrangement of multiple chromophores into functional nanosized structure utilising dyes such as porphyrin, naphthalene diimides *via* bottom-up approach for advanced optoelectronic devices. Such synthesis approaches of "bottom-up" materials based on supramolecular chemistry can provide a solution to the size limitations of "top-down" approaches which are currently used e.g., in photolithography. Therefore, supramolecular architectures can also be used to assemble active components to mimic nature and use organic compounds in Solar cell applications.

Demonstrated ability or strong potential to secure research funding

1) Council of Scientific & Industrial Research CSIR, entitled AIE Active Functional Aminoglycoside Antibiotics: Design, Synthesis, Self-assembly, Molecular Recognition andBiological Applications, Grant No. 02(0357)19/EMR-II, Total grant.: 25,00,000/-
2) *Australian Research Council-Future Fellow: received a Future Fellowship for the four years* **(2011- 2016)** *with chief investigator* (100% contribution) with an amount. Project Title: The development of yoctowells on magnetic nanoparticles as both tiny chemical reactors and biological models, Grant No. FT110100152.
3) Maxwell Eagle Endowment Award (**2015-2016**) for Cancer Research $10K **AUD** "Laminin 67 receptor targeted pH-responsive multifunctional nanodevices as prostate cancer theranostic probes", RMIT-2017-336.
4) *Australian Research Council-Australian Postdoctoral Fellow:* I was successful completed a research project **(Jan. 2008-Dec. 2011** with amount **$**414,986 **AUD)** with chief investigators (100% contribution). Title: "Construction and Use of Yoctowell as Vessels for Catalysis, Sensing and Artificial Photosynthesis" grant no. DP0878756 as ***top three A+ rank***s grant.
5) Application for ARC Linkage (LE0882977) in March 2008 with Steven Langford - Enhanced NMR Research, Characterization and Analysis Facility with 9% contribution of grant $600K).
6) Applications for external research grants at University of Geneva [Rouch Research Foundation grant no. 324-2005 with amount CHF **145K** (http://www.research-foundation.org/rrf/)] chief investigators (100% contribution). To work as an independent postdoctoral research scholar to work with Professor Stefan Matile.

Teaching and Training Activities

Aim is to give clear structured and lively lectures that awake the interest of students in the subject. Not all students in a first or second year undergraduate organic class are going to pursue organic chemistry further, however, irrespective of grades and exams I want students to leave with a sound basic *understanding* of Organic Chemistry. I personally do not believe in "easy learning" by over-simplifying abstract matters; as for a language, one must learn the grammar in order to speak it correctly. This is particularly true for

organic chemistry where one needs to learn nomenclature, reactions name and mechanisms. It is important to me that students appreciate the logic of organic chemistry rather than see bulk information.

2023-Present (Central University of Karnataka: CUK): Since joining CUK, I have taught various courses, which including Heterocyclic Chemistry, Spectroscopy and Laboratory Course of MSc-I students and also demonstration for research

2018-2023 (Goa University): Since joining Goa University, I have taught various courses, which including OCO-502 (Reaction Mechanism), OCO-505 (Heterocyclic Chemistry) and have developed new course OCO-509 (Chemistry of Life)

2012-2017 (RMIT University): During RMIT stay, I have been demonstrating analytical 1st year: **CHEM1257** (**2012-2017**) and theory lectures of 3rd year **CHEM1067** (Retrosynthesis and spectroscopy: **2012-20176**) **CHEM1068** (Heterocyclic Chemistry: **2015**), **CHEM1242** (Synthetic Organic Chemistry: **2012-2017**)

Course coordinator *of* CHEM1067 ***(2015-2017)***

2006-2011 (Monash University): The particular subjects that I have taught during are listed below:

Lectures: BMS1011 (Biomedical Science: 2007), BMC3021 (Chemistry of Life: /2007 & 2008), CHM3972 (Sustainable Chemistry 2007 & 2008); BND1022/CHM2962 (Food Chemistry Lec. 2008-2011), CHM2942 (Synthetic Organic Chemistry: Lec. 2007-2011). VPS3011 (Reterosynthetic Analysis, Lec. 2009-2011); VPS2121 (Advance Organic Chemistry)

Laboratory demonstration: BMC3021: Lab 5x4 h for 2007&2008; CHM3972: Lab 3 x 4h for 2007-2011; BMC2021: Lab 5 x 4h, 2007 and 2008; VSP-2121: Lab 5x4h, 2009 and 2010; CHM 2962: Lab 5x4h for 2007-2011; VPS3011: Lab 5x4 h for 2009-2011; VPS 2121: Lab 5x4 hours, 2009-2011); CHM2942: Lab 3 x4 h for 2007-2011; CHM2962/BND1022: Lab 6x3 h for 2008-2011.

Other teaching activities:

(i) *Course coordinator of organizing tutorials of BMS1011 (12 groups) 2007.*

(ii) *Field trip organization of food science CHM2962 for two years (2009 and 2010).*

(iii) *Joint course coordinator of CHM2962/BND1011 for two years (2010 & 2011).*

(iv) *Jan 2002-Dec 2000:* Trained graduate and diploma students in the preparation of diamido bolaamphiphiles porphyrins and supramolecular systems.

Leadership

Academic Audit: Prof. Bhosale work as a chair person for academic audit 2022-2023, 2023-2024, 2024-2025, PSGR Krishnmmal College for Women, Coimbatore, Tamil Nadu

Editorial

i. *Editorial Board Member of* ***Scientific Reports (Nature, NPG Publisher)***
ii. *Editorial Board Member of* ***ChemistryOpen (Wiley-VCH)***
iii. Editorial Advisor Board of ***Aggregates (Wiley-VCH)***

iv. *Editorial Board* ***Sensors*** (Chemical Sensors; **MDPI Publisher**)
v. Editorial Advisory Board of ***Sci.***; **MDPI Publisher**
vi. Section Editor of Colorants in Molecules (**MDPI Publisher**)

Special Issues and Collections in MDPI journals:

1. *Special Issue* in *Molecules*: Functional Naphthalene Diimides: Synthesis and Applications
2. *Special Issue* in *Nanomaterials*: Porphyrin Based Nanomaterials for the Development of Nanotechnological Tool
3. *Special Issue* in *Sensors*: Fluorescent Probes and Sensors
4. *Special Issue* in *Chemosensors*: Supramolecular Chemical Sensors
5. *Special Issue* in *Sensors*: Focused on Organic Luminescent Materials and Molecular Recognition
6. *Special Issue in Symmetry*: Nanocatalysis and Symmetry in Chemistry

- Dr. Bhosale examines PhD theses from National and International Universities
- Dr. Bhosale also effective working as a reviewer for journal articles and reviews including: ACS, RSC, Wiley-VCH such as *JACS, Chem.Commun., Chem.Soc.Rev., New.J.Chem., Org.Biomol.Chem., Org.Lett., J.Org.Chem., J.Mat.Chem., Aus.J.Chem., Chem. Asian. J., J. Photobio and photochem, Synlett, Lett. Org.Chem., J Chinese Chemical Letters, Journal of Receptor, Ligand and ChannelResearch, J. Current Chemical Research, Phys. Chem. Chem. Phys and Macromolecules etc.*

Research Collaboration

Dr. Bhosale realized early on in his career that collaboration is required to undertake quality multidisciplinary research. Over the past years Dr. Bhosale has established strong collaborations with many distinguished researchers, including physicians, theoreticians and experimental scientists, from all over the world. Among them including Prof. Joe Shapter (Adelaide), Prof. Dr. R. Jayasree (Trivandrum, India), Prof. Eric Vauthe (Geneva), Prof. Ron Steer (Canada), Dr. Stephen J. Loeb (Canada), Prof. Mogens Nielsen (University of Copenhagen), Prof. Ken Ghiggino (Melbourne Univeristy), Prof. Beate Roeder (HU University, Berlin), Prof. Frank Würthner (Wurzburg, Germany) Prof. Stefan Matile (Geneva, Switzerland), Dr. T. Bell (Monash University), Prof. K. P. Ghiggino (The University of Melbourne), Prof. S. Decurtins and Dr. Shi-Xia Liu (University of Berne, Switzerland), Dr. Hackbarth (HU University, Germany), Prof. S. Langford (Monash) and Dr. S. Bhosale (IICT-Hyderabad, India), Prof. Y. Morita and Prof. S. Fukuzumi (Tokyo, Japan) to name few.

List of Publications

(i) Book

1 **Bhosale, S. V.*** (Editor) Book: **Fluorescent Probes and Sensors** ISBN 978-3-03842-927-2 (Pbk); ISBN 978-3-03842-928-9 (PDF), May **2018** Pages: VIII, 306, https://doi.org/10.3390/books978-3-03842-928-9, https://www.mdpi.com/books/pdfview/book/620

(ii) Scholarly book chapters

19. **G. A.** Zalmi, H. A. Mirgane, N. Gosawi, S. V. Bhosale, "Non-Invasive Glucose Monitoring: Innovative Optical Techniques Revolutionizing Diabetes Care" from your book "Optical Biosensors" **2026**, *accepted*
18. H. A. Mirgane, M. R. Biradar, S. V. Bhosale, S. V. Bhosale, Wearable and portable electronic applications Sustainable Materials in Supercapacitors, **2026**, 499-522 in the book **Sustainable Materials in Supercapacitors**: New Developments in Green Energy Storage Woodhead Publishing Series in Electronic and Optical Materials
17. V. B Patil, D. D Ugale, S. V Bhosale, S. V. Bhosale Aggregation-induced Emission Materials for Amino Acid, Peptide and Protein Sensing; in the book Aggregation-induced Emission Luminogens for Sensing Applications, Edited **by** Suban K Sahoo, Volume 31, **2025,** DOI**:** https://doi.org/10.1039/9781837676453-00102
16. H. A. Mirgane, M. R. Biradar, S. V.Bhosale, S. V.Bhosale, **Chapter 14** - Wearable and portable electronic applications, **2025**, pp 499-522 in Sustainable Materials in Supercapacitors, New Developments in Green Energy Storage. https://doi.org/10.1016/B978-0-443-23625-9.00014-2
15. K. S. More, H. A. Mirgane, V. K. Gawade, D. N. Nadimetla, P. V. Shreechippa, S. V.* Bhosale, **Editors: P. Morajkar and M. Naik**, Recent advances in supramolecular organic nanostructures for drug delivery applications, Advances in Nano and Biochemistry, Environmental and Biomedical Applications, Progress in Biochemistry and Biotechnology, **2023**, 487-511. https://doi.org/10.1016/B978-0-323-95253-8.00018-8
14. H. A. Mirgane, D. N. Nadimetla, D. J. Garole S. V.* Bhosale, **Editors:** Sagar Delekar**,"** "Metal oxide nanomaterials for organic photovoltaic applications Advances in Metal Oxides and Their Composites for **Emerging Applications Metal Oxides,** 2022**, 239-261.** https://doi.org/10.1016/B978-0-323-85705-5.00007-5
13. M. R. Biradar, N. M. Gosavi, L. K. Nikam, S. V. Bhosale, S. V. Bhosale, Recent development in chiral self-assembly of porphyrin and protoporphyrin IX molecular Architectures Design, Principle and Application of Self-Assembled Nanobiomaterials in Biology and Medicine: Chapter-4, **2022**, Pages 57-79 https://doi.org/10.1016/B978-0-323-90984-6.00002-7

12. A. G. Zalmi, S. V.* Bhosale, **Editors: R. S. Bhosale and V. Singh,** "Aggregation induced emission (AIE) molecules for measurement of intracellular temperature, pH, and viscosity sensing" Progress in Molecular Biology and Translational Science, *Advances in Aggregation Induced Emission Materials in Biosensing and Imaging for Biomedical Applications-Part A* , **2021**, 184, 11-60, https://doi.org/10.1016/bs.pmbts.2021.07.004
11. A. V. Salkar, S. V. Bhosale, P. P. Morajkar, **Editors: Sagar Delekar,** "Nanostructured WO_{3-x} based advanced supercapacitors for sustainable energy applications" **Advances in Metal Oxides and Their Composites for Emerging Applications Metal Oxides, 2022,** 213-238.
10. V. G. More, R. W. Jadhav, M. Al Kobaisi, L. A. Jones, S. V.* Bhosale, **Editors: Ben Z. Tang, "**Development of a New Class of AIEgens: Tetraarylpyrrolo [3,2- *b*] Pyrroles (TAPPs**",** Handbook of Aggregation-Induced Emission, **2022**, 221-253.
9. R. Bhosale, M. Aljabri, D. La, S. Bhosale, L. Jones and S. Bhosale; Tetraphenylethene Derivatives: A Promising Class of AIE Luminogens—Synthesis, Properties, and Applications, Special issue: Principles and Applications of Aggregation-Induced Emission: https://www..com/us/book/9783319990361 (ISBN 978-3-319-99037-8),.
8. S. V. Bhosale, D. D. La, Nanoscale porphyrin superstructures: properties, self-assembly and photocatalytic applications **Edited by** P John Thomas; Neerish Revaprasadu, Nanosceince, 2018, **Page range:** 57 – 85, https://doi.org/10.1039/9781788013871-00057

7 D. D. La; Anuradha; A. Gupta; M. Al Kobaisi; A. Rananaware; S. V. Bhosale, Supramolecular chemistry of AIE-active tetraphenylethylene Luminophores, **2017**, 75-107. Book Chapter, **Edited by P John Thomas; Neerish Revaprasadu**, http://pubs.rsc.org/en/content/ebook/978-1- 78262-159-1

6 S. V.* Bhosale, B. Wilman, S. J. Langford, Yoctoliter-Sized Vessels as a Receptors" book chapter, *"Molecular at work"*, **2012**, Ed. Bruno Pignataro. ISBN: 978-3-527-33093-5 April **2012** 410 pages

5 S. V.* Bhosale, B. Wilman, S. J. Langford, Nanostructured Soft Material of Core-Substituted Naphthalene Diimides, *"Molecular at work"* (**Invited**), **2012**, Ed. Bruno Pignataro. ISBN: 978-3-527-33093-5 April 2012 410 pages, Wiley.

4 S. J. Langford, M. J. Latter, B. E. Wilman, S. V. Bhosale, Biologically Derived Supramolecular Materials, *Supramolecular Chemistry: From Molecules to Nanomaterials (Ed.* J. W. Steed, P. A. Gale) Wiley VCH, **2012**, pp 3467. ISBN: 978-0-470-74640-0, February **2012**, 401 pages.

3 S. V.* Bhosale, Naphthalenediimides as Photoactive and Electroactive Components in Supramolecular Chemistry, in Tomorrow's Chemistry Today: Concepts in Nanoscience, Organic Materials and Environmental Chemistry, Second Edition (Ed. B. Pignataro), Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany, **2008**, doi: 10.1002/9783527628902.ch11, ISBN: 978-3-527-32623-5.

2 J.-H. Fuhrhop, T. Wang, S. V. Bhosale, S. Bhosale, M. Lauer, Aqueous Gels Made of Chiral Lipid and Porphyrin-Amphiphiles, *Molecular Gels* **2006**, 649-664. **ISBN** 9781402033520.

1 S. V. Bhosale, T. Wang. S. Bhosale, J.-H. Fuhrhop, Photochemistry of Collodal Particles, Encyclopedia of Photochemistry, Dekker, New York, DOI: 10-1081/EESCS-120023358, Dec. **2004**, pp. 1-19. ISBN: 1-4665-9045-9; eISBN: 1-4665-9061-0.

(iii) Refereed journal articles (334 research articles)

Sr. No.	**Title**	**Authors**	***Publication detail* SCImago Journal Rank**	**Citations**	**Impact factor**
Publication since joining as an UGC-FRP Professor January 2018-present (No. 164)					
Publications at CUK UGC-FRP Professor March 2023-present (No. 71)					
334	Synthesis and Photophysical Properties of Aromatic L-Amino Acids Functionalized Tricyanofuran (TCF) Derivatives	Gayatri Jagadale, Dnyaneshwar D Ugale, Sudhir D Jagadale, Dinesh N Nadimetla, Avinash L Puyad, Shailaja B Jadhav, Sheshanath V Bhosale, Sidhanath Vishwanath Bhosale	*Indian Journal of Chemistry* (IJC) **2026**, 65 368-382		0.5

333	Advances in Aggregation-Induced Emission (AIE) Luminogens, Fluorescent Sensors for Ions, Biomolecules and Explosives Detection	Pooja Vitthal Shreechippa, Dinesh Nagnath Nadimetla, Dinesh N Sawant, Sheshanath V Bhosale	*Chemistry–An Asian Journal* **2026**,21, e70779		3.2
332	Redox-Active Bolaamphiphile Pillared Graphene Oxide for High Performance Flexible Symmetric Supercapacitors	Dnyaneshwar D Ugale, Sidhanath V Bhosale, Sheshanath V Bhosale	*ACS Applied Energy Materials*, **2026**, 2026, 9, 8, 5304–5319		
331	Dopamine Functionalized Core-Substituted Naphthalene-diimide Highly Selective Fluoride Sensor	H. A. Mirgane, K. S. More, D. D. Ugale, G. G. Kadam, A. L. Puyad, M. R. Biradar S. V. Bhosale, S. V. Bhosale	*Journal of Molecular Structure*, **2026**, 145237 ***Q2***		4.0
330	Benzothiazole-Conjugated Perylene Diimide/Functionalized Reduced Graphene Oxide Composite Electrode for Flexible Supercapacitors	S. D. Jagadale, S. V. Bhosale, S. V. Bhosale	*Materials Chemistry and Physics*, **2026**, 132170 ***Q2***		4.7
329	Unveiling the Effect of Varying Chain Length and Wettability on the Charge-Storage Performance in Donor–Acceptor–Donor-Type Electrode-Based Pseudocapacitors	D. D. Ugale, S. V. Bhosale, S. V. Bhosale	*J. Phys. Chem. C* **2026**, 130, 6, 2107–2118 ***Q2***		3.2

328	Oligophenylvinylene-derived fluorescent sensor: Cyanide recognition and its anti-inflammatory, antidiabetic, and antioxidant activities	Ratan W. Jadhav, Pritesh P. Khobrekar, Sasha Viegs, DeliciaA. Barretto, Deepika Maliwal, Shanti N. Dessai, Raghuvir R.S. Pissurlenkar, Sandesh T. Bugde, Sheshanath V. Bhosale	*Journal of Molecular Structure* **2026**, *1350*, 144136 SJR 2024: **0.628** ***Q2***		4.7
327	High performance symmetric pseudo capacitors based on donor-acceptor-acceptor molecular structure embedded covalent organic framework	Sudhir D Jagadale, Sidhanath V Bhosale, Sheshanath V Bhosale	*Journal of Energy Storage* **2025,** *136,* 118257 SJR 2024: **1.760** ***Q1***		9.8
326	Porphyrin-based carbon dots as fluorescence probe for sensing of Fe^{3+} ion and S^{2-} anion in aqueous solution	Pritesh P Khobrekar, Vilas K Gawade, Ratan W Jadhav, Sandesh T Bugde, Sheshanath V Bhosale	*Journal of Dispersion Science and Technology*, **2025**, *46*, 2351-2361 SJR 2024: **410** ***Q3***	7	1.9
325	Unveiling donor-acceptor-donor organic electrode materials for fabrication of an efficient coin cell supercapacitor	D. Ugale, S. V. Bhosale, Sidhanath; S. V. Bhosale.	*ACS Applied Energy Materials* **2025**, *8*, 14725–14740 SJR 2024: **1.378** ***Q1***	1	6.4
324	High-performance flexible supercapacitor device based on catechol	S. D. Jagadale, S. V. Bhosale, SV Bhosale	*Journal of Power Sources*	1	7.9

	functionalized Azo-anthraquinone		**2025**, *647*, 237338 SJR 2024: **1.784** ***Q1***		
323	Unveiling the Pyridine Functionalized Dicyanostilbene/Reduced Graphene Oxide Electrode Materials for High Performance Symmetric Supercapacitors	S. D. Jagadale, S. V. Bhosale, S. V. Bhosale	*Chem. Asian J.* **2025**, 20, e00125 SJR 2024: **0.751** ***Q2***	2	3.2
322	Porphyrin-MoS2 hybrid nanostructure: a self-assembled photocatalyst for enhanced organic dye degradation	D. D. La, D. N. Vu, M. Tonezzer, S. V. Bhosale, D. Van Lai, S. S. Kim, D. D. Nguyen	*Surfaces and Interfaces*, **2025**, 107143 SJR 2024: **1.036** ***Q1***	2	6.3
321	Advancements in supercapacitors: breaking barriers and enabling amazing applications	S.V. Bhosale, S.V. Bhosale	*Chemical Science*, **2025**, *16*, 10159–10227 SJR 2024: 2**.138** ***Q1***	9	7.4
320	Carbazole functionalized core-substituted naphthalene diimide as organic electrode materials ... supercapacitor applications	SD Ambore, AL Puyad, SV Bhosale, SV Bhosale	*Journal of Energy Storage* **2025**, *123*, 116705 SJR 2024: **1.760** ***Q1***	3	9.8
319	An Aggregation Induced Emission based Fluorescence Turn-On Sensor... Dextran Sulfate in Aqueous Medium and Biological Matrix	SA Prasad, HA Mirgane, SY Garge, SV Bhosale, PK Singh	*Sensors and Actuators B: Chemical*, **2025**, 138157		7.7

			SJR 2024: **1.509** ***Q1***		
318	Solvent-Induced Amplification of Chiral Superstructures of Carbazole Porphyrins in Dynamic Supramolecular Aggregates **Highlighted as a Front Cover**	PV Shreechippa, DN Nadimetla, AL Puyad, AB Rode, SV Bhosale	*Eur. J.Org. Chem.* **2025**, *28*, e202401181 SJR 2024: **0.558** ***Q2***		3.261
317	Citric acid functionalized neomycin carbon dots for cytotoxicity and sensing application	PP Khobrekar, GA Zalmi, AP Raiturker, RW Jadhav, A Ganguly, A D'Costa	*Journal of Molecular Structure* **2025**, *1323*, 140769 SJR 2024: **0.628** ***Q2***	10	4.0
316	Barbituric Acid Functionalized Naphthalene Diimde: Design, Synthesis and Fabrication of Self-Assembled Nanostructures	SS Birajdar, DN Nadimetla, PK Singh, M Al Kobaisi, MR Biradar S. V Bhosale ...	*Journal of the Indian Chemical Society*, **2025**, 101755 SJR 2024: **0.473** ***Q2***		0.456
315	Targeting Two-Tetrad RNA G-Quadruplex in the SARS-CoV-2 RNA Genome Using Tetraphenylethene Derivatives for Antiviral Therapy	P. Gupta, R. M Khadake, O. Ningthemmani Singh, H. A Mirgane, D. Gupta, S. V Bhosale, S. Vrati, M. Surjit, A. B Rode	*ACS Infect. Dis.* **2025**, *11*, 784–795 SJR 2024: **1.035** ***Q1***	6	4.1

314	Supramolecular nanoarchitectonics of oligo(p-phenylene vinylene) for nitroaromatic detection	V. K. Gawade, R. W. Jadhav, P. K. Singh[e], A. L. Puyad, S.V. Bho sale	*Journal of Molecular Structure,* **2025**, *1325*, 141042 SJR 2024: **0.628** ***Q2***		4.0
313	Aggregation induced emission based … TPE for visualization of latent fingerprints and …	R Rapolu, D. I Bhusanur, A. L Puyad, S. V Bhosale, S. V Bhosale	*Journal of Molecular Structure*, **2025**, *1334*, 141937 141937 SJR 2024: **0.628** ***Q2***		4.0
312	Visible-light-induced aerobic C-3 thiocyanation of indoles using porphyrin as photoredox catalyst	P.P. Khobrekar, P. V. Shreechippa, R. R. Gawas, R. W. Jadhav, V. R. Chari, S. V. Bhosale, S.T. Bugde	Syn. Commu. **2025,** *55***,** 596-607 SJR 2024: **0.332** ***Q3***		1.8
311	Synthesis of a redox-active pyrene-FLFL-dopamine… Self-assembly … pH leading to microfibrous formation	SS Birajdar, K More, PK Singh, AL Puyad, MA Kobaisi, SV Bhosale & S. V. Bhosale	*Indian Journal of Chemistry-(IJC)* **2025**, *64*, 98-105 SJR 2024: **0.166** ***Q3***		0.456
310	Advanced AIE Materials for Environmental Monitoring: Selective Sensing of Thorium(IV) in Aquatic Systems	Madhusudan Ghosh, Sachin S Kadlag, Sheshanath V Bhosale, Sidhanath V Bhosale, Kallola K	*ACS Appl. Mater. Interfaces* **20 24**, *16*, 57004–57016		9.5 (2022)

		Swain, Ayan Ghosh, Prabhat K Singh	SJR 2024: **1.912** ***Q1***		
309	Y-Shaped Acceptor-π-Donor-π-Acceptor Configured Anthraquinone-Tethered Phenothiazine … High-Performance Organic Pseudocapacitors	Sumit D. Ambore, Sidhanath V. Bhosale, SheshanathV. Bhosale	*Chem. Asian J.* **2024,** e202400691 https://doi.org/10.1002/asia.202400691 SJR 2024: **0.751** ***Q2***		4.83
308	AIE-Based & Organic Luminescent Materials: Nanoarchitectonics and Advanced Applications	Vilas K. Gawade, Ratan W. Jadhav, Sheshanath V. Bhosale	*Chem. Asian J.* **2024,** *19***,** e202301046 https://doi.org/10.1002/asia.202400682 SJR 2024: **0.751** ***Q2***		4.83
307	Synthesis, Photophysical Properties and Self-Assembly of a Tetraphenylethylene-Naphthalene Diimide Donor-Acceptor Molecule	Dnyaneshwar I Bhusanur, Kerba S More, Mohammad Al Kobaisi, Prabhat K Singh, Sidhanath V Bhosale, Sheshanath V Bhosale	*Chem. Asian J.* **2024,** 19, e202301046 SJR 2024: **0.751** ***Q2***		4.83
306	Iodine-DMSO Catalyzed β-carboline Derivative Chemoselective Fluorescent Molecule for Detection of Fluoride and Cyanide Anion	Nilesh M. Gosavi, Geeta A. Zalmi, Sunil V. Gaikwad, Salman A L Shaikh, Milind. V. Gaikwad, Latesh K. Nikam, Sheshanath V Bhosale	*ChemistrySelect*, **2024**, *9*, e202404662 SJR 2024: **0.366** ***Q3***		2.1
305	A novel benzoquinone-azo linked polymer-based active electrode	SD Jagadale, SV Bhosale, SV Bhosale	*Journal of Applied Polymer*	2	3.0

	material for high-performance symmetric pseudocapacitors		*Science* **2024**, *141* (43), e56140 SJR 2024: **0.572** ***Q2***		
304	Synthesis and evaluation of a novel series of substituted thiazolo[4,5-e]indazol-2-amine derivatives as potential anticancer agents: In vitro cell culture analysis	A.S Sawant, S.S Kamble, S.V Gaikwad, S.V Hese, S. S Sawant, R. V Pinjari, S. Bhosale, R.N Gacche	*Chemistry & Biology Interface*, **2024**, *14*, 95-117 **Not Listed SCImago**		3.0
303	Aggregation induced emissive pyrimido fused tetraphenylethene benzothiazole probe for sensitive and selective detection of Fe^{3+} ions	D. I Bhusanur, H. A Mirgane, P. K Singh, M. Al Kobaisi, S. V Bhosale, S. V. Bhosale	Indian Journal of Chemistry (IJC), **2024**, 63, 959-972 SJR 2024: **0.166** ***Q3***		0.412
302	Electrostatically Engineered Tetraphenylethylene-Based Fluorescence Sensor for Protamine and Trypsin: Leveraging Aggregation-Induced Emission for Enhanced Sensitivity and Selectivity	A. Upadhaya, H. Mirgane; S. Pandey, V. Patil, S. V. Bhosale, Sheshanath; P. Singh	*Langmuir* **2024** *40*, 19357-19369 https://doi.org/10.1021/acs.langmuir.4c01315 SJR 2024: **0.763** ***Q1***		3.7
301	Expanding the scope of self-assembled supramolecular biosensors: a highly selective and sensitive enzyme-responsive AIE-based fluorescent	J. Kaur, H.A Mirgane, V.S Patil, G.M Ahlawat, S. V Bhosale, P. K Singh	*J Mater Chem B.* **2024**, *12 (15)*, 3786-3796. DOI	6	6.1

	biosensor for trypsin detection and …		https://doi.org/10.1039/D4TB00264D SJR 2024: **1.159** ***Q1***		
300	Porphyrin-based carbon dots as fluorescence probe for sensing of Fe^{3+} ion and S^{2-} anion in aqueous solution	P. P Khobrekar, V. K Gawade, R. W Jadhav, S. T Bugde, S. V Bhosale	*J DISPER SCI TECHNOL*.**2024**.1-11. https://doi.org/10.1080/01932691.2024.2392171 SJR 2024: **0.410** ***Q3***	1	2.2
299	Influence of functionalized diketopyrrolopyrrole sensitizer on the performance of CdS nanowire based-DSSC applications	S. AL Shaikh, A. C Mendhe, D.N Nadimetla, M.R Biradar, P. Vijayanand, A. L Puyad, B. R Sankapal, S. V Bhosale, S.V Bhosale	*Hybrid Advances*, **2024.** *6* 100213. https://doi.org/10.1016/j.hybadv.2024.100213 SJR 2024: **0.772** ***Q2***		
298	Crafting carbon quantum dots from acetone: dual purpose Fe^{3+} ion and pH sensing platform	LFB D'Souza, RW Jadhav, SV Bhosale, ST Bugde	*Emergent Materials*, **2024**. 1-12. https://doi.org/10.1007/s42247-024-00792-0 SJR 2024: **0.723** ***Q2***		4.8
297	Advancing energy storage with nitrogen containing biomaterials utilizing amino acid,	*MR Biradar, HA Mirgane, SV Bhosale, SV Bhosale*	*J. Energy Chem.*, **2024**, *99*, 253-276.	2	14.0

	peptide and protein: Current trends and future directions		https://doi.org/10.1016/j.jechem.2024.07.034 SJR 2024: **3.394** ***Q1***		
296	Nickel Metal–Organic Frameworks of Amino Acid Tyrosine-Functionalized Naphthalenediimide for Pseudocapacitor Applications	SD Jagadale, SV Bhosale, SV Bhosale	ACS Applied Energy Materials., **2024**. *2 (7),* 1922-1934. https://doi.org/10.1021/acsaenm.4c00313 SJR 2024: **1.738** ***Q1***		10.4
295	Synthesis of octa-benzothiazole functionalized tetraphenylethylene and their explosive sensing properties	D.I Bhusanur, P. K Singh, M.Al Kobaisi, S. V Bhosale, S.V Bhosale	*J. Photochem. Photobiol., A*, **2024**. *452,* 115580. https://doi.org/10.1016/j.jphotochem.2024.115580 SJR 2024: 0**.694** ***Q2***	2	4.1
294	New promising perylenediimide-naphthalenediimide-perylenediimide organic framework as an advanced electrode material for high performance pseudocapacitors	S. D Jagdale, C.RK Rao, S.V Bhosale, S. V Bhosale	*J. Energy Storage.* **2024**. *90*, 111874 https://doi.org/10.1016/j.est.2024.111874 SJR 2024: 1**.760** ***Q1***		8.9

293	Hydrothermal Synthesis of Tartaric Acid Functionalized Amino Acid CQD for Sensing of Hg^{2+} and Fe^{3+} Ions in Aqueous Medium	G. A Zalmi, P. Khobrekar, R.W Jadhav, R. R Naik, S. Sinari, S.T Bugde, S. V Bhosale	*ChemistrySelect*, **2024**. *9 18*, e202304825. https://doi.org/10.1002/slct.202304825 SJR 2024: **0.366** ***Q3***	3	2.1
292	Synthesis and photophysical properties of water soluble phosphonic acid functionalized naphthalimide dye	SV Bhosale, MR Biradar, VK Gawade, SV Bhosale	*Indian Journal of Chemistry (IJC)* **2024**. *63 (3)*, 269-274. https://doi.org/10.56042/ijc.v63i3.6419 SJR 2024: **0.166** ***Q3***		0.412
291	Dipyridine-Thiophene-Based Fluorescent Probe: Synthesis, Crystal Structure, and Selective Recognition of Cu^{2+} Ions	G.A Zalmi, D. N Nadimetla, A. L Puyad, K.U Narvekar, R.V Hangarge, S. V Bhosale	*ChemistrySelect*, **2024,** *9, 4*, e202303559. https://doi.org/10.1002/slct.202303559 SJR 2024: **0.366** ***Q3***	2	**2.1**
290	Porphyrin-based covalently bonded nanoarchitectonics of organic donor-acceptor system for artificial photosynthesis: A review	HA Mirgane, H. A.; More, K. S.; Veeranagaiah, N. S.; Bhosale S.V.	*Dyes Pigm.* **2024**, 112113. https://doi.org/10.1016/j.dyepig.2024.112113 SJR 2024: **0.680** ***Q2***	1	4.5

289	Aminobenzothiazole fused tetraphenylethene AIEgen: Ag^{+}, Hg^{2+} and Fe^{3+} sensing applications in aqueous medium	Bhusanur D.I.; Singh P.K.; Bhosale S.V.; Bhosale S.V.	*J. Photochem. Photobiol., A* **, 2024**, 115357 https://doi.org/10.1016/j.jphotochem.2023.115357 SJR 2024: 0.**694** ***Q2***	4	5.141
288	An azo functionalized anthraquinone as organic electrode materials… pseudocapacitors with excellent cycling stability	Jagdale S.D.; Rao C.R.K.; Bhosale S.V.; Bhosale S.V.	*J. Energy Storage*, **2024**, 110323 https://doi.org/10.1016/j.est.2023.110323 SJR 2024: **1.760** ***Q1***	6	9.4
287	An efficient organic supercapacitor based on four thiophene substituted naphthalene diimide unit	Ambore S.D.; Rao C.R.K.; Bhosale S.V.; Bhosale S.V.	*J. Electroanal. Chem.*, **2024**, *957, 15* https://doi.org/10.1016/j.jelechem.2024.118112 SJR 2024: 0.**760** ***Q1***	2	4.598
286	Synthesis, Photophysical Properties and Self-Assembly of a Tetraphenylethylene-Naphthalene Diimide Donor-Acceptor Molecule	Bhusanur D.I.; More K.S.; Kobaisi M. A, Singh P.K.; Bhosale S.V.; Bhosale S.V.	*Chem. Asian J.*, **2024**,19, e202301046 https://doi.org/10.1002/asia.202301046 SJR 2024: **0.751** ***Q2***	3	4.5

285	Fabrication of Mesoporous Materials Based on Supramolecular Self-Assembly of Guanosine Monophosphonate-Nickel Chloride (GMP-Ni) for High-Performance Hybrid Supercapacitors	Biradar M.R.; Kale A. M.; Rao C.R.K.; Kim B.C.; Bhosale S.V.; Bhosale S.V.	*ACS Appl. Mater. Interfaces.* **2024**, *16*, *5*, 5708–5724, https://doi.org/10.1021/acsami.3c11442 SJR 2024: **1.921** ***Q1***	3	9.5
284	A redox acceptor–acceptor nitro functionalized naphthalene diimide/rGO anode for sustainable lithium-ion batteries	Biradar M.R.; Kumar N.; Pathak P.K.; Bhosale S. V., Bhosale S. V.; and Salunkhe R. R	*Energy. Adv.*, **2024**, 3, *574* DOI: 10.1039/D3YA00561E SJR 2024: **0.924** ***Q2***	2	N/A
283	Benzothiazole functionalized diketopyrrolopyrrole photosensitizer for CdS nanowire based DSSC applications	S. AL. Shaikh, A. C. Mendhe, D. N. Nadimetla, M. R. Biradar, P. Vijayanand, A. L. Puyad, B. R Sankpal, S. V. Bhosale, **S. V. Bhosale***	*J. Photochem. Photobiol., A* **2024**, *447*, 115220 SJR 2024: 0**.694** ***Q2***	4	5.141
282	Unveiling a cutting-edge bi-ligand nickel metal-organic framework as an electrode material for symmetric supercapacitors	A. M. Kale, M. R. Biradar, W. J. Cho, C. Kaya, S. V. Bhosale, **S. V. Bhosale***, B. C. Kim	*J. Energy Storage* **2023**, *73*, 109123 SJR 2024: **1.760** ***Q1***	3	8.907
281	Bis-cyanostilbene bolaamphiphile conjugated with di-phosphonate functionality: Synthesis, self-assembly and live cell imaging	J. N. Malegaonkar, M. D. Aljabri, K. Bhamidipati, S. D Padghan, M. Al. Kobaisi, R. S. Bhosale, N. Puvvada, S. V. Bhosale, **S. V. Bhosale***	*Mater. Today Chem.***2023**, *34*, 101785 SJR 2024: **1.280** ***Q1***	2	7.613

280	A novel approach to supramolecular Aggregation-Induced emission using tetracationic tetraphenylethylene and sulfated β-Cyclodextrin	T. P. Shaima, H. A. Mirgane, A. H. Upadhaya, S. V. Bhosale, P. K Singh	*J. Photochem. Photobiol., A* **2023**, 115328 SJR 2024: 0.**694** ***Q2***	3	5.141
279	Synthesis and evaluation of phosphonato-triphenylamine fluorophore as a highly sensitive chemosensor for nitroaromatics	J. N. Malegaonkar, K. S More, Prabhat K Singh, D. I Bhusanur, A. L. Puyad, S. V. Bhosale, **S. V. Bhosale***	*J. Photochem. Photobiol., A*, **2023**, *445*, 115105 SJR 2024: 0.**694** ***Q2***		5.141
278	2-(3-cyano-4,5,5-trimethylfuran-2(5H)-ylidene)malononitrile functionalized diketopyrrolopyrrole: Synthesis and solar cell applications	S. A.L. Shaikh, A. C. Mendhe, D. N. Nadimetla, M. R. Biradar, P. Vijayanand, A. L. Puyad, B. R. Sankapal, S. V. Bhosale, **S. V. Bhosale***	*J. Mol. Struct.*, **2024** *1297*, 136954 SJR 2024: **0.628** ***Q2***	4	3.8
277	Molecular nanoarchitectonics of proton triggered tetraphenylethylene-based detector: colorimetric, reversible, and intracellular pH **Highlighted as a Front Cover**	H. A. Mirgane, K. S. More, A. Rode, **S. V. Bhosale***	*Anal. Methods, 2023,15, 3404-3410* SJR 2024: **0.478** ***Q2***	15	3
276	Diketopyrrolopyrrole-Coumarin Conjugates for Efficient Binary Organic Solar Cells	K. S. More, H. A. Mirgane, S. Shankar S, N. N. Bhuyan, A. Mishra, **S. V. Bhosale***, G. D. Shrama	*ACS Appl. Energy Mater.*, **2023**, *6*, 8857-8866 SJR 2024: **1.378** ***Q1***	3	6.4
275	AIE-Active 'Turn-On'Sensors for Highly	V. K. Gawade, R. W. Jadhav, P. K.	*ChemistrySelect*, **2023**, *8*, e202302474	1	2.30

	Selective Detection of Bovine Serum Albumin	Singh, **S. V. Bhosale***	SJR 2024: **0.366** ***Q3***		
274	Naphthalenediimide-based nanoarchitectonics for fluorescent chemosensor with highly selective and sensitive detection of cyanide ion	V. K. Gawade, R. W. Jadhav, V. Chari, R. Hangarge, **S. V. Bhosale***	*Anal. Methods* **2023**, *15*, 3727-3734 SJR 2024: **0.478** ***Q2***		3
273	2H-Pyran-2-one-Functionalized Diketopyrrolopyrrole Dye: Design, Synthesis, and Explosives Sensor **Highlighted as a Front Cover**	K. S. More, H. A. Mirgane, S. Shaikh, Vijayanand P., S. S Birajdar, A. L. Puyad, S. V. Bhosale, **S. V. Bhosale***	*J. Org. Chem.* **2023,** *89, 9,* 5917–5926 SJR 2024: **0. 737** ***Q2***	5	4.19
272	Tyrosine-dopamine conjugate head group functionalized bioinspired naphthalene diimide bolaamphiphile: Design, synthesis and efficient supercapacitor applications	S. D. Jagdale, Chepuri R K Rao, S. V. Bhosale, **S. V. Bhosale***	*J. Energy Storage*, **2023**, *66*, 107482 SJR 2024: **1.760** ***Q1***	11	8.90
271	Novel merocyanine-derived receptor: Synthesis, crystal structure and picric acid recognition, spectroscopic and theoretical study	D. I. Bhusanur, J. B. Nanubolu, P. K. Singh, A. L Puyad, S. V. Bhosale, **S. V. Bhosale***	*J. Mol. Struct* **2023**, *1284*, 135382 SJR 2024: **0.628** ***Q2***		3.84
270	Design and synthesis of phosphonate functionalized naphthalenediimide: Application to induce mitochondria mediated apoptosis in the human skin melanoma cells (SKMEL2)	K. R. Kharat, R. S. Bhosale, K. P. Nandre, M. R. Biradar, S. V. Bhosale, **S. V. Bhosale***	*Indian Journal of Chemistry* (IJC), **2023**, *62*, 506-512 SJR 2024: **0.166** ***Q3***		0.412

269	Efficient symmetric supercapacitors employing molecular engineered pyrazine functionalized perylene diimide electrode materials	SD Jagdale, CRK Rao, S. V. Bhosale, **S. V. Bhosale***	*Chemical Engineering Journal Advances* **2023**, *14*, 100499 SJR 2024: **1.211** ***Q1***		-
268	Sensitive turn-off detection of nitroaromatics using fluorescent tetraphenylethylene phosphonate derivative	J. N. Malegaonkar, M. Al. Kobaisi, P. K. Singh, S. V. Bhosale, **S. V. Bhosale***	*J. Photochem. Photobiol., A* **2023,** *438*, 114530 SJR 2024: 0**.694** ***Q2***		5.14
267	Supramolecular nanoarchitectonics with TPPS porphyrin as a fluorescent probe for detection of aminoglycoside antibiotics and their photocatalytic applications for the degradation of rhodamine B dye	R. W. Jadhav, D. D. La, C. Q. Nguyen, **S. V. Bhosale***	*J. Photochem. Photobiol., A* **2023**, *437*, 114436 SJR 2024: 0**.694** ***Q2***	2	5.14
266	Flame-Retardant 3D Covalent Organic Framework for High-Performance Symmetric Supercapacitors	M. R. Biradar, CRK Rao, S. V. Bhosale, **S. V. Bhosale***	*Energy & Fuels* **2023,** *37*, 4671-4681 SJR 2024: **1.124** ***Q1***		4.56
265	A Phenolic Schiff Based AIE-Active Quinoxaline-Based Receptor for Selective Sensing of Fluoride Ions	G. A. Zalmi, S. E. Jadhav, H. A. Mirgane, B. R. Madje, **S. V. Bhosale***	*ChemistrySelect* **2023,** *8 (5),* e202203380 SJR 2024: **0.366** ***Q3***		2.30

264	Tetraphenylethylene Based Fluorescent Chemosensor for the Selective Detection of Explosive Nitroaromatic Compounds	K. S. More, H. A. Mirgane, N. M. Gosavi, AL Puyad, **S. V. Bhosale***	*ChemistrySelect* **2023,** *8 (5),* e202204354 SJR 2024: **0.366** ***Q3***	1	2.30
263	Bio-inspired adenine-benzoquinone-adenine pillar grafted graphene oxide materials with excellent cycle stability for high energy and power density supercapacitor applications	M. R. Biradar, CRK Rao, S. V. Bhosale, **S. V. Bhosale***	*J. Energy Storage* **2023,** *58,* 106399 SJR 2024: **1.760** ***Q1***	2	8.90
262	Molecular Engineered A-D-A-D-A Organic Electrode System for Efficient Supercapacitor Applications	S. D. Jagdale, CRK Rao, S. V. Bhosale, S. V. Bhosale	*Mater. Adv.*, **2023**, *4,* 3061-3072 SJR 2024: **1.115** ***Q1***		5.36
261	Pyridine-Functionalized Naphthalene Diimide-Based Cross-Linked Polymer for Efficient Supercapacitor Applications	MR Biradar, CRK Rao, SV Bhosale, SV Bhosale	Energy & Fuels **2023**, *37*, 11332-11341 SJR 2024: **1.124** ***Q1***	5	4.56
Publications at Goa University UGC-FRP Professor March 2023-present (No. 93)					
260	Mimicking the Natural World with Nanoarchitectonics for Self-Assembled Superstructures	R. W. Jadhav, D. N. Nadimetla, V. K. Gawade, L. A. Jones, **S. V. Bhosale***	*The Chemical Record,* **2023,** *23,* e202200180 SJR 2024: **1.397** ***Q1***	2	6.93

259	Perylenediimide/Graphite Foil-Based Electrode Materials with Outstanding Cycling Stability for Symmetric Supercapacitor Device Architectures	M. R. Biradar, A. M. Kale, B. C. Kim, S. V. Bhosale, **S. V. Bhosale***	*Energy Technology* **2022**, *10*, 2200154 SJR 2024: **0.840** ***Q2***		3.63
258	A New 'Off–On' System Based on Core-Substituted Naphthalene Diimide with Dimethylamine for Reversible Acid–Base Sensing	V. G. More, D. N. Nadimetla, G. A. Zalmi, V. K. Gawade, R. W. Jadhav, Y. D. Mane, **S. V. Bhosale***	*ChemistryOpen* **2022** *11, 6,* e202200060 SJR 2024: **0.563** ***Q2***		2.63
257	Naphthalenediimide-Benzothiazole-Based Chemodosimeter for Selective and Sensitive Chromogenic for Cyanide Ion	V. G. More, D. N. Nadimetla, D. B. Shaikh, A. L. Puyad, S. V. Bhosale, **S. V. Bhosale***	*ChemistrySelect,* **2022**, *7 22* e202201537 SJR 2024: **0.366** ***Q3***		2.3
256	Aminoglycoside antibiotic kanamycin functionalized tetraphenylethylene molecular probe for highly selective detection of bovine serum albumin protein	R. W. Jadhav, S. M. Wagalgave, R. M. Khadake, A. B. Rode, S. V. Bhosale, **S. V. Bhosale***	*Sci Rep.*,**2022,** *12*, 11526 SJR 2024: **0.874** ***Q1***	3	4.96
255	Tetraphosphonic acid functionalized perylenediimide derivative: Synthesis and p H dependent photophysical properties	S. P. Goskulwad, S. V. Bhosale, **S. V. Bhosale***	*Indian Journal of Chemistry (IJC* **2022**,*7, 61* SJR 2024: **0.166** ***Q3***		0.49

254	Furan functionalized naphthalenediimide semiconductors with different N-alkyl chains for n-type organic thin-film transistor applications	S. S. Birajdar, B. Mirka, V. K. Gawade, A. L. Puyad, B. H. Lessard, S. V. Bhosale, **S. V. Bhosale***	*Dyes Pigm.* **2022**, *206*, 110603 SJR 2024: **0.680** ***Q2***	2	4.88
253	A minireview on diketopyrrolopyrrole chemistry: Historical perspective and recent developments	S. AL. Shaikh, S. S. Birajdar S. D. Ambore, A. L Puyad, P. Vijayanand, S. V. Bhosale, **S. V. Bhosale***	*Results in Chemistry* **2022**, *4*, 100473 SJR 2024: **0.605** ***Q2***	6	
252	Tetrapyridyl Functionalised Tetraphenylethylene AIEgen Highly Selective Chemosensor for Zinc Sulfate	H. A. Mirgane, K. S. More, **S. V. Bhosale***	*Sensors and Actuators Reports*, **2022**, 100105 SJR 2024: 1**.025** ***Q1***	3	
251	Donor-Acceptor-Donor π-conjugated material derived from merocyanine-diketopyrrolopyrrole: design, synthesis and photovoltaic applications	S. M. Wagalgave, M. Al Kobaisi, S. V. Bhosale, **S. V. Bhosale***	*Journal of Electroanalytical Chemistry*, **2022,** 116341 SJR 2024: 0**.760** ***Q1***	2	4.59
250	Synthesis of naphthalimide derivatives bearing benzothiazole and thiazole moieties: in vitro anticancer and in silico ADMET study	P. D. Jawale Patil, K. Bhamidipati, M. G. Damale, J. N Sangshetti, N. Puvvada, R. S. Bhosale, R. D. Ingle, R. P. Pawar, S. V. Bhosale, **S. V. Bhosale***	*Journal of Molecular Structure*, **2022**, 133173 SJR 2024: **0.628** ***Q2***	2	3.84

249	Synthesis, crystal structure and supramolecular self-assembly of tetraphenylethylene subunit appended isoindigo derivatives	D. I. Bhusanur, D. N. Nadimetla, S. S. Harmalkar, R. S. Bhosale, A. L. Puyad, **S. V. Bhosale***	*Journal of Molecular Structure,* **2022**, 132452 SJR 2024: **0.628** ***Q2***	1	3.84
248	Molecular phosphonic acid-tethered tetraphenylethene AIEgen based highly selective fluorescent turn-on sensor for neomycin	J. N. Malegaonkar, M. Al Kobaisi, K. S. More, S. V. Bhosale, **S. V. Bhosale***	*Dyes and Pigments* **2022**, *198*, 110042 SJR 2024: **0.680** ***Q2***	2	4.88
247	Recent Advances in Aggregation-Induced Emission Active Materials for Sensing of Biologically Important Molecules and Drug Delivery System	G. A Zalmi, R. W Jadhav, H.A Mirgane, **S. V. Bhosale***	*Molecules* **2022**, 27(1), *150.* *https://doi.org/10.3390/molecules27010150* SJR 2024: **0.865** ***Q1***	13	4.91
246	A brief review on synthesis, characterisation and analytical applications of nitrogen doped carbon dots	V. M. Naik, **S. V. Bhosale***, G. B. Kolekar	*Anal. Methods,* **2022**,*14*, 877-891 SJR 2024: **0.478** ***Q2***	17	3.53
245	Polyanionic Cyclodextrin-Induced Supramolecular Assembly of a Cationic Tetraphenylethylene Derivative with Aggregation-Induced Emission	J. Kaur, D. N. Nadimetla, **S. V. Bhosale***, P. K. Singh	*Journal of Physical Chemistry B* **2022**, *126 (5),* 1147-1155 SJR 2024: **0.742** ***Q1***	7	3.46

244	Pyrazine-based organic electrode material for high-performance supercapacitor applications	M. R. Biradar, A. V. Salkar, P. P. Morajkar, S. V. Bhosale, **S. V. Bhosale***	*Journal of Energy Storage*, **2022**, *48*, 103953 SJR 2024: **1.760** ***Q1***	6	8.9
243	A review on energy storage devices based on rylene imide dyes: Synthesis, applications and challenges	M. R Biradar, S. V. Bhosale, P. P. Morajakar, **S. V. Bhosale***	*Fuel*, **2022**, 122487 *https://doi.org/10.1016/j.fuel.2021.122487* SJR 2024: **1.614** ***Q1***	19	8.03
242	An efficient electron transport property of fullerene functionalized with tricyanovinyldihydro furan (TCF)	S. S. Birajdar, K. Bhardwaj, R. Kumar, M. Al Kobaisi, S. V. Bhosale, **S. V. Bhosale***	*Materials Research Bulletin*, **2022**, 111644 *https://doi.org/10.1016/j.materresbull.2021.111644* SJR 2024: **0.943** ***Q1***	2	5.6
241	A tetracationic aggregation induced emission-based probe for efficient and improved detection of Heparin	S. P. Pandey, P. Jha, D. N Nadimelta, **S. V. Bhosale**, P. K. Singh	*Sensors and Actuators B: Chemical*, **2022**, 131016 *https://doi.org/10.1016/j.snb.2021.131016* SJR 2024: **1.509** ***Q1***	8	9.22

240	A review on biological and medicinal significance of thiazoles	P. M Jadhav, S. Kantevari, A.B Tekale, **S. V. Bhosale***, R. P. Pawar, S. U. Tekale	*Phosphorus, Sulfur, and Silicon and the Related Elements* **2022,** *196 (10),* 879-895 *https://doi.org/10.1080/10426507.2021.1945601* SJR 2024: **0.264** ***Q4***	16	
239	pH-Controlled Supramolecular Self-Assembly of Naphthalenediimide Appended l-Alanine and Ethylenediamine Asymmetric Bolaamphiphile	D. B. Shaikh, M. D. Aljabri, D. N. Nadimetla, S. S. Birajdar, M. Al Kobaisi, R. S. Bhosale, F. Antolasic, S. V. Bhosale, **S. V. Bhosale***	*Helvetica Chimica Acta* **2021**, *104 (8),* e2100011 *https://doi.org/10.1002/hlca.202100011* SJR 2024: **0.491** ***Q2***		2.2
238	Synthesis of π-conjugated coumarins and their derivatives for supramolecular applications	K. S. More, **S. V. Bhosale***	*Nanoscience,* **2022,** 53-84 *https://doi.org/10.1039/9781839163791-00053*	1	
237	Aggregation-induced emission-based material for selective and sensitive recognition of cyanide anions in solution and biological assays	G. A. Zalmi, D. N. Nadimetla, P. Kotharkar, A. L. Puyad, M. Kowshik, **S. V. Bhosale***	*ACS Omega* **2021**, *6(26),* 16704-16713 *https://doi.org/10.1021/acsomega.0c06080* SJR 2024: **0.773** ***Q1***	16	4.13

236	The effect of TCNE and TCNQ Acceptor Units on Triphenylamine-Naphthalenediimide Push-Pull Chromophore Properties	P. S. Rao, S.Brixi, D. B Shaikh, M. Al Kobaisi, B. H Lessard, S. V. Bhosale, **S. V. Bhosale***	*Eur. J. Org. Chem.* **2021** *18*, 2615-2624 https://doi.org/10.1002/ejoc.202100198 SJR 2024: **0.558** ***Q2***	6	3.26
235	An efficient naphthalimide based receptor for selective detection of Hg2+ and P 2+ ions	Bhosale, S. V.; Wagalgave, S. M.; Birajdar, S. S.; Jawale, P. D.; Ingle, R. D.; Pawar, R. P.; Kobaisi, M. A.; **S. V. Bhosale***; Bhosale, R. S.	*Indian Journal of Chemistry-Section B (IJC-B)*, **2021**, *60 (10)*, 1353-1361 SJR 2024: **0.145** ***Q4***		0.592
234	Aggregation induced emission (AIE) molecules for measurement of intracellular temperature, pH, and viscosity sensing	Zalmi, G. A.; **S. V. Bhosale***	*Progress in molecular biology and translational science* **2021**, *184*, 11-60 SJR 2024: **0.133** ***Q4***		
233	Naphthalene diimides: perspectives and promise	**S. V. Bhosale***, Al Kobaisi, M.; Jadhav, R. W.; Morajkar, P. P.; Jones, L. A.; George, S.	*Chem. Soc. Rev.*, **2021**,*50*, 9845-9998 https://doi.org/10.1039/D0CS00239A SJR 2024: **11.467** ***Q1***	107	60.61
232	Aggregation Induced Emissive Luminogens	Zalmi, G. A.; Gawade, V. K.;	*ChemistryOpen.* **2021,** *10,*	5	2.911

	for Sensing of Toxic Elements	Nadimetla, D.N.; **S. V. Bhosale***	681–696. *doi: 10.1002/ open.202100 082* SJR 2024: **0.563** ***Q2***		
231	Self-assembly of porphyrin on the surface of a novel composite high performance photocatalyst for the degradation of organic dye from water: Characterization and performance evaluation	La, D. D.; Anh Nguyed, T.; Sang Nguyen, X.; Truong, T. N.; Nghyen, P. H,;.Ninh, H. D.; Vo, H. T.; Bhosale, S. V.; Chang, S. W.; Rene, E. R.; Nguyen, T. H.; Lee, S. M.; Tran, L. D.; Nguyen, D. D.	*J. Environ. C hem. Eng.*, **2021**, *9,* 106034 *https://doi.org/10.1016/j.jece.2021.106034* SJR 2024: **1.454** ***Q1***	9	7.96
230	Tetraphenylethylene AIEgen Bearing Thiophenylbipyridine Receptor for Selective Detection of Copper(II) Ion	Nadimetla, D. N.; **S. V. Bhosale***	*New J. Chem.* **2021**, *45,* 7614-7621. *https://doi.org/10.1039/d1nj01001h* SJR 2024: **0.493** ***Q2***	14	3.591
229	Designing Neurotransmitter Dopamine-Functionalized Naphthalene Diimide Molecular Architectures for High-Performance Organic Supercapacitor Electrode Materials	Biradar, M. R.; Salkar, A. V.; Morajkar, P. P.; Bhosale, S. V.; **S. V. Bhosale***	*New J. Chem.* **2021**, *45 (21),* 9346-9357. *https://doi.org/10.1039/d1nj00269d* SJR 2024: **0.493** ***Q2***	12	3.91

228	Characteristics of the pH-Regulated Aggregation-Induced Enhanced Emission (AIEE) and Nanostructure Orchestrate via Self-Assembly of Naphthalenediimide–Tartaric Acid Bola-Amphiphile: Role in Cellular Uptake	Wagalgave, S. M.; Aljabri, M. D.; Bhamidipati, K.; Shejule, D. A.; Nadimetla, D. N.; Al Kobaisi, M.; Puvvada, N.; Bhosale, S. V.; **S. V. Bhosale***	*New J. Chem.* **2021**, *45 (19),* 8775-8785. *https://doi.org/10.1039/d0nj05845a* SJR 2024: **0.493** ***Q2***		3.91
227	Aggregation Induced Emission (AIE) Materials Based on Diketopyrrolopyrrole Chromophore for CdS Nanowire Solar Cell Applications	Wagalgave, S. M.; Mendhe, A. C.; Nadimetla, D. N.; Al Kobaisi, M.; Sankpal, B. R.; Bhosale, S. V.; **S. V. Bhosale***	*J. Electroanal. Chem.* **2021**, *895,* 115451. *https://doi.org/10.1016/j.jelechem.2021.115451* SJR 2024: **0.760** ***Q1***	4	4.59
226	Designing a Rare DNA-Like Double Helical Microfiber Superstructure via Self-Assembly of in Situ Carbon Fiber-Encapsulated WO3-XNanorods as an Advanced Supercapacitor Material	Salkar, A. V.; Naik, A. P.; **Bhosale, S. V.;** Morajkar, P. P.	*ACS Appl. Mater. Interfaces* **2021**, *13 (1),* 1288-1300. *https://doi.org/10.1021/acsami.0c21105* SJR 2024: **1.912** ***Q1***	28	10.38
225	Influences of Number of 2-Ethylhexylamine Chain Substituents on Electron Transport Characteristics of Core-Substituted Naphthalene Diimide Analogues	Birajdar, S. S.; Naqvi, S. N.; More, K. S.; Puyad, A. L.; Kumar, R.; Bhosale, S. V; **S. V. Bhosale***	*New J. Chem.* **2021,** *45,* 1590-1600, *https://doi.org/10.1039/d0nj05045h*	6	3.91

			SJR 2024: **0.493** ***Q2***		
224	Carbon Nanodots Derived from Kitchen Waste Biomass as a Growth Accelerator for Fenugreek Plant	Waghmare, R. D.; Gunjal. D. B.; Naik. V.M.; Gore, A. H.; Nimbalkar, M. S.; Anbhule, P. V.; Bhosale S. V.; Sohn.D.; Kolekar.G.B.	*Journal of Nanoscience and Nanotechnology*, **2021**, *21*, 2234-2245 *https://doi.org/10.1166/jnn.2021.19028* **Discontinued in Scopus as of 2017**	6	1.354
223	Nature-inspired organic semiconductor via solvophobic self-assembly of porphyrin derivative as an effective photocatalyst for degradation of rhodamine B dye	La, D. D.; Jadhav, R. W.; Gosavi, N.M.; Rene, E. R.; Nguyen, T. A.; Thanh, B. X.; Nguyen, D.; Chung, W. J.; Chang, S.W.; Nguyen, X.H.; Tran, L. D.; **S. V. Bhosale***	*Journal of Water Process Engineering* **2021**, *40*, 101876 *https://doi.org/10.1016/j.jwpe.2020.101876* SJR 2024:**1.358** ***Q1***	13	7.34
222	Conjoint use of Naphthalene Diimide and Fullerene Derivatives to Generate Organic Semiconductors for n–type Organic Thin Film Transistors	Birajdar.S.S.; Brixi. S.; Rao.P.S.; Bhosale. R.S.; Kobaisi. M.A.; Gupta. A.; Lessard. B.H.; Bhosale. S.V.; Bhosale. S.V.	*Chemistryopen* **2021**, *https://doi.org/10.1002/open.202000230* SJR 2024: **0.563** ***Q2***	4	2.6

221	Flower-Like Superstructures: Structural Features, Applications and Future Perspectives	**S. V. Bhosale***; Kobaisi. M.A.; Jadhav.R.W.; Jones, L.A.	*The Chemical Record* **2021**, *21*,257-283 *https://doi.org/10.1002/tcr.202000129* SJR 2024: **1.397** ***Q1***	10	6.93
220	Photoswitchable Molecular Glue for Carbon Nanotubes Reversibly Controls Electronic Mobility with Light	Saha.M.; More.V.G.; Aljabri.M.D.; Chatterje.S.; Sahanawaz. M.d.; Bandyopadhyay. S.; **S. V. Bhosale***	*ACS Appl. Electron. Mater.* **2021**, *3*, *1*, 309–315 *https://doi.org/10.1021/acsaelm.0c00857* SJR 2024: **1.045** ***Q1***	7	4.49
219	High-performance supercapacitor electrode based on naphthoquinone-appended dopamine neurotransmitter as an efficient energy storage material	Biradar. M. R.; Salkar. A.V.; Morajkar. P.P.; Bhosale, S.V.; **S. V. Bhosale***	*New J. Chem.*, **2021**,*45*, 5154-5164 *https://doi.org/10.1039/D0NJ05990K* SJR 2024: **0.493** ***Q2***	8	3.91
218	Donor-acceptor-donor modelled donor targets based on indoline and naphthalene diimide functionalities for efficient bulk-heterojunction devices	Wagalgave, S.M.; Bhosale, S.V.; Puyad, A.L.; Chen, J. U.; Jones, L.; Li, J. L.; Gupta. A.; **S. V. Bhosale***	*Dyes and pigments* **2021**, *184*, 108808 *https://doi.org/10.1016/j.dyepig.2020.108808* SJR 2024: **0.680** ***Q2***	1	4.88

217	Flower-Like Morphology of Naphthalene Diimides Containing tetra-L- and D-Alanine	Shaikh. D.B.; More. K.S.; Kobaisi. M.A.; La. D.D.; Bhosale.S.V.; **S. V. Bhosale***	*ChemistrySelect* **2020**, *5*, 14203-14209 *https://doi.org/10.1002/slct.202003108* SJR 2024: **0.366** ***Q3***	3	2.3
216	Vanadium pentoxide nanoparticle mediated perturbations in cellular redox balance and the paradigm of autophagy to apoptosis	Suma.P.R.; Padmanabhan.R.A.; Telukutla.S.R.; Ravindran. R.; Velikkakath. A.K.; Dekiwadia. C.D.; Paul. W.; Laloraya. M.; Srinivasula. S.M.; **S. V. Bhosale***; Jayasree, R. S.	*Free Radical Biology and Medicine* **2020,** *161*, 198-211 *https://doi.org/10.1016/j.freeradbiomed.2020.10.008* SJR 2024: **2.065** ***Q1***	17	8.1
215	Facile synthesis of fibrous, mesoporous Ni1 2 xO nanosponge supported on Ni foam for enhanced pseudocapacitor applications	Naik.A.P.; Salkar.A.V.; Guerrero. Peña. GDJ.; Sawant.J.V.; Bharath. G.; Banat. F.; Bhosale, S.V.; Morajkar.P.P.	*J. Mater. Sci.* **2020**, *55*, 12232-12248 *https://doi.org/10.1007/s10853-020-04884-0* SJR 2024: **0.802** ***Q1***	11	4.68
214	Nitrogen-doped carbon dot threads as a “turn-off” fluorescent probe for permanganate ions and its hydrogel hybrid as a naked eye sensor for gold(III) ions	Naik.V.M.; Gunjal. D. B.; Gore.A.H.; Anbhule.P.V.; Sohn. D.;Bhosale. S.V.; Kolekar. G.B.	*Analytical and Bioanalytical Chemistry* **2020**, *412*, 2993-3003 *https://doi.org/10.1007/s00216-020-02550-7*	18	4.47

			SJR 2024: **0.716** ***Q2***		
213	The controllable nanostructure and photocatalytic behaviour of 5,10,15,20-tetra-(3,4,5 trimethoxyphenyl)porphyrin through solvophobic supramolecular self-assembly	Jadhav.R.W.; La.D.D.; Truong. T.N.; Khalap S.V.;Quang.D.V.; Bhosale.S.V.	*New J. Chem.*, **2020**, *44*, 18442-18448 *https://doi.org/10.1039/D0NJ03355C* SJR 2024: **0.493** ***Q2***	6	3.91
212	Selectivity and biocompatibility of self-assembled chiral flower-like and helical nanostructures.	Wagalgave.S.M.; Padghan. S.D.; Kobaisi.M.A.; La.D;D.; Bhamidipati. K.; Puvvada.N.; Bhosale.R.S.; Bhosale. S.V.; Bhosale.S.V.	*New J. Chem.*, **2020,** *44*, 18092-18101 *https://doi.org/10.1039/D0NJ01235A* SJR 2024: **0.493** ***Q2***	5	3.91
211	Recent Advances in the Preparation and Applications of Organo-functionalized Porous Materials	Yadav.R.; Baskaran.T, Kaiprathu A.; Ahmed M.;Bhosale.S.V.; Joseph.S.; Ala'a H Al-Muhtaseb.; Singh G.; Sakthivel A.; Vinu A.	*Chemistry–An Asian Journal* **2020**, *15*, 2588-2621 *https://doi.org/10.1002/asia.202000651* SJR 2024: **0.751** ***Q2***	29	4.83

210	An AIE-Active Tetraphenylethylene-Based Cyclic Urea as a Selective and Efficient Optical and Colorimetric Chemosensor for Fluoride Ions	Nadimetla, D.N.; A Zalmi, G.A.; Bhosale S. V.*	*ChemistrySelect*, **2020**, *5*, 8566-8571 SJR 2024: **0.366** ***Q3***	11	2.3
209	Novel core-modulated naphthalenediimides with CN-TFPA as electron transport layer for inverted perovskite solar cells	Shaikh, D. B.; Wenbo, L.; Bhosale, R.S.; Ali Said, A.; Al Kobaisi, M.; Bhosale, S. V.; Bhosale S. V.*; Zhang, Q.	*Materials Research Bulletin* **2020**, *132*, 111009 SJR 2024: **0.943** ***Q1***	3	5.6
208	The first connection of carbonyl-bridged triarylamine and diketopyrrolopyrrole functionalities to generate a three-dimensional, non-fullerene electron acceptor	Jadhav R. W.; Hangarge R. V., Aljabri M. D.; More K. S.; Chen J., Jones L. A.; Evans R. A.; Li J.; Bhosale S. V.*; Gupta A.	*Mater. Chem. Frontiers* **2020**|*https://doi.org/10.1039/D0QM00041H*| SJR 2024: **1.444** ***Q1***	10	8.68
207	Recent Advances in the Preparation and Applications of organo-functionalized Porous Materials	Yadav R.; Baskaran T. Kaiprathu A.; Maqsood A.; Bhosale S. V.; Joseph S.; Al-Muhtaseb A. H.; Singh G.; Ayyamperumal S.; Ajayan V.	*Chem. An Asian J.* **2020,** *15*, 2588-2621 *https://doi.org/10.1002/asia.202000651* SJR 2024: **0.751** ***Q2***	29	4.83
206	Efficient photocatalysis of organic dyes under simulated sunlight irradiation by a novel magnetic $CuFe_2O_4$@porphyrin nanofiber hybrid material fabricated via self-assembly	La, D. D.; Tran V. C.; Hoang, N. T. T.; Doan, N. M. D.; Nguyen H. P.; Vo Hoang, T.; Ho, P. H.; Nguyen, T. A.; **Bhosale, S. V.*;** Nguyen, X. C.; Chang, S. W.; W. Jin, C.; Duc, N.	*Fuel*, **2020**, *281*, 118655 SJR 2024: **1.124** ***Q1***	26	8.03

205	Biological Durability, Cytotoxicity and MRI Image Contrast Effects of Chitosan Modified Magnetic Nanoparticles	T. T. Le1, H. D. Nguyen , T. N. L. Nguyen , T. V. Nguyen, P. T. H. Tuyet, T. H. Hoang, T. C. Dang, B. L. Minh, L. T. Lu, D D La, Bhosale, S.V.*, D. L. Tran	*J Nanosci Nanotechnol.* **2020**, *1;20*, 5338-5348. *DOI:10.1166/jnn.2020.17861* **Discontinued in Scopus as of 2017**	4	1.354
204	Tuning Achiral to Chiral Supramolecular Helical Superstructures **Highlighted as a Front Cover**	Nadimetla, D.N.; Kobaisi, M Al, Bugde, S.T.; Bhosale, S.V.*	*The Chemical Record* **2020** *https://doi.org/10.1002/tcr.202000004* SJR 2024: **1.397** ***Q1***	20	6.93
203	Supramolecular self-assembly of naphthalene diimide bolaamphiphile with biologically important amines: Cyclam, spermine and melamine	Goskulwad, S. P.; Nadimetla, D. N.; Shaikh, D. B.; La, D.D.; Al Kobaisi, M.; Bhosale, R. S.; Bhosale, S. V.; Bhosale, S.V.	*Journal of Molecular Structure* **2020**, *1206*, 127743 *https://doi.org/10.1016/j.molstruc.2020.127743* SJR 2024: **0.628** ***Q2***	3	3.84
202	Self-assembled kanamycin antibiotic-inorganic microflowers and their application as a photocatalyst for the removal of organic dyes	Jadhav, R.W.; La, D.D.; More, V.G.; Vo, H.T.; Nguyen, D.A.; Tran, D.L.; Bhosale, S.V.*	*Sci. Rep.* **2020;** *10;* 154. *https://doi.org/10.1038/s41598-019-57044-z* SJR 2024: **0.874** ***Q1***	17	4.379

201	Super porous TiO sub(2) photocatalyst: Tailoring the agglomerate porosity into robust structural mesoporosity with enhanced surface area for efficient remediation of azo dye polluted waste water	Naik, A.P.; Mittal, H.; Wadi, V.S.; Sane, L.; Raj, A.; Alhassan, S. M.; Alili, A. A.; Bhosale, S. V.; Morajkar, P. P.	*Journal of Environmental Management* **2020**, *258*, 110029 *DOI: 10.1016/j.jenvman.2019.110029* SJR 2024: **1.944** ***Q1***	53	6.789
200	Flurbiprofen conjugates based on hydroxyethylcellulose: Synthesis, characterization, pharmaceutical and pharmacological applications	Abbas, K.; Ajaz Hussain, M.; Abbas Bukhari, S. N.; Amin, M.; Tahir, M. N.; Bhosale, S. V.	*Arab. J. Chem.*, **2020**, *13*, 2101-2109 *https://doi.org/10.1016/j.arabjc.2018.03.011* SJR 2024: **0.888** ***Q1***	6	6.21
199	Aggregation-induced emission characteristics and solvent triggered hierarchical self-assembled chiral superstructures of naphthalenediimide amphiphiles	Shejul, D. A.; Wagalgave, S. M.; Jadhav, R. W.; Al Kobaisi, M.; La, D. D.; Jones, L. A.; Bhosale, R.S.; Bhosale, S. V.; Bhosale, S.V.*	*New J. Chem.*, **2020**, *44*, 1615-1623 *https://doi.org/10.1039/C9NJ05137F* SJR 2024: **0.493** ***Q2***	20	3.91
198	NH- and CH-Substituted Ureas as Self-Assembly Directing Motifs for Facile Synthesis and Electrocapacitive Applications of Advanced WO_{3-x} One-Dimensional Nanorods	Salkar, A. V.; Fernandes, R. S.; Bhosale, S. V.; Pranay P Morajkar	*ACS Applied Energy Materials* **2019**, *2*, 8724-8736 *https://doi.org/10.1021/acsaem.9b01704*	25	6.95

			SJR 2024: **1.378** ***Q1***		
197	Molecular aggregation of Naphthalene diimide (NDI) derivatives in electron transport layers of inverted perovskite solar cells and their influence on the device performance	Liu, W.; Shaikh, D. B.; Rao, P.S.; Bhosale, R.S.; Ali Said, A.; Mak, A. M.; Wang, Z.; Zhao, M.; Gao, W.; Chen, B.; Lam, Y. M.; Fan, W.; Bhosale, S. V.; Bhosale, S.V.*; Zhang, Q.	*Chem. An Asian. J.*, **2020**, *15*, 112-121 *This article also appears in: Hot Topic: Solar Cells* *https://doi.org/10.1002/asia.201901452* SJR 2024: **0.751** ***Q2***	18	4.83
196	Influences of Structural Modification of Naphthalenediimides with Benzothiazole on Organic Field-Effect Transistor and Non-Fullerene Perovskite Solar Cell Characteristics	Shaikh, D. B.; Ali Said, A.; Wang, Z.; Rao, P. S.; Bhosale, R. S.; Mak, A. M.; Zhao, K.; Zhou, Y.; Liu, W.; Gao, W.; Xie, J.; Bhosale, S. V.; Bhosale, S.V.*; Zhang, Q.	*ACS Appl. Mater. Interfaces*, **2019**, *11*, 44487-44500 *https://doi.org/10.1021/acsami.9b13894* SJR 2024: **1.921** ***Q1***	23	10.38
195	Arginine-Induced Self-Assembly of Protoporphyrin to Obtain Effective Photocatalysts in Aqueous Media Under Visible Light	Aljabri, M. D.; Gosavi, N. M.; Jones, L. A.; Morajkar, P. P.; La, D. D.; Bhosale, S. V.*	*Molecule*, **2019,** *24*, 4172-4185. *https://doi.org/10.3390/molecules24224172*	9	4.91

			SJR 2024: **0.865** ***Q1***		
194	Supramolecular super-helix formation via self-assembly of naphthalene diimide functionalised with bile acid derivatives	Wagalgave, S. M.; Padghan, S. D.: Burud, M. D.; Al Kobaisi, M.;La, D. D.; Bhosale, R. S.; Bhosale S. V.; Bhosale, S. V.*	*Sci. Rep.* **2019**, *9:* 1282 5 *https://doi.org/10.1038/s41598-019-49235-5* SJR 2024: **0.874** ***Q1***	9	4.96
193	Iodine-DMSO-Catalyzed Chemoselective Biomimetic Aromatization of Tetrahydro-β-carbolines-3-carboxylic Acid: Mechanism Study with DFT-Calculation	Gaikwad, S.V.; Nadimetla, D. N. Al Kobaisi, M.; Devkate, M.; Joshi, R.; Shinde, R. G.; Gaikwad, M. V.; Nikalje, M. D.; Bhosale, S. V.*; Lokhande, P. D.	*ChemistrySelect* **2019,** *4,* 1-9 *https://doi.org/10.1002/slct.201902419* SJR 2024: **0.366** ***Q3***	9	2.3
192	The Supramolecular Self-Assembly of Aminoglycoside Antibiotics and their Applications	Jadhav, R. W.; Al Kobaisi, M.; Jones, L. A.; Vinu, A.; Bhosale, S.V.*	*ChemistryOpen* **2019**, *8,* 1-14 *DOI: 10.1002/open.201900193* SJR 2024: **0.563** ***Q2***	15	2.6
191	A Naphthalimide-Benzothiazole Conjugate as Colorimetric and Fluorescent Sensor for Selective Trinitrophenol Detection	Jawale Patil, P. D.; Ingle, R. D.; Wagalgave, S.M.; Bhosale, R. S.; Bhosale, S. V.; Pawar; R. P.; Bhosale, S.V.*	*Chemosensors* **2019**, *7,* 38 *https://doi.org/10.3390/chemosensors7030038*	16	4.22

			SJR 2024: **0.618** ***Q2***		
190	Biomass derived porous carbon for CO2 capture	Singh, G.; Lakhi, K. S.; Sil, S.; Bhosale, S. V., Kim, In Y.; Albahily, K.; Ajayan V.	*Carbon* **2019**, *148*, 164-186 *https://doi.org/10.1016/j.carbon.2019.03.050* SJR 2024: **2.320** ***Q1***	329	11.3
189	Nitrogen-Doped Carbon Dots via Hydrothermal Synthesis: Naked Eye Fluorescent Sensor for Dopamine and Used for Multicolor Cell Imaging **Highlighted as a Front Cover**	Naik, V,; Zantye, P.; Gunjal, D.; Gore, A.; Anbhule, P.; Kowshik, M.; Bhosale, S.V.*, Kolekar, G.	*ACS Applied Bio Materials* **2019,** *2*, 2069-2077 *https://doi.org/10.1021/acsabm.9b00101* SJR 2024: **0.894** ***Q1***	72	
188	An efficient, three-dimensional non-fullerene electron acceptor: functionalizing tetraphenylethylene with naphthalene diimides	Wagalgave, S. M.; Bhosale, S. V.*, Bhosale, R. S.; Puyad, A. L.; Chen, J.-Y.; Li, J.-L.; Evans, R. A.; Gupta, A.; Bhosale, S. V.	*Mater. Chem. Frontiers* **2019,** *3*, 1231-1237 *https://doi.org/10.1039/C9QM00129H* SJR 2024: **1.444** ***Q1***	18	8.6
187	Supramolecular nanomaterials with photocatalytic activity obtained via self-assembly of a fluorinated porphyrin derivative	Aljabri, M. D.; La, D. D.; Jadhav, R.W.; Jones, L. A.; Nguyen, D. D.; Chang, S. W.; Tran, L. D.; Bhosale, S. V.*	*Fuel* **2019**, *254*, 115639 *https://doi.org/10.1016/j.fuel.2019.115639*	24	8.035

			SJR 2024: **1.124** ***Q1***		
186	Antenna-like Ring Structures via Self-Assembly of Octaphosphonate Tetraphenyl Porphyrin with Nucleobases	Aljabri, M. D.; Jadhav, R.W.; Al Kobaisi, M.; Jones, L. A.; Bhosale, S. V.; Bhosale, S. V.*	*ACSOmega* **2019**, *4*, 11408-11413 *https://doi.org/10.1021/acsomega.9b00909* SJR 2024: **0.773** ***Q1***	5	4.13
185	Light triggered encapsulation and release of C_{60} with a photoswitchable TPE-based supramolecular tweezers	Samanta, M.; Rananaware, A. Nadimetla, D. N. Rahaman, S. A.; Saha, M.; Jadhav, R. W. Bhosale, S. V.*, Bandyopadhyay, S.	*Sci. Rep.* **2019**, *9*, 9670 *https://doi.org/10.1038/s41598-019-46242-4* SJR 2024: **0.874** ***Q1***	11	4.379
184	A series of V-shaped small molecule non-fullerene electron acceptors for efficient bulk-heterojunction devices	Rao, P. S. More, V. G.; Jangale, A. D. Bhosale, S. V.*, Bhosale, R. S.; Puyad, A. L. Chen, J.Y.; Li, J.-L.; Bhosale, S. V.; Gupta, A.; Sharma, G. D.	*Dyes and Pigments*, **2019,** *171*, 107677 *https://doi.org/10.1016/j.dyepig.2019.107677* SJR 2024: **0.680** ***Q2***	16	4.69
183	Meet the Board of ChemistryOpen	Jangale, A. D.; Jadhav, R. W.; Nadimetla, D. N.; Burud, M. D.; More V. G.; Bhosale, S. V.*	*ChemistryOpen*, **2019**, *8*, 403-405 *https://doi.org/10.1002/open.201900047*	-	2.37

			SJR 2024: **0.563** ***Q2***		
182	Solvent directed self-assembly of naphthalenediimide-tryptophan-glutamate conjugates	Goskulwad, S. P.; More, V. G.; La, D. D.; Bhosale, R. S.; Puyad, A. L.; Bhosale, S. V.; Bhosale, S. V.*	*Indian Journal of Chemistry, 58B,* **2019**, 200-208 *http://nopr.niscair.res.in/handle/123456789/45777* SJR 2024: **0.154** ***Q4***	1	0.592
181	Size-Control and Surface Modification of Flexible Metal-Organic Framework MIL-53 (Fe) by Polyethyleneglycol for 5-Fluorouracil Anticancer Drug Delivery	Nguyen, H. P. Thi, H.; Ninh, D.; Tran, C.V.; Le, B. T.; Bhosale, S. V.*; La, D. D.	*ChemistrySelect* **2019**, *4*, 2333-2338 *DOI:10.1002/slct.201803887* SJR 2024: **0.366** ***Q3***	28	2.3
180	Solvent-Induced Self-Assembly of Naphthalenediimide Conjugated to Tetraphenylethene through D-and L-Alanine	Goskulwad, S. P.; More, V. G.; Al Kobaisi, M.; Bhosale, R. S.; La, D. D. Antolasic, F.; Bhosale, S. V.; Bhosale, S.V.*	*ChemistrySelect* **2019,** *4*, 2626-2633 *https://doi.org/10.1002/slct.201900087* SJR 2024: **0.366** ***Q3***	3	2.3

179	NDI-Based Small Molecules as Electron Transporting layers in Solution-Processed Planar Perovskite Solar Cells	Said, A.A.; Wagalgave, S. M.; Xie, J.; Puyad, A. L.; Chen, W.; Wang, Z.; Bhosale, S. V.*; Bhosale, S. V.; Zhang, Q.	*Journal of Solid State Chemistry,* **2019** *270*, 51-57 *DOI:10.1016/j.jssc.2018.10.045* SJR 2024: **0.629** ***Q2***	17	3.65
178	Direct connection of an amine to oligothiophene to generate push-pull chromophores for organic photovoltaic applications	Agarwal, A.; Hundal, A. K.; Chen, J. Y.; Bilic, A.; Xiang, W.; Bhosale, S. V.*; Li, J. L.; Evans, R. A.; Gupta, A.	*Dyes & Pigments* **2019**, *162*, 315-323 *https://doi.org/10.1016/j.dyepig.2018.10.048* SJR 2024: **0.680** ***Q2***	3	4.88
177	Supramolecular chiral helical ribbons of naphthalenediimide appended tetraphenylethylene controlled by solvent and induces via L- and D-alanine spacers	Goskulwad, S. P.; Al Kobaisi, M.; La, D. D.; Bhosale, R. S.; Ratanlal, M.; Bhosale, S. V.*; Bhosale, S. V.*	*Chem. Asian. J.*, **2018**, *13*, 3947-3953 *https://doi.org/10.1002/asia.201801421* SJR 2024: **0.751** ***Q2***	14	4.83
176	Functionalized Quinoxaline for Chromogenic and Fluorogenic Anion Sensing **Highlighted as a Front Cover**	Dey, S.K.; Al Kobaisi, M.; Bhosale, S. V.*	*ChemistryOpen* **2018**, *7*, 934-952 *https://doi.org/10.1002/open.201800163*	29	2.6

			SJR 2024: **0.563** ***Q2***		
175	Spermine-directed supramolecular self-assembly of water-soluble AIE-active tetraphenylethylene: nanobelt, nanosheet, globular and nanotubular structures	La, D. D.; Malegaonkar J. N.; Al Kobaisi, M.; Bhosale, R. S.; Bhosale, S. V.; Bhosale, S. V.*	*New J. Chem.* **2018**, *42*, 15379-15386 https://doi.org/10.1039/C8NJ02636J SJR 2024: **0.493** ***Q2***	10	3.92
174	Graphene-Supported Novel Adsorbents for Spinel Arsenic CuFe Removal 2 Composites: in Aqueous Media, published in Special issue "Fluorescent Probes and Sensors", 2018	La, D. D.; Nguyen, T. A.; Jones, L. A.; Bhosale, S. V.*	*Sensors*, **2018**, *17*, 219 https://doi.org/10.3390/s17061292 SJR 2024: **0.764** ***Q1***		3.84
173	Chiral Supramolecular Assemblies from an Achiral Naphthalene Diimide Bearing a Urea Moiety	Shaikh, D. B.; Bhosale, R. S.; La, D. D.; Al Kobaisi, M.; Bhosale, S. V.; Bhosale, S. V.*	*Chem. Asian. J.* **2018**, *13*, 3268-3273 https://doi.org/10.1002/asia.201801115 SJR 2024: **0.493** ***Q2***	5	4.83
172	A New Approach of Fabricating Graphene Nanoplates@ Natural Rubber Latex Composite and Its Characteristics and Mechanical Properties, 2018	La, D. D; Nguyen, T.; Quoc, V.; Nguyen, T.; Nguyen, D.; Pham Duy, L.; Trung, N.; Bhosale, S. V.*	*C-Journal of Carbon Research* **2018**, *4*, 50 https://doi.org/10.3390/c4030050	9	New journal

			SJR 2024: **0.499** ***Q2***		
171	A Biomimetic Supramolecular Approach for Charge Transfer between Donor and Acceptor Chromophores with Aggregation-Induced Emission **Highlighted as a Cover Feature**	Chen, J. Y.; Kadam, G.; Gupta, A.; Bhosale, S. V.*; Zheng, F.; Zhou, C. H.; Jia, B. H.; Dalal, D. S.; Li. J.*	*Chem. Eur. J.*, **2018**, *24*, 14568-14568 *https://doi.org/10.1002/chem.201803158* SJR 2024: **0.981** ***Q1***	15	4.83
170	Proton Triggered Colorimetric and Fluorescence Response of a Novel Quinoxaline Compromising a Donor-Acceptor System, 2018	More, Y.; Padghan, S.; Bhosale, R. S.; Pawar, R.; Puyad, A.; Bhosale, S. V.; Bhosale, S. V.*	*Sensors*, **2018**, *18*, 3433 *DOI: 10.3390/s18103433* SJR 2024: **1.509** ***Q1***	16	3.84
169	Graphene-Supported Novel Adsorbents for Spinel Arsenic CuFe Removal Composites: in Aqueous Media	La, D. D.; Nguyen, T. A.; Jones, L. A.; Bhosale, S. V.*	*Fluorescent Probes and Sensors* **2018,** *17*, 219-232. *DOI: 10.3390/s17061292*		3.84
168	Dynamic multistimuli-responsive reversible chiral transformation in supramolecular helices	Goskulwad, S.; La, D.D.; Al Kobaisi, M.; Bhosale, S. V.; Bansal, V.; Vinu, A.; Ariga, K.; Bhosale, S. V.*	*Sci. Rep.* **2018***; 8:* 11220 *https://doi.org/10.1038/s41598-018-29152-9*	23	4.96

			SJR 2024: **0.874** ***Q1***		
167	Synthesis and Liquid Crystalline Properties of Unsymmetrically Substituted Naphthalene Diimides with a Polar Head Group: Effect of Amide Hydrogen Bonding and Alkyl Chain Length **Highlighted as a back Cover**	Ghule, N. V.; Bhosale, R. S.; Bhosale, S.V.; Srikanth, T.; Rao, N. V. S.; Bhosale, S. V.*	*ChemistryOpen* **2018**, *7*, 61 – 67 *https://doi.org/10.1002/open.201700151* SJR 2024: **0.563** ***Q2***	8	2.6
166	An efficient non-fullerene acceptor based on central and peripheral naphthalene diimides	Rao, P.S.; Gupta, A.; Srivani, D.; Bhosale, S. V.; Bilic, A.; Li, J.; Xiang, W.; Evans, R. A.; Bhosale S. V.*	*Chem. Commun.*, **2018**, *54*, 5062-5065 *https://doi.org/10.1039/C8CC01779D* SJR 2024: **1.037** ***Q1***	29	6.06
Publications during academic position in Australia (No. 136)					
165	Generating a three-dimensional non-fullerene electron acceptor by combining inexpensive spiro[fluorene-9,9'-xanthene] and cyanopyridone functionalities **Highlighted as a front Cover**	Kadam, G.; Anuradha .; Agarwal, A.; Puyad, A.; La, D. D. Evans, R. A.; Li, J.; Gupta, A.; Bhosale, S. V.*	*Mater. Chem. Fron.*, **2018**, *2*, 1090-1096. *https://doi.org/10.1039/C8QM00067K* SJR 2024: **1.444** ***Q1***	23	6.48

164	Study on Industrial-Scale Fabrication of Graphene Nanoplatelets (GNPs) from Natural Graphite	Nguyen T. A.*; Thi Tham, N. T.; Thi Hong, P. N.; Bhosale, S. V.*; La, D. D.	*Materials Science Forum*, **2018**, *917*, 101-105. https://doi.org/10.4028/www.scientific.net/MSF.917.101 SJR 2024: **0.158** ***Q4***		0.48
163	Fabrication of diverse nano-architectures through the self-assembly of a naphthalenediimide derivative bearing four carbamates	Wagalgave, S. M.; La, D. D.; Bhosale, R. S.; Al Kobaisi, M., Jones, L. A.; Bhosale, S. V.; Bhosale, S. V.*	*New. J. Chem.* **2018**, *42*, 6785-6793. https://doi.org/10.1039/C7NJ04503D SJR 2024: **0.493** ***Q2***	9	3.92
162	Nano-Manufacturing Supramolecular Structures of Bio-Inspired Naphthalene Diimide Bolaamhphile via Solvophobic Controlled Self-Assembly	Goskulwad, S. P.; La, D. D.; Bhosale, R. S.; Al Kobaisi, M.; Jones, L. A.; Bhosale, S. V.; Bhosale, S. V.*	*ChemistrySelect*, **2018**, *3*, 1460-1465. https://doi.org/10.1002/slct.201702934 SJR 2024: **0.366** ***Q3***	10	2.3
161	A Triphenylamine-Naphthalene diimide-Fullerene Triad: Synthesis, Photoinduced Charge Separation and Solution-Processable Bulk Heterojunction Solar Cells **Highlighted as a front Cover**	Srivani, D.; Gupta, A.; Bhosale, S. V.; Ohkubo, K.; Bhosale, R. S.; Fukuzumi, S.; Bilic, A.; Jones, L. A.; Bhosale, S. V.*	*Asian J. Org. Chem.* **2018**, *7*, 220-226. https://doi.org/10.1002/ajoc.201700557 SJR 2024: **0.542** ***Q2***	13	3.31

160	pH-Dependent self-assembly of water-soluble sulphonate-tetraphenylethylene with aggregation-induced emission	La, D. D.; Anuhadra.; Kaur Hundal, A.; Jones, L. A.; Bhosale, S. V.*	*Supramolecular Chemistry*, **2018**, *30*, 1-8. *https://doi.org/10.1080/10610278.2017.1348604* SJR 2024: **0.222** ***Q3***	13	1.32
159	The Sensivity of donor-acceptor charge transfer to molecular geometry in DAN-NDI based supramolecular flower-like assemblies	Al Kobaisi, M.; Bhosale, R. S.; El-Khouly, M. E.; La, D. D.; Padghan, S. D.; Bhosale, S. V.; Jones, L. A.; Antolasic, F.; Fukuzumi, S.; Bhosale, S. V.*	*Sci. Rep.* **2017**, *7:* 16501. *https://doi.org/10.1038/s41598-017-15599-9* SJR 2024: **0.874** ***Q1***	22	4.96
158	An aza-12-crown-4 ether-substituted naphthalene diimide chemosensor for the detection of lithium ion	Hangarge, R. V.; La, D. D.; Boguslavsky, M.; Jones, L. A.; Kim, Y. S.; Bhosale, S. V.*	*ChemistrySelect.* **2017**, *2*, 11487-11491. *https://doi.org/10.1002/slct.201702085* SJR 2024: **0.366** ***Q3***	18	2.3
157	Influence of Odd and Even Alkyl Chains on Supramolecular Nanoarchitecture via Self-Assembly of Tetraphenylethylene based AIEgens	Salimimarand, M.; La, D. D.; Bhosale, S. V.; Jones, L. A.; Bhosale, S. V.*	*Appl. Sci.* **2017**, *7* 1119. *https://doi.org/10.3390/app7111119* SJR 2024: **0.521** ***Q2***	8	2.83

156	Tetraphenylethylene-based AIE-Active Probes for Sensing Applications	La, D. D.; Bhosale, S. V.; Jones, L. A.; Bhosale, S. V.*	*ACS Appl. Mater. Interfaces*, **2017**, *10 (15)*, 12189–12216 *https://doi.org/10.1021/acsami.7b12320* SJR 2024: **1.912** ***Q1***	354	8.758
155	Improving the photocatalytic activity of polyaniline salt or porphyrin using novel polyaniline material containing both salt and charge-transfer complex	Gottam, R.; Srinivasan, P.; La, D. D.; Bhosale, S. V.*	*New. J. Chem.* **2017**, *41*, 14595-14601 *https://doi.org/10.1039/C7NJ02399E* SJR 2024: **0.493** ***Q2***	22	3.92
154	Effective Removal of Pb(II) Using Graphene@Ternary Oxides Composite as Adsorbent in Aqueous Media	La, D. D.; Thi, H. P. N.; Nguyen, T. A.; Bhosale, S. V.*	*New. J. Chem.* **2017**, *41*, 14627-14634 *DOI: 10.1039/C7NJ03064A* SJR 2024: **0.493** ***Q2***	28	3.92
153	Supramolecular flower-like microarchitectures self-assembly from naphthalenediimide amphiphile bearing melamine functionality	Bhosale, R.S.; La, D. D.; Padghan, S. D.; Al Kobaisi, M.; Jones, L. A.; Bhosale, S. V.; Bhosale, S. V.*	*ChemistrySelect* **2017**, *2*, 10118-10122 *DOI: 10.1002/slct.201701967* SJR 2024: **0.366** ***Q3***	4	2.3

152	Galvanic Replacement of Semiconducting $CuTCNQF_4$ with Ag^+ ions to fabricate new hybrids for electron transfer reactions	La, D. D.; Ramanathan, R.; Kumar, D.; Ahmed, T.; Walia, S.; Anuradha.; Berean, K. J.; Bhosale, S. V.* Vipul Bansal*	*ChemistrySelect* **2017**, *2 (31)*, 9962-9969 *https://doi.org/10.1002/slct.201701597* SJR 2024: **0.366** ***Q3***	13	2.3
151	Pyrene based fluorescent turn-on chemosensor: aggregation-induced emission enhancement and application towards Fe^{3+} and Fe^{2+} recognition	Padghan, S. D.; Puyad, A. L.; Bhosale, R. S.; La, D.D.; Bhosale, S.V.; Bhosale, S. V.*	*Photochem. Photobiol. Sci.*, **2017,** *16*, 1591-1595 *https://doi.org/10.1039/C7PP00329C* SJR 2024: **0.629** ***Q2***	31	2.9
150	Development in the drug-delivery tools that transport medically active biomolecules	Bhosale, S. V.*; Aljabri, M.; Hundal, A.; Jackson, S. L.; La, D. D.; Salimimarand, M.; Bhosale, S. V.	*Open Access J Sci* **2017**, *1(3)*: 00013 *DOI: 10.15406/oajs.2017.01.00013*		
149	Cyanopyridone flanked the tetraphenylethylene to generate an efficient, three-dimensional small molecule non-fullerene electron acceptor **Highlighted as a Front Cover**	Rananaware, A.; Gupta, A.; Kadam, G.; La, D. D.; Bilic, A.; Xiang, W.; Evans, R. A.; Bhosale, S. V.*	*Mater. Chem. Front.*, **2017**, *1*, 2511-2518 *https://doi.org/10.1039/C7QM00355B* SJR 2024: **1.444** ***Q1***	27	6.48
148	Naphthalene diimide-based non-fullerene acceptors flanked by open-ended and aromatizable acceptor functionalities	Srivani, D.; Agarwal, A.; Bhosale, S. V.; Puyad, A. L.; Xiang, W.; Evans,	*Chem. Commun.* **2017,** *53*, 11157-11160 *https://doi.or*	29	6.06

		R. A.; Gupta, A.; Bhosale, S. V.*	*g/10.1039/C7CC06369E* SJR 2024: **1.037** ***Q1***		
147	Pyrene-Phosphonate Conjugate: Aggregation Induced Enhanced Emission, and Selective Fe^{3+} Ions Sensing Properties	Padghan, S. D.; Bhosale, R. S.; Bhosale, S. V.; Antolasic, F.; Al Kobaisi, M.; Bhosale, S. V.*	*Molecules* **2017,** *22*, 1417 *DOI: 10.3390/molecules22091417* SJR 2024: **0.865** ***Q1***	12	4.92
146	Facile Route to Cesium Lead Bromoiodide Perovskite Microcrystals and Their Potential Application as Sensors for Nitrophenol Explosives.	Aamir, M.; Khan, M. D.; Sher, M.; Bhosale, S. V.; Malik, M. A.; Akhtar, J.; Revaprasadu, N. A	*Eur. J. Inorg. Chem.* **2017**, 3755–3760 *https://doi.org/10.1002/ejic.201700660* SJR 2024: **0.459** ***Q2***	28	2.55
145	Non-fullerene acceptors based on central naphthalene diimide flanked by rhodanine or 1,3-indanedione	Srivani, D.; Gupta, A.; Bhosale, S. V.; Puyad, A. L.; Xiang, W.; Li, J.; Evans, R. A.; Bhosale, S. V.*	*Chem. Commun.* **2017**, *53*, 7080-7083 *https://doi.org/10.1039/C7CC03122J* SJR 2024: **1.037** ***Q1***	35	6.06
144	Arginine-mediated self-assembly of porphyrin on graphene: A photocatalyst for degradation of dyes	La, D. D.; Hangarge, R. V.; Bhosale, S. V.; Duc Ninh, H.; Jones, L.A.; Bhosale, S. V.*	*Appl. Sci***. 2017**, *7*, 643 *https://doi.org/10.3390/app7060643*	36	2.83

			SJR 2024: **0.521** ***Q2***		
143	Donor–acceptor–acceptor sketched non-fullerene acceptors comprising terminal chromen-2-one functionality for efficient bulk heterojunction device	Rao, P. S.; Gupta, A.; Bhosale, S. V.; La, D. D.; Bilic, A.; Xiang, W.; Evans, R. A. Bhosale, S. V.*	*Dyes and Pigments*, **2017**, *146*, 502-511 *DOI: 10.1016/j.dyepig.2017.07.047* SJR 2024: **0.680** ***Q2***	20	4.88
142	Graphene-supported spinel $CuFe_2O_4$ composite: A novel adsorbent for arsenic removal in aqueous media	La, D. D.; Anh Nguyen, T.; Jones, L. A.; Bhosale, S. V.*	*Sensors* **2017**, *17*, 1292 *doi: 10.3390/s17061292* SJR 2024: **1.509** ***Q1***	34	3.84
141	An H-shaped, small molecular non-fullerene acceptor for efficient organic solar cells with an impressive open-circuit voltage of 1.17 V	Gupta, A.; Rananaware,A.; Srinivasa Rao, P.; La, D.D.; Bilic, A.; Xiang, W.; Li, J.; Evans, R. A.; Bhosale, S.V.; Bhosale, S. V.*	*Mater. Chem. Front.*, **2017**, *1*, 1600-1606 *https://doi.org/10.1039/C7QM00084G* SJR 2024: **1.444** ***Q1***	34	8.68
140	Small molecular non-fullerene acceptors based on naphthalenediimide and benzoisoquinoline-dione functionalities for efficient bulk-heterojunction devices	Srivani, D.; Gupta, A.; La, D. D.; Bhosale, R. S.; Puyad, A. L.; Xiang, W.; Li, J.; Bhosale, S. V.*	*Dyes & Pigments*, **2017**, *143*, 1–9 *https://doi.org/10.1016/j.dyepig.2017.04.014*	19	4.88

			SJR 2024: **0.680** ***Q2***		
139	Fabrication of a Graphene@TiO_2@Porphyrin Hybrid Material and Its Photocatalytic Properties under Simulated Sunlight Irradiation	La, D. D.; Bhosale, S. V.; Jones, L. A.; Revaprasadu, N.; Bhosale, S. V.*	*ChemistrySelect* **2017**, *2*, 3329-3333 *ttps://doi.org/10.1002/slct.201700473* SJR 2024: **0.366** ***Q3***	33	2.3
138	Flower-like superstructures of AIE-active tetraphenylethylene through solvophobic controlled self-assembly	Salimimarand, M.; La, D. D.; Al Kobaisi, M.; Bhosale, S. V.*	*Sci. Rep. (Nature)* **2017**, *7*, 42898. *IF: 5.228* *https://doi.org/10.1038/srep42898* SJR 2024: **0.874** ***Q1***	53	4.96
137	Melamine and Spermine Mediated Supramolecular self–assembly of Octaphosphonate Tetraphenyl Porphyrin	Bhosale, R. S.; La, D. D.; Al Kobaisi, M.; Bhosale, S. V.; Bhosale, S. V.*	*ChemistrySelect* **2017**, *2*, 1573-1577 *https://doi.org/10.1002/slct.201601864* SJR 2024: **0.366** ***Q3***	6	2.3
136	Aza-crown ether-core substituted naphthalene diimide fluorescence “turn-on” probe for selective detection of Ca^{2+}	Hughes, W.; Rananaware, A.; La, D. D.; Jones, L. A.; Bhargava, S.; Bhosale, S. V.*	*Sensors and Actuators B Chemistry*, **2017,** *244*, 854–860 *https://doi.org/10.1016/j.s*	27	9.22

			nb.2017.01.044 SJR 2024: **1.509** ***Q1***		
135	Template synthesis of micro/mesoporous Cl-doped polypyrrole using vapor phase polymerization	Bui, T. T.; Kim, Y. S.; Chun, H.; La, D. D.; Bhosale, S. V.*	*Materials Letters* **2017**, *192*, 80-83 https://doi.org/10.1016/j.matlet.2016.12.054 SJR 2024: **0.591** ***Q2***	6	3.42
134	Arginine-induced porphyrin-based self-assembled nanostructures for photocatalytic applications under simulated sunlight irradiation.	La, D. D.; Bhosale, S. V.; Jones, L. A.; Bhosale, S. V.*	*Photochemical & Photobiological Sciences*, **2017,** *16*, 151–154 https://doi.org/10.1039/C6PP00335D SJR 2024: **0.629** ***Q2***	35	3.98
133	Fabriation of a GNPs/Fe-Mg binary oxide composite for effective removal of arsenic from aqueous solution.	La, D. D.; Jones, L.; Antolasic, F.; Bhosale, S. V.*	*ACS Omega* **2017**, *2*, 218-226 https://doi.org/10.1021/acsomega.6b00304 SJR 2024: **0.773** ***Q1***	53	4.13

132	Fabrication of a TiO_2@porphyrin nanofiber hybrid material: A highly efficient photocatalyst under simulated sunlight irradiation	La, D. D.; Rananaware, A.; Nguyen Thi, H. P.; Jones, L.; Bhosale, S. V.*	*Adv. Nat. Sci.: Nanosci. Nanotechnol.* **2017,** *8,* 015009 *(8pp)* https://doi.org/10.1088/2043-6254/aa597e SJR 2024: **0.349** ***Q2***	34	2.37
131	Facile fabrication of Cu(II)-porphyrin MOF thin films from tetrakis(4-carboxyphenyl)porphyrin and $Cu(OH)_2$ nanoneedle array	La, D. D.; Rananaware A.; Kim, Y. S.; Bhosale, S. V.*	*Applied Surface Science* **2017,** *424,* 145-150 https://doi.org/10.1016/j.apsusc.2017.01.110 SJR 2024: **1.310** ***Q1***	57	7.39
130	Chiral assembly of AIE active achiral molecules; An odd effect in self-assembly	Anuradha., La, D. D.; Al Kobaisi, M.; Gupta, A.; Bhosale, S. V.*	*Chem. Eur. J.* **2017**, *23,* 3950-3956 https://doi.org/10.1002/chem.201605458 SJR 2024: **0.981** ***Q1***	42	5.02
129	Enhancing the efficiency of solution-processable bulk-heterojunction devices via a three-dimensional molecular architecture comprising triphenylamine and cyanopyridone	Hangarge, R.V.; Gupta, A.; Raynor, A. M.; La, D. D.; Bilic, A.; Li, J.; Dalal, D.; S.; Evans, R. A.; Bhosale, S. V.*	*Dyes and Pigments* **2017**, *137,* 126–134 https://doi.org/10.1016/j.dyepig.2016.10.008	10	4.88

			SJR 2024: **0.680** ***Q2***		
128	Functional Naphthalene Diimides: Synthesis, Properties and Applications.	Al Kobaisi, M.; Bhosale, S. V; Latham, K.; Bhosale, S. V.*	*Chem. Rev.* **2016**, *116*, 11685–11796 *https://doi.org/10.1021/acs.chemrev.6b00160* SJR 2024: **16.455** ***Q1***	715	72.08
127	Photomodulation of fluoride ion binding through anion-interactions using a photoswitchable azobenzene system	Rananaware, A.; Samanta, M.; Bhosale, R. S.; Al Kobaisi, M.; Roy, B.; Bheemireddy, V.; Bhosale, S. V.; Bandyopadhyay, S.; Bhosale, S. V.*	*Sci. Rep.* **2016**, *6:* 22928 *https://doi.org/10.1038/srep22928* SJR 2024: **0.874** ***Q1***	32	4.96
126	Controlled chiral supramolecular assemblies of water soluble achiral porphyrin induced by chiral counterion	Rananaware, A.; La D. D.; Bhosale, R. S.; Al Kobaisi, M.; Bhosale, S. V.; Bhosale, S. V.*	*Chem. Commun.* **2016**, *52*, 10253-10256 *https://doi.org/10.1039/C6CC04427A* SJR 2024: **1.037** ***Q1***	22	6.01

125	A four-directional non-fullerene acceptor based on tetraphenylethylene and diketopyrrolopyrrole functionalities for efficient photovoltaic devices with a high open-circuit voltage of 1.18 V **Highlighted as a Cover Feature**	Rananaware, A.; Gupta, A.; Li, J.; Bilic, A.; Jones, L.; Bhargava, S.; Bhosale, S. V.*	*Chem. Commun.* **2016,** *52*, 8522-8525 *https://doi.org/10.1039/C6CC03730E* SJR 2024: **1.037** ***Q1***	71	6.01
124	Synergistic co-assembly of two molecular gelators	Chen, J. Y.; Yuan, B.; Li, Z. Y.; Tang, B.; Gupta, A.; Bhosale, S. V.; Wang, X. G.; Li J. L.	*Langmuir*, **2016**, *32*, *pp* 12175-12183 *https://doi.org/10.1021/acs.langmuir.6b03527* SJR 2024: **0.763** ***Q1***	13	4.33
123	A 8-Hydroxypyrene-1,3,6-trisulfonic acid trisodium salt (HPTS) based colorimetric and green turn-on fluorescent sensor for the detection of arginine and lysine in aqueous solution	Bhosale, R. S.; Shitre, G. V., Kumar, R.; Bhosale, S. V.; Biradar, D.; Narasyan, R; Bhosale, S. V.*	*Sensors and Actuators B* **2016**, *241*, 1270-1275 *https://doi.org/10.1016/j.snb.2016.10.002* SJR 2024: **1.509** ***Q1***	44	9.22
122	Synthesis of a tetraphenylethene-substituted tetrapyridinium salt: multifuctionality: mechanochromic, cancer cell imaging and DNA marking	Rananaware, A.; Abraham, A. N.; La, D. D.; Mistry, V.; Shukla, R.; Bhosale, S. V.*	*Aus. J. Chem.* **2017**, *70*, 652-659 *DOI:10.1071/CH16459* SJR 2024: **0.279** ***Q3***	12	1.32

121	Well-dispersed assembled porphyrin nanorods on graphene for the enhanced photocatalytic performance	La, D. D.; Rananaware, A.; Salimimarand, M.; Bhosale, S. V.*	*ChemistrySelect* **2016**, *1*, 4430-4434 https://doi.org/10.1002/slct.201601001 SJR 2024: **0.366** ***Q3***	33	2.3
120	Amphiphilic push-pull iminocoumarin for colorimetric selective fluoride anion sensing	Bhosale, R. S.; Kelson, M.M.A.; Bhosale, S. V.; Bhargava, S. K.; Bhosale, S. V.*	*Materials Today: Proceedings*, **2016**, *3*, 1883-1889 https://doi.org/10.1016/j.matpr.2016.04.088 SJR 2024: **0.585** ***Q2***	2	1.46
119	A highly fluorescent metal-organic framework for the sensing of volatile organic compounds.	Jackson, S. L.; Rananaware, A.; Rix, C.; Bhosale, S. V.*; Latham, K.	*Crystal Growth & Design*, **2016**, *16*, 3067–3071 https://doi.org/10.1021/acs.cgd.6b00428 SJR 2024: **0.633** ***Q2***	88	4.01
118	Insertion of a naphthalenediimide unit in a metal-free donor–acceptor organic sensitizer for efficiency enhancement of a dye-sensitized solar cell	Bobe, S. R.; Gupta, A.; Rananaware, A.; Bilic, A.; Xiang, W.; Li, J.; Bhosale, S. V.*; Bhosale, S. V., Evans, R. A.	*Dyes and Pigments* **2016**, *134*, 83-90 https://doi.org/10.1016/j.dyepig.2016.06.038	21	4.88

			SJR 2024: **0.680** ***Q2***		
117	Funnel shaped molecules containing benzo/pyrido[1,2,5]thiadiazole functionalities as peripheral acceptors for applications in organic photovoltaics	Paramasivam, M.; Gupta, A.; Babu, N. J.; Bhanuprakash, K.; Bhosale, S. V.*; Jayathirtha Rao V.	*RSC Adv.* **2016**, *6*, 66978 – 66989 *DOI:10.1039/C6RA06616J* SJR 2024: **0.777** ***Q1***	19	4.03
116	Golf ball-like architecture fabricated by supramolecular self-assembly of naphthalene diimide	Goskulwad, S. P.; La, D. D.; Bhosale, R. S.; Al Kobaisi, M.; Bhosale, S. V.; Bhosale, S. V.*	*RSC Adv.* 2016, *6*, 39392-39395 *DOI:10.1039/C6RA06927D* SJR 2024: **0.777** ***Q1***	18	4.03
115	Selective detection of nitrite ion by an AIE-active tetraphenylethene dye through a reduction step in aqueous media	Anuradha, Latham, K.; Bhosale, S. V.*	*RSC Adv.* **2016**, *6*, 45009-45013 *DOI: 10.1039/C6RA06800F* SJR 2024: **0.777** ***Q1***	21	4.03
114	Naphthalene diimide-based non-fullerene acceptors for simple, efficient, and solution-processable bulk-heterojunction devices	Srivani, D; Gupta, A.; Raynor, A. M.; Bilic, A.; Li, J.; Bhosale, S. V.; Bhosale, S. V.*	*RSC Adv.* **2016**, *6*, 38703-38708 *https://doi.org/10.1039/C6RA05538A*	17	4.03

			SJR 2024: **0.777** ***Q1***		
113	Improved and a simple approach for mass production of graphene nanoplatelets material	La, D. D.; Bhargava, S.; Bhosale, S. V.*	*ChemistrySelect* **2016,** *5*, 949 – 952 *https://doi.org/10.1002/slct.201600157* SJR 2024: **0.366** ***Q3***	35	2.3
112	Hydrogen sulfate ion sensing in aqueous media based on fused pyrimido benzothiazole derivative	Padghan, S. D.; Bhosale, R. S.; Ghule, N. V.; Puyad, A. L.; Bhosale, S. V.; Bhosale, S. V.*	*RSC Adv.* **2016**, *6*, 34376-34380 *https://doi.org/10.1039/C6RA01980C* SJR 2024: **0.777** ***Q1***	16	4.03
111	Nanostructured charge transfer complex of CuTCNQF4 for efficient photo-removal of hexavalent chromium	La, D. D.; Ramanathan, R.; Rananaware, A.; Bansal, V.; Bhosale, S. V.*	*RSC Adv.* **2016,** *6*, 33931-33936 *https://doi.org/10.1039/C6RA02636B* SJR 2024: **0.777** ***Q1***	40	4.03
110	A non-fullerene electron acceptor based on central carbazole and terminal diketopyrrolopyrrole functionalities for efficient, reproducible and solution-processable bulk-heterojunction devices	Raynor, A. M.; Gupta, A.; Patil, H.; Ma, D.; Bilic, A.; Rook, T.; Bhosale, S. V.*	*RSC Adv.* **2016**, *6*, 28103 – 28109 *DOI: 10.1039/C6RA01558A*	39	4.03

			SJR 2024: **0.777** ***Q1***		
109	Superhydrophobic Fabrics for Oil-Water Separation based on the Metal Organic Charge Transfer Complex CuTCNAQ	Hoshyargar, F.; Mahajan, M.; Anuradha, Bhosale, S. V.; Kyratzis, L. Bhatt A. I.; O'Mullane A. P.	*ChemPlusChem* **2016,** *81*, 378–383 *https://doi.org/10.1002/cplu.201600021* SJR 2024: **0.730** ***Q2***	10	2.86
108	Construction of highly efficient near-IR solid emitter based on naphthalene diimide with AIE-active tetraphenylethene periphery	Rananaware, A; La, D. D.; Jackson, S. M. and Bhosale, S. V.*	*RSC Adv.* **2016**, *6*, 16250–16255 *https://doi.org/10.1039/C6RA00907G* SJR 2024: **0.777** ***Q1***	24	4.03
107	Naphthalene diimide amphiphile based colorimetric probe forrecognition of Cu^{2+} and Fe^{3+} ions	Ghule, N. V.; Bhosale, R. S.; Puyad, A. L.; Bhosale, S. V.; Bhosale, S. V.*	*Sensors and Actuators B* **2016,** *227*, 17–23 *https://doi.org/10.1016/j.snb.2015.12.041* SJR 2024: **1.509** ***Q1***	45	9.22
106	The fluorescence detection of autophagosomes in live cells under starvation using core-substituted naphthalene diimide probes	Ghule, N. V.; Kharat, K.; Bhosale, R. S.; Puyad, A. L.; Bhosale S. V.; Bhosale, S. V.*	*RSC Adv.* **2016,** *6*, 1644–1648 *https://doi.org/10.1039/C5RA24133B* SJR 2024: **0.777** ***Q1***	4	4.03

105	Right-handed helical superstructures from achiral molecules: self-assembly with a twist	Anuradha; La, D. D.; Al Kobaisi, M.; Bhosale, S. V.*	*Sci. Rep.* **2015**, *5*, 15652 *https://doi.org/10.1038/srep15652* SJR 2024: **0.874** ***Q1***	57	4.96
104	Flower-like supramolecular self-assembly of phosphonic acid appended naphthalene diimide and melamine	Bhosale, R. S.; Al Kobaisi, M.; Bhosale, S. V.; Bhargava, S.; Bhosale, S. V.*	*Sci. Rep.* **2015**, *5*, 14609 *https://doi.org/10.1038/srep14609* SJR 2024: **0.874** ***Q1***	59	4.96
103	Significant improvement of optoelectronic and photovoltaic properties by incorporating thiophene in a solution-processable D-A-D modular chromophore	Raynor, A.M.; Gupta, A.; Plummer, C.M.; Jackson, S. L.; Bilic, A.; Patil, H.; Sonar, P.; Bhosale, S. V.*	*Molecules* **2015**, *20*, 21787-21801 *DOI: 10.3390/molecules201219798* SJR 2024: **0.865** ***Q1***	9	4.92
102	Highly selective colorimetric Cys sensor based on core-substituted naphthalenediimides	Bobe, S. R.; Bhosale, R. S.; Goskulwad, S. P.; Puyad, A. L.; Bhosale S. V.; Bhosale, S. V.*	*RSC Adv.* **2015**, *5*, 100697-100701 *https://doi.org/10.1039/C5RA17809F* SJR 2024: **0.777** ***Q1***	8	4.03

101	Clathrate directed assembly of tetrapyridyl-tetraphenylethylene metal organic frameworks	Jackson, S. L.; Rananaware, A.; Rix, C.; Bhosale, S. V.*; Latham K.	*RSC. Adv.* **2015**, *5*, 84134-84141 *https://doi.org/10.1039/C5RA18499A* SJR 2024: **0.777** ***Q1***	21	4.03
100	Isoindigo-Based Small Molecules with Varied Donor Components for Solution-Processable Organic Field Effective Transistor Devices	Patil, H.; Chang, J.; Gupta, A.; Bilic, A.; Wu, J.; Sonar, P.; Bhosale, S. V.*	*Molecules* **2015**, *20*, 17362-17377 *DOI: 10.3390/molecules200917362* SJR 2024: **0.865** ***Q1***	5	4.92
99	Solvophobic control aggregation-induced emission of tetraphenylethene-substituted naphthalene diimide via intramolecular charge transfer	Rananaware, A.; La, D. D.; Bhosale, S. V.*	*RSC Adv.* **2015**, *5*, 63130-63134 *https://doi.org/10.1039/C5RA10050J* SJR 2024: **0.777** ***Q1***	28	4.03
98	A near-infrared fluoride sensor based on a core-substituted naphthalenediimide-anthraquinone conjugate	Bobe , S, R.; Bhosale, S. V.; Jones, L.; Puyad, A. L.; Raynor, A. M.; Bhosale, S. V.*	*Tetrahedron Lett.* **2015**, *56*, 4762-4766 *https://doi.org/10.1016/j.tetlet.2015.06.050* SJR 2024: **0.334** ***Q3***	21	2.03

97	Conjoint use of dibenzosilole and indan-1,3-dione functionalities to prepare an efficient non-fullerene acceptor for solution-processable bulk-heterojunction devices	Patil, H.; Gupta, A.; Alford, B.; Ma, D.; Privér, S. H. Bilic, A.; Sonar, P.; Bhosale, S. V.*	*Asian. J. Org. Chem.*, **2015**, *4*, 1096-1102 *https://doi.org/10.1002/ajoc.201500207* SJR 2024: **0.542** ***Q2***	24	3.31
96	Aggregation-induced emission of star-shape luminogen based on cyclohexanehexone substituted with AIE active tetraphenylethene functionality	Rananaware, A.; La, D. D.; Bhosale, S. V.*	*RSC Adv.* **2015**, *5*, 56270-56273 *https://doi.org/10.1039/C5RA10413K* SJR 2024: **0.777** ***Q1***	29	4.03
95	A simple zinc-porphyrin-NDI dyad system generates a light energy to proton potential across a lipid membrane	Kelson, M. M. A.; Bhosale, R. S.; Ohkubo, K.; Jones, L. A.; Bhosale, S. V.; Gupta, A.; Fukuzumi, S.; Bhosale, S. V.*	*Dyes and Pigments* **2015**, *120*, 340-346 *DOI: 10.1016/j.dyepig.2015.04.040* SJR 2024: **0.680** ***Q2***	20	4.88
94	An electron accepting chromophore based on fluorene and naphthalenediimide functionalities for solution-processable organic solar cells	Gupta, A.; Wang, X.; Srivani, D.; Alford, B.; Chellappan, V.; Bilic, A.; Patil, H.; Jones, L.A.; Sonar, P.; Bhosale, S. V., Sonar, P.; Bhosale, S. V.*	*Asian J. Org. Chem.* **2015**, *4*, 800-807 *DOI: 10.1002/ajoc.201500112* SJR 2024: **0.542** ***Q2***	11	3.31
93	Crowning of dibenzosilole with naphthalenediimide functionality to originate	Gupta, A.; Wang, X.; Hangarge, R. V.; Alford, B.; Patil, H.; Jones, L.A.; Bilic, A.;	*Dyes and Pigments* **2015,** *120*, 314-321 *DOI: 10.101*	13	4.88

	an electron acceptor for organic solar cells	Sonar, P.; Bhosale, S. V.*	*6/j.dyepig.2015.04.03* SJR 2024: **0.680** ***Q2***		
92	Tetraphenylethene-Based Star Shaped Porphyrins: Synthesis, Self-assembly, and Optical and Photophysical Study	Rananaware, A.; Bhosale, R. S.; Ohkubo, K.; Patil, H.; Jones, L. S.; Fukuzumi, S.; Bhosale, S. V.; Bhosale, S. V.*	*J. Org. Chem.*, **2015**, *80*, 3832-3840 *https://doi.org/10.1021/jo502760e* SJR 2024: **0.558** ***Q2***	54	4.335
91	Solvent tuned self-assembled material of chiral protoporphyrin IX L-/D-phenyl alanine derivatives	Bobe, S. R.; Al Kobaisi, M.; Bhosale, S. V.; Bhosale, S. V.*	*ChemistryOpen*, **2015**, *4*, 516-522 *DOI: 10.1002/open.201500011* SJR 2024: **0.563** ***Q2***	11	2.9
90	Synthesis and Cytotoxicity Evaluation of Certain Coumarin–α-Aminophosphonates	Matla, H.; Bhosale, R. S.; Polepalli, S.; Jain, N.; Bhosale S. V.; Bhosale, S. V.*	*Chemistry & Biology Interface*, **2015**, *5*, 6-15 *Current Chemical Biology* in **Q2**	2	
89	Wheel like supramolecular assembly of cyclam decorated gold nanoparticles induced by Cd^{2+}	Yeluri, T.; Ghule, N. V.; Bhosale, R. S.; Al Kobaisi, M.; Bhosale S. V.; Bhosale, S. V.*	*RSC. Adv.* **2015**, *5*, 21511-21514 *https://doi.org/10.1039/C5RA00777A* SJR 2024: **0.777** ***Q1***	3	4.03

88	Improvement of optoelectronic and photovoltaic properties through the insertion of a naphthalenediimide unit in donor-acceptor oligothiophenes,	Bobe, S. R.; Gupta, Akhil.; Rananaware, A.; Bilic, A.; Bhosale, S. V.; Bhosale, S. V.*	*RSC Adv.*, **2015**, *5*, 4411-4415 https://doi.org/10.1039/C4RA13588A SJR 2024: **0.777** ***Q1***	16	4.03
87	Electron, hole, singlet and triplet energy transfer in photoexcited porphyrin-naphthalenediimide dyads	Yushchenko, O.; Hangarge, R. V.; Mosquera-Vazquez, Sandra.; Bhosale, S. V.*; Vauthey, E.	*J. Phys. Chem. B* **2015**, *119*, 2434-2443 https://doi.org/10.1021/jp5108685 SJR 2024: **0.742** ***Q1***	19	3.46
86	A naphthalenediimide based fluorescent sensor for monitoring the pH within rough endoplasmic reticulum of living cells	Ghule, N. V.; Bhosale, R. S.; Kharat, K.; Puyad A. L.; Bhosale, S. V.; Bhosale, S. V.*	*ChemPlusChem* **2015**, *80*, 485-489 https://doi.org/10.1002/cplu.201402307 SJR 2024: **0.730** ***Q2***	23	2.86
85	Developments of Yoctowell Cavities as a Nano- and Bio-Technological	Rananaware, A.; Kelson, M. M. A.; Patil, H.; Raynor, A. M., La, D. D.; Jackson, S. L.; Bhosale, S. V.; Bhosale, S. V.*	*Nanoscience and Nanotechnology Letters* **2014**, *1*, 1-4 http://dx.doi.org/10.15226/2374-8141/1/3/00118 **Discontinued in Scopus as of 2017**		0.28

84	Precise aggregation-induced emission enhancement via H^+ sensing and its use in ratiometric detection of intracellular pH values	Rananaware, A.; Bhosale, R. S.; Patil, H.; Kobaisi, Al M.; Abraham, A.; Shukla, R.; Bhosale, S. V.; Bhosale, S. V.*;	*RSC Adv.*, **2014**, *4*, 59078-59082 *DOI: 10.1039/C4RA10511G* SJR 2024: **0.777** ***Q1***	40	4.03
83	Diketopyrrolopyrrole and benzothiadiazole based small molecule electron acceptor: Design, synthesis, characterization and photovoltaic properties	Raynor, A. M.; Gupta, A.; Patil, H.; Bilic, A.; Bhosale, S. V.*	*RSC Adv*., **2014**, *4*, 57635-57638 *https://doi.org/10.1039/C4RA09668A* SJR 2024: **0.777** ***Q1***	51	4.03
82	A novel donor-acceptor receptor for selective detection of $Pb^{2+}$and Fe^{3+} ions"	Nandre, K. P.; Puyad, A. L.; Bhosale, S. V.; Bhosale, S. V.*;	*Talanta*, **2014**, *130*, 103-107 *https://doi.org/10.1016/j.talanta.2014.06.064* SJR 2024: **0.976** ***Q1***	16	6.05
81	Dipyrrolyl-bis-sulfonamide-chromophore based probe for anion recognition	Ghule, N. V.; Bhosale, S. V.; Bhosale, S. V.*	*RSC Adv*., **2014**, *4*, 27112-27115 *https://doi.org/10.1039/C4RA04000G* SJR 2024: **0.777** ***Q1***	14	4.03

80	pH triggered self-assembly induced enhanced emission of phosphonic acid appended naphthalene diimide amphiphile	Nandre, K. P.; Bhosale, S. V.; Kobaisi, M. A.; Latham, K.; Bhosale, S. V.*	*RSC Adv.*,**2014**, *4*, 40381-40384 *https://doi.org/10.1039/C4RA07925F* SJR 2024: **0.777** ***Q1***	15	4.03
79	A non-fullerene electron acceptor based on fluoreneand diketopyrrolopyrrole fragments for solution-processable organic solar cells with a high open-circuit voltage up to 1.1 V	Patil, H.; Gupta, A.; Sonar, P.; Bilic, A.; Evans, R. A.; Bhosale, S. V.*	*Phys. Chem. Chem. Phys.*, **2014**, *16*, 23837–23842 *https://doi.org/10.1039/C4CP03727H* SJR 2024: **0.698** ***Q2***	75	3.67
77	Donor-acceptor-donor modular small organic molecules based on naphthalene diimide acceptor unit for solution processable photovoltaic devices	Patil, H.; Gupta, A.; Bilic, A.; Jackson, S. L.; Latham, K.; Bhosale, S. V.*	*J. Electronics Materials* **2014**, *43*, 3243-3254 *https://doi.org/10.1007/s11664-014-3243-x* SJR 2024: **0.475** ***Q2***	18	1.93
76	Controlled nanodimensional supramolecular self-assembly of a tetra-alkylated naphthalene diimide derivatives	Bhosale, S. V.; Ghule, N. V.; Kobaisi, M. A.; A. Kelson, M. M.; Bhosale, S. V.*	*Chem. Eur. J.* **2014**, *20*, 10775-10781 *https://doi.org/10.1002/chem.201304117* SJR 2024: **0.981** ***Q1***	14	4.64

75	A solution-processable electron acceptor based on diketopyrrolopyrrole and naphthalenediimide motifs for organic solar cells	Patil, H.; Gupta, A.; Subbiah, J.; Bilic, A.; Bhosale, S. V.; Bhosale, S. V.*	*Tetrahedron Lett.* **2014**, *55*, 4430-4432 *https://doi.org/10.1016/j.tetlet.2014.06.017* SJR 2024: **0.334** ***Q3***	42	2.03
75	Organogelation and Cytotoxic Evolution of Phosphonate Ester Functionalised Hydrophobic Alkanediamine Motifs	Nandre, K. P.; Bhosale, S. V.; Pombala, S.; C. Kumar, G.; Latham, K.; Bhosale, S. V.*	*Supramolecular Chemistry* **2014**, *26*, 873-881 *https://doi.org/10.1080/10610278.2014.890199* SJR 2024: **0.222** ***Q3***	2	1.32
74	Small band gap D-pi-A-pi-D benzothiadiazole derivatives with low-lying HOMO levels as potential donors for applications in organic photovoltaics: a combined experimental and theoretical investigation	Paramasivam, M.; Gupta, A. Raynor, A. M.; Bhosale, S. V.*; Bhanuprakash K.; JayathirthaRao V.	*RSC Adv.*, **2014**, *4*, 35318–35331 *DOI: 10.1039/C4RA02700K* SJR 2024: **0.777** ***Q1***	24	4.03
73	Novel organic sensitizer based on directly linked oligothiophenes to donor nitrogen atom for efficient dye-sensitized solar cells	Gupta, A.; Kelson, M.; Armel, V.; Bilic, A.; Bhosale, S. V.*;	*Synthetic Metals*, **2014**, *193* 102–109 *https://doi.org/10.1016/j.synthmet.2014.04.005* SJR 2024: **0.787** ***Q1***	6	3.26

72	Yoctowell Cavities on Magnetic Silica Nanoparticles for pH Stimuli-Responsive Controlled Release of Drug Molecules **Highlighted Journals Front Cover**	Bhosale, S. V.*	*Chem. Eur. J.* **2014**, *20*, 5253-5257 *https://doi.org/10.1002/chem.201400279* SJR 2024: **0.981** ***Q1***	9	4.64
71	N-alkylated and N-arylateddithienopyrrole-Containing Organic Dyes For Efficient Dye-Sensitized Solar Cells	Gupta, A.; Kelson, M.; Armel, V.; Bilic, A.; Bhosale, S. V.*	*Tetrahedron* **2014**, *70*, 2141-2150 SJR 2024: **0.334** ***Q3***	18	2.03
70	Excitation wavelength dependence of the charge separation pathways in tetraphorphyrin-naphthalene diimide pentads	Villamaina, D.; Kelson, M. M. A.; Bhosale, S. V.*; Vauthey, E.	*Phys. Chem. Chem. Phys.*, **2014**, *16*, 5188-5200 *https://doi.org/10.1039/C3CP54871F* SJR 2024: **0.698** ***Q2***	30	3.67
69	Yoctowells as a simple model system for the encapsulation and controlled release of bioactive molecules Highlighted Journals Front Cover; highlighted as a Hot Topic Wiley-VCH	Bhosale, S. V.; Bhosale, S. V.*;	*Sci. Rep.* **2013**, *3:*1982 *DOI: 10.1038/srep01982* SJR 2024: **0.874** ***Q1***	9	4.96
68	Combining the UV-Switchability of Keggin Ions with a Galvanic Replacement Process to Fabricate TiO_2−Polyoxometalate−Bimetal Nanocomposites for Improved Surface	Pearson, A.; Bhosale, S. V.; Bhargava, S K.; Bansal, V.	*ACS Appl. Mater. Interfaces* **2013**, *5*, 7007−7013 *https://doi.org/10.1021/am401252h*	32	10.38

	Enhanced Raman Scattering and Solar Light Photocatalysis		SJR 2024: **1.912** ***Q1***		
67	Well-organized Supramolecular Self-Assembly of a Novel Acene Diimide Derivatives	Bhosale, S. V.; Al Kobaisi, Bhosale R. S.; Bhosale, S. V.*	*RSC Adv.* **2013**, *3*, 19840-19843 *https://doi.org/10.1039/C3RA41679H* SJR 2024: **0.777** ***Q1***	13	4.03
66	Development in the drug delivery tools that transport medically active biomolecules	S. V. Bhosale, M. Aljabri, A. A. Hundal, S. L. Jackson, D. D. La, M. Salimimarand, S. V. Bhosale	*Open Access Journal of Science* **2017**, *2*, 54-56		
65	Supramolecular Chemistry of Protoporphyrin-IX and Its Derivatives **Highlighted as a Journals Front Cover**	Bhosale, S. V.*; Bhosale, S. V.; Bobe, S. R.; Shitre, G.V.; Gupta, A.	*Eur. J. Org. Chem.*, **2013**, *19*, 3939-3954 *https://doi.org/10.1002/ejoc.201300240* SJR 2024: **0.558** ***Q2***	16	3.02
64	A pyridyl-monoannulated naphthalene diimide motif self-assembled into tunable nanostructures via solvophobic control **Highlighted Journals back Cover and Editors News 2013**	Bhosale, S. V.*; Adsul, M.; Shitre, G.V.; Bobe, S. R.; Bhosale, S. V.; Privér, S.	*Chem. Eur. J.* **2013,** *19*, 7310-7313 *DOI: 10.1002/chem.201300120*	14	4.64

			SJR 2024: **0.981** ***Q1***		
63	Synthesis, crystal structure and antidiabetic activity of substituted (E)-3-(Benzo[d]thiazol-2-ylamino) phenylprop-2-en-1-one	Patil, V.S.; Nandre, K. P.; Ghose S.; Rao V. J.; Chopade, B. A.; Sridhar B.; Bhosale, S. V.; Bhosale, S. V.*	*Eur. J. Med. Chem.*, **2013**, *59*, 304-309 https://doi.org/10.1016/j.ejmech.2012.11.020 SJR 2024: **1.142** ***Q1***	69	6.51
62	Excited-state dynamics of porphyrin-naphthalenediimide-porphyrin triads	Villamaina, D.; Bhosale, S. V.*; Langford, S. J.; Vauthey, E.	*Phys. Chem. Chem. Phys.*, **2013**, *15*, 1177-1187 https://doi.org/10.1039/C2CP43595K SJR 2024: **0.698** ***Q2***	48	3.67
61	Detection of trace amount water in organic solvent by 8-hydroxypyrene -1,3,6-trisulphonic acid, trisodium salt [HPTS]	Bobe, S. R.; Shitre, G. V.; Bhosale, S. V.; Bhosale, S. V.*;	*Aus. J. Chem.* **2013**, *67*, 615-619 https://doi.org/10.1071/CH13381 SJR 2024: **0.279** ***Q3***	11	1.32
60	Kanamycin A-Gold Nanoparticles: A Receptor for Cation, Anion and Neutral Species	Nalage, S. V.; Bhosale, S. V.; Bhosale, R. S.; Bhosale, S. V.*	*J. Collod. Sci. Biotechnol.* **2013**, *2*, 1-5 *DOI:* https://doi.org/10.11	5	4.91

			66/jcsb.2013.1058 **Q1** in Biomaterials, Surfaces Discontinued		
59	Recent progress of core-substituted naphthalenediimides: highlights from 2010 **Highlighted as a Journals inside cover**	Bhosale, S. V.*; Bhosale, Si. V.; Bhargava S. K.	*Org. Biomol. Chem.* **2012**, *10*, 6455-6468 *https://doi.org/10.1039/C2OB25798J* SJR 2024: **0.600** ***Q2***	120	3.89
58	Tetrathiafulvalene-fused porphyrin via aquinoxaline linker	Jia, H.; Schmid B.; Liu S.-X. Jaggi, M.; Monbaron P.; Bhosale, S. V.*; Langford S. J.; Sanguinet L.; Levillain E.; El-Khouly M. E.; Morita Y.; Fukuzumi S.	*ChemPhysChem* **2012**, *13*, 3370-3382 *DOI: 10.1002/cphc.201200350* SJR 2024: **0.553** ***Q2***	31	3.1
57	Solvent Induced Ordered-Assembly of Highly Branched Protoporphyrin IX Derivative	Bhosale, S. V.*; Bhosale S. V.; Nalage S. V.; Booth, J. M.; Bhargava S. K.	*Supramolecular Chemistry* **2012**, *24*, 779-786 *https://doi.org/10.1080/10610278.2012.716841* SJR 2024: **0.222** ***Q3***	13	1.32
56	Kanamycin “A 6¢-pyrenylamide: A selective probe for heparin detection”	Nalage, S. V.; Bhosale, S. V.; Bhargava S. K.; Bhosale, S. V.*	*Tetrahedron Lett.*, **2012**, *53*, 2864-2867 *https://doi.org/10.1016/j.te*	12	2.03

			tlet.2012.03.123 SJR 2024: **0.334** ***Q3***		
55	Recent Development of the Yoctowells for Investigation in Nanospace	Bhosale, S. V.*; Langford, S. J.	*Chem. Soc. Rev.*, **2012**, *41*, 1637-1651 *DOI: 10.1039/c1cs15152e* SJR 2024: **11.467** ***Q1***	13	60.61
54	Fluoride-Selective Optical Sensor Based on Dipyrrolyl-tetrathiafulvalene Chromophore	Rivadehi S.; Langford S. J.; Bhosale, S. V.*; Reid E. F.; Hogan C. F.	*Org. Biomol. Chem.*, **2012** *10*, 705-709 *https://doi.org/10.1039/C1OB06459B* SJR 2024: **0.600** ***Q2***	37	3.89
53	Light-Induced Electron Transfer over Distances of 5, 10 and 15 Å within Water-filled Yoctowells Highlighted as an Editorial Choice	Bhosale, S. V.; Hackbarth S.; Langford S. J.; Bhosale, S. V.*	*Chem. Asian J.*, **2012**, *7*, 176-182 *DOI: 10.1002/asia.201100533* SJR 2024: **0.751** ***Q2***	6	4.83
52	Kanamycin A-modified gold NPs aggregate induced by DNA	Nalagea, S. V.; Bhosale, S. V.; Bhosale, S. V.*	*Nanoscience and Nanotechnology Letter*, **2012**, *4*, 1-5 *https://doi.org/10.1166/nnl.2012.1326*	5	

			Discontinued in Scopus as of 2017		
51	A One-Dimensional Superstructure from the Self-Assembly of AgNPs Induced by Cu^{2+} Ion Coordination,	Nalagea, S. V.; Ghule, N. V. Bhosale, S. V.; Bhosale, S. V.*;	*Aus. J. Chem.* **2012**, *65*, 81-85 *DOI: 10.1071/CH11250* SJR 2024: **0.279** ***Q3***	2	1.32
59	One Pot Multi-Component Synthesis of N-Substituted Decahydroacridine-1,8-Diones Catalyzed by MoO_3/SiO_2 as an Efficient and Reusable Heterogeneous Catalyst	Patil, V. S.; Nandre, K. P.; Kalyankar, M. B.; Nalagea, S. V.; Ghule, N. V.; Bhosale, S. V.; Bhosale, S. V.*	*Current Catalysis*, **2012**, *1*, 73-77 https://doi.org/10.2174/2211545511201010073 SJR 2024: **0.503** ***Q2***	1	7.92
49	Revisit: Eaton's Reagent Catalyzed Synthesis of mono and Bis-Chalcone Derivatives	Tupare, S. D.; Nalage, S. V.; Bobe, S. R.; Hallale, S. N.; Vyawahare, S. K.; Bhosale, S. V.; Dake, S. A.; Bhosale, S. V.; Pawar, R. P.	*Lett. Org. Chem.*, **2012**, *9*, 526-529 *DOI: 10.2174/157017812802139627* SJR 2024: **0.203** ***Q4***	6	0.867
48	Synthesis and glycosidase inhibitory activity of novel (2-phenyl-4H-benzopyrimedo [2,1-b]-thiazol-4-yliden) acetonitrile derivatives	Patil, V. S.; Nandre, K. P.; Ghosh, S.; Rao, V. J.; Chopade, B. A.; Bhosale, S. V.; Bhosale, S. V.*	*Bioorg. Med. Chem. Lett.*, **2012**, *22*, 7011–7014 *DOI: 10.1016/j.bmcl.2012.10.025*	25	2.82

			SJR 2024: **0.472** ***Q2***		
47	Synthesis and Morphological Study of Aminoglycosides-Modified Gold and Silver Nanoparticles	Nalagea, S. V.; Bhosale, S. V.; Bhosale, S. V.*	*The Open Nanoscience Journal*, **2011**, *5*, 78-82 *DOI: 10.2174/1874140101105010078*	5	
46	A tetrathiafulvalene-functionalized naphthalene diimide: synthesis, electrochemical and photophysical properties	Jaggi, M.; Schmid, B.; Liu, S.-X.; Bhosale, S. V.*; Rivadehi, S.; Langford, S. J.; Decurtins, S.	*Tetrahedron*, **2011**, *67*, 7231-7235 *https://doi.org/10.1016/j.tet.2011.07.069* SJR 2024: **0.426** ***Q3***	14	2.03
45	Supramolecular Construction of Vesicles Based on Core-Substituted Naphthalene Diimides Appended with Triethyleneglycol Motifs **Highlighted as a Journals Back Cover**	Bhosale, S. V.*; Jani, C. H.; Lalander, C. H.; Langford, S. J.; Nerush, I.; Shapter, J.; Villamaina, D.; Vauthey, E.	*Chem. Commun.* **2011**, *47*, 8226-8228 *https://doi.org/10.1039/C1CC11318F* SJR 2024: **1.037** ***Q1***	67	6.06
44	Supramolecular Self-assembled Nanowires by the Aggregation of Protoporphyrin Derivative in Lowpolarity Solvents	Bhosale, S. V.*; Kalyankar M. B.; Bhosale S. V.; Lalander C. H.; Langford S. J.	*Supramolecular Chemistry*, **2011**, *23*, 563-569 *https://doi.org/10.1080/10610278.2011.575467*	13	1.68

			SJR 2024: **0.222** ***Q3***		
43	A chemodosimer based on a core-substituted naphthalene diimide for fluoride ion detection	Dale, B.; Bhosale, S. V.*; Langford S. J.	*Tetrahedron Lett.* **2011**, *52*, 1990-1992 *https://doi.org/10.1016/j.tetlet.2011.02.080* SJR 2024: **0.334** ***Q3***	90	2.03
42	Ultrafast excited-state dynamics of strongly coupled porphyrin/core substituted-naphthalene dimiide dyads	Bajerji, N; Bhosale, S. V.*; Petkova, I.; Langford S. J.; Vauthey, E.	*Phys. Chem. Chem. Phys.*, **2010**, *13*, 1019-1029 *DOI: 10.1039/c0cp01544j* SJR 2024: **0.698** ***Q2***	55	3.94
41	Melt-Induced Fluorescent Signature in a Simple Naphthalenediimide Highlighted as a Journals Inside Cover	Bell, T.D.M.; Bhosale, S. V.; Forsyth C. M.; Hayne H; Ghiggno, K. P.; Hutchison J. A.; Jani C. H.; Langford, S. J.; Lee M. A.P, Woodward C. P.	*Chem. Commun.* **2010**, *46*, 4881–4883 *DOI: 10.1039/c0cc00865f* SJR 2024: **1.037** ***Q1***	61	6.06
40	Solvophobic Control of Core-Substituted Naphthalene Diimide Nanostructures	Bhosale, S. V.*; Jani, C.; Lalander, C. H.; Langford, S. J.	*Chem. Commun.* **2010**, *46*, 973-975 *https://doi.org/10.1039/B920015K*	58	6.06

			SJR 2024: **1.037** ***Q1***		
39	A Study on Novel Core-Substituted Naphthalene Diimides via Suzuki Cross-Coupling and their Properties Top Ten in July 2009	Bhosale, S. V.*; Kalyankar, M. B.; Bhosale, S. V.; Langford, S. J.; Reid, E. F.; Hogan C. F.	*New. J. Chem.* **2009**, *33*, 2409-2413 *https://doi.org/10.1039/B9NJ00476A* SJR 2024: **0.493** ***Q2***		3.92
38	Construction of trimeric porphyrin-fullerene-porphyrin stacks within surface-derived pores of nanoscale dimensions Highlighted as a Journals Cover, Hot article, News in German newspaper: http://www.chemeurope.com/en/news/100892/fullerenes-well-trapped.html.	Bhosale, S. V.*; Langford, S. J.; Bhosale S. V.; Krsta, D.	*Chem. Commun.* **2009**, 3166-3168 *DOI: 10.1039/b903699g* SJR 2024: **1.037** ***Q1***	5	6.06
37	Synthesis and Supramolecular Properties of a Novel Octaphosphonate Porphyrin	Bhosale, S. V.*; Kalyankar, M. B.; Langford, S. J.; Bhosale S. V. Oliver R. F.	*Eur. J. Org. Chem.* **2009**, 4128-4134 *DOI:10.1002/ejoc.200900589* SJR 2024: **0.558** ***Q2***	9	3.26
36	Comparative Binding Study of Neurotransmitters in Hydrophobic and Hydrophilic Yoctowells in Water	Bhosale, S. V.*; Langford, S. J.; Bhosale S. V.	*Supramolecular Chemistry* **2009**, *21*, 18-23 *https://doi.org/10.1080/10610270802438838*	10	1.68

			SJR 2024: **0.222** ***Q3***		
35	HPMC-Salicylate Conjugates as Macromolecular Prodrugs: Design, Characterization, and Nano-Rods Formation,	Hussain, A.; Badshah, M.; Iqbal, M.; Tahir, M.; Tremel. W.; Bhosale, S. V.; Sher, M. Haseeb, M.	*J. Polym. Sci. Part A: Polym. Chem.*, **2009**, *47*, 4202-4208 *https://doi.org/10.1002/pola.23463*	21	2.7
34	Synthesis and Photophysics of Core-Substituted NDI: Fluorophores for Single Molecule Applications **Highlighted as a Journals Cover**	Bell, T.D.M.; Yap, S.; Jani, C. H.; Bhosale, S. V.; Hofkens, J.; De Schryver, F.C.; Langford, S. J.; Ghiggno, K. P.	*Chem. Asian J.* **2009**, *4*, 1542-1550 *DOI: 10.1002/asia.200900215* SJR 2024: **0.751** ***Q2***	76	4.83
33	Synthesis and Photophysical Properties of a conformationally flexible Mixed Porphyrin Star-Pentamer	Bell, T. D. M.; Bhosale, S. V.; Ghiggino, K. P.; Langford, S. J.; Woodward, C. P.	*Aus. J. Chem.* **2009**, *62*, 692–699 *DOI: 10.1071/CH09142* SJR 2024: **0.279** ***Q3***	10	1.32
32	Life cycle assessment in the minerals and metals sector: a critical review of selected issues and challenges	Yellishetty, M.; Ranjith, P. G.; Bell, Tharumarajah, A.; Bhosale, S. V.	*Int. J. Life Cycle Assess.*, **2009**, *14*, 257-267 *DOI: 10.1007/s11367-009-0060-1* SJR 2024: **1.393** ***Q1***	85	5.25

31	Chemistry of Naphthalene diimides **Top Ten of 2008**	Bhosale, S. V.*; Jani, C.; Langford, S	*Chem. Soc. Rev.* **2008,** *37*, 331-342 *https://doi.org/10.1039/B615857A* SJR 2024: **11.467** ***Q1***	821	60.61
30	Photophysics of Soret-Excited Tetrapyrroles in Solution. II. Effects of Perdeuteration, Substituent Nature and Position, and Macrocycle Structure and Conformation in Zinc (II) Porphyrins	Liu, X.; Tripathy, U.; Bhosale, S. V.*; Langford, S. J.; Steer, R. P.	*J. Phys. Chem. A* **2008**, *112*, 8986-8998 *DOI: 10.1021/jp804792x* SJR 2024: **0.634** ***Q2***	77	2.94
29	Investigations of Rotamers in Diaxial Sn(IV)porphyrin Phenolates - Towards a Molecular Timepiec”	Bhosale, S. V.; Chong, C.; Forsyth, C.; Langford, S. J.; Woodward, C. P.	*Tetrahedron* **2008**, *64*, 8394-8401 *https://doi.org/10.1016/j.tet.2008.05.127* SJR 2024: **0.426** ***Q3***	36	2.03
28	Designing Functionalised Porphyrins Capable of Pseudo-2D Self-Assembly on Surfaces	Bhosale, S. V.; Neville, S.; Forsyth, C.; Shapter, J.; Weeks, L.; Bissett, M.; Woodward, C.; Langford, S.	*Org. Lett.* **2008,** *10*, 2943-2946 *https://doi.org/10.1021/ol800895q* SJR 2024: **1.235** ***Q1***	9	6.07
Publications during Postdoctoral and PhD study (No. 27)					

27	Ultrafast photoinduced charge separation in naphthalene diimide based multichromophoric systems in liquid solutions and in a lipid membrane	Fürstenberg, A.; Banerj, N.; Bhosale, S. V.; Sisson A.; Sakai, N.; Matile, S.; Vauthey, E.	*J. Phys. Chem. B*, **2008**, *112*, 8912-8922 *DOI: 10.102 1/jp801276p* SJR 2024: **0.742** ***Q1***	68	3.46
26	CD Methods Development at the Bio-Nano Interface	Hennig, A.; Bhosale, S. V.; Sakai, N. and Matile S.	*Chimia* **2008**, *62*, 493-496 *DOI: 10.253 3/chimia.200 8.493* SJR 2024: **0.327** ***Q3***	3	1.5
25	The development of yoctowells as a basis for modeling biological systems	Bhosale, S. V.*; Langford, S. J.	*Org. Biomol. Chem.* **2007**, *5*, 3733-3744 *DOI: 10.103 9/b712821e* SJR 2024: **0.600** ***Q2***	11	3.89
24	Rigid-rod push–pull naphthalenediimide photosystems	Sakai, N.; Sisson A.; Bhosale, S. V.; Fürstenberg, A.; Banerj, N.; Vauthey, E.; Matile, S.	*Org. Biomol. Chem.*, **2007**, *5*, 2560-2563 *https://doi.org/10.1039/B708449H* SJR 2024: **0.600** ***Q2***	21	3.89
23	Synthetic Multifunctional Nanoarchitecture in Lipid Bilayers: Ion Channels, Sensors, and Photosystems	Bhosale, R.; Bhosale, S. V.; Guillaume, B.; Gorteau, V.; Julliard, M. D.; Litvinchuk, S.; Mareda, J.; Matile, S.; Miyatake, T.;	*Bull. Chem. Soc. J.*, **2007**, *80*, 1044-1057 *https://doi.org/10.1246/bcsj.80.1044*	2	5.12

		Mora, F.; Perez-Velasco, A.; Sakai, N.; Sission, A. L.; Tanaka, H.; Tran. D.-H.	SJR 2024: **0.678** ***Q2***		
22	β-Cyclodextrine as a Catalyst in Organic Synthesis	Bhosale, S. V.*; Bhosale, S.	*Mini-Rev. Org. Chem.*, **2007**, *4*, 143-157 *DOI: https://doi.org/10.2174/157019307781369922* SJR 2024: **0.353** ***Q3***	64	2.49
21	Photoproduction of Proton Gradients with π-Stacked Fluorophore Scaffolds in Lipid Bilayers News in C&E and German newspaper. Also highlighted in Science, 2006, 313, 51-52; by Kinbara, K.; Aida, T. "From Electron Pump to Proton Channel". IF: 33.611; Journal Ranking 2/57 Multidisciplinary Sciences	Bhosale, S. V.; Sisson A.; Talukdar, P.; Fürstenberg, A.; Banerj, N.; Vauthey, E.; Bollot S.; Mareda, J.; Röger, C.; Würthner, F.; Sakai, N.; Matile, S.	*Science* **2006,** *313*, 84-86 *DOI: 10.1126/science.1126524* SJR 2024: **10.416** ***Q1***	426	47.72
20	Synthetic Functional π-Stack Architecture in Lipid Bilayers **Highlighted as a Journals Front Cover**	Bhosale, S. V.; Sisson A.; Sakai, N.; Matile, S.	*Org. Biomol. Chem.* **2006**, *4*, 3031–3039 *DOI: 10.1039/b606487f* SJR 2024: **0.600** ***Q2***	60	3.89

19	Synthetic Ion Channels and Pores (2004 - 2005) Critical Review, Journals Front Cover	Sisson, A. L.; Shah, M. R.; Bhosale, S. V.; Matile, S.	*Chem. Soc. Rev.* **2006**, *35*, 1269-1286 *https://doi.org/10.1039/B512423A* SJR 2024: **11.467** ***Q1***	256	60.61
18	Hydrophilic and Hydrophobic Yoctowell as a Receptor for Single, Water-soluble Molecules,	Bhosale, S.; Bhosale, S. V.; Wang, T.; Fuhrhop, J.-H.	*J. Am. Chem. Soc.* **2006**, *128*, 2156-2157 *https://doi.org/10.1021/ja053816e* SJR 2024: **5.554** ***Q1***	23	16.38
17	Protection and Deprotection of Acetals by Using MoO_3/SiO_2	Bhosale, R. S.; Bhosale, S. V.; Bhosale, S. V.; Hashmi, A. M.; Dongare, M. K.	*Syn. Comm.*, **2006**, *36*, 659-663 *DOI: 10.1080/15459620500408868* SJR 2024: **0.322** ***Q3***	7	2
16	A Simple Method to Identify Supramolecular in Action: Hill Coefficient for Exergonic Self-Assembly	Bhosale, S. V.; Matile, S.	*Chirality* **2006**, *18*, 91-94 *DOI: 10.1002/chir.20326* SJR 2024: **0.682** ***Q2***	132	2.18

15	Hydrophobic and Hydrophilic Yoctowells	Wang, T.; Bhosale, S. V.; Bhosale, S.; Fuhrhop J.-H.	*Acc. Chem. Res.*, **2006**, *39*, 498 –508 *DOI: 10.1021/ar050129j* SJR 2024: **5.433** ***Q1***	22	24.46
14	Counting of labeled tyrosine molecules in hydrophobic yoctolitre wells filled with water	Bhosale, S. V.; Li, G.; Li, F.; Wang, T.; Ludwig, R.; Emmler, T.; Buntkowsky, G.; Fuhrhop, J.-H.	*Chem. Commun.* **2005**, 2559-3561 *https://doi.org/10.1039/B503141A* SJR 2024: **1.037** ***Q1***	11	6.06
13	Conducting Polythiophenes with a Broad Spectrum of Reactive Groups	Li, G.; Bhosale, S. V.; Tao, S.; Bhosale, S.; Fuhrhop, J.-H.	*J. Polym. Sci. Part A: Polym. Chem.* **2005**, *43*, 4547-4558 *https://doi.org/10.1002/pola.20928*	18	2.7
12	Very Stable, Highly Electroactive Polymers of Zinc (II)-5,15-Bisthienylphenyl Porphyrin Exhibiting Charge-Trapping Effects	Li, G.; Bhosale, S. V.; Bhosale, S.; Li, F.; Zhang, Y.; Guo, R.; Fuhrhop, J.-H.	*Polymer* **2005**, *46*, 5299-5307 *DOI: 10.1016/j.polymer.2005.04.029* SJR 2024: **0.843** ***Q1***	48	4.43
11	Slow Motion, Trapping and Sorting of Water- and Chloroform-Soluble Porphyrins in Nanowells	Bhosale, S. V.; Bhosale, S.; Wang, T.; Li, G.; Siggel, U.; Fuhrhop J.-H.	*J. Am. Chem. Soc.* **2004**, *126*, 13111-13118 *DOI: 10.1021/ja048310v*	21	16.38

			SJR 2024: **5.554** ***Q1***		
10	Short- and Long-distance Porphyrin Heterodimers in Bulk Aqueous Solution and Nanowells	Fuhrhop, J.-H.; Wang, T.; Bhosale, S.; Bhosale, S.	*J. Porphyr. Phthalocyanines* **2004**, *8*, 120-124 *https://doi.org/10.1142/S1088424604000118* SJR 2024: **0.228** ***Q3***	2	1.91
9	Template Synthesis of Functionalized Polystyrene in Ordered Silicate Channels	Li, G.; Bhosale, S. V.; Bhosale, S.; Li, F.; Zhang, Y.; Guo, R.; Zhu H.; Fuhrhop, J.-H.	*Chem. Commun.* **2004**, 1760-1761 *https://doi.org/10.1039/B402794A* SJR 2024: **1.037** ***Q1***	8	6.06
8	Porphyrin-Acetylene-Thiophene Polymer Wires	Li, G.; Wang, T.; Schulz, A.; Bhosale, S. V.; Lauer, M.; Espindola, P.; Heinze, J.; Fuhrhop, J.-H.	*Chem. Commun.* **2004**, 552-553 *DOI: 10.1039/b313415f* SJR 2024: **1.037** ***Q1***	22	6.06
7	Iodine-Catalyzed Synthesis of beta-Keto Enol Ethers	Bhosale, R.; Bhosale, S.; Bhosale, S. V.; Wang, T.; Zubaidha, P. K.	*Terahedron Lett.* **2004**, *45*, 7187-7188 *https://doi.org/10.1016/j.tetlet.2004.08.044*	70	2.03

6	An Efficient, High Yield Protocol for One-Pot Synthesis of Dihydropyrimidin-2(1H)-ones Catalyzed by Iodine	Bhosale, R.; Bhosale, S.; Bhosale, S. V.; Wang, T.; Zubaidha, P. K.	*Tetrahedron Lett.* **2004**, *45*, 9111-9113 *https://doi.org/10.1016/j.tetlet.2004.10.021* SJR 2024: **0.334** ***Q3***	102	2.03
5	Nanowells on Silica Particles in Water Containing Long-Distance Porphyrin Heterodimers	Li, G.; Bhosale, S. V.; Wang, T.; Hackbarth, S.; Roeder, B.; Siggel, U.; Fuhrhop, J.-H.	*J. Am. Chem. Soc.* **2003**, *125*, 10693-10702 *https://doi.org/10.1021/ja035558w* SJR 2024: **5.554** ***Q1***	36	16.38
4	Gram-Scale Synthesis of Submicrometer-Long Polythiophene Wires in Mesoporous Silica Matrices Highlighted in Angew. Chem. Int. Ed. 2003, 42, 4430-4432 as a title: Insulated Nanowire Bundles through Consecutive Template Synthesis. IF: 11.709; Journal Ranking 13/157 Chemistry, Multidisciplinary	Li, G.; Bhosale, S. V.; Wang, T.; Zhang, Y.; Zhu, H. Fuhrhop, J.-H.	*Angew. Chem. Int. Ed.* **2003**, *42*, 3818-3821 *https://doi.org/10.1002/anie.200351158* SJR 2024: **5.550** ***Q1***	91	16.82
3	Completely Reversible Aggregation of Nanoparticles by Varying the pH	Li, G.; Wang, T.; Bhosale, S. V.; Zhang, Y.; Zhu, H.; Fuhrhop, J. -H.	*Coll. Polym. Sci.* **2003**, *281*, 1099-1103 *10.1007/s00396-003-0882-5*	22	2.43

			SJR 2024: **0.431** ***Q2***		
2	Redox Active p-Nitrophenyl Units Bound to Electrodeposited Conducting Polythiophene Films	Li, G.; Kossmehl, G.; Zhang, Y.; Bhosale, S. V.; Plieth, W.	*Polym Bull.* **2003**, *51*, 217-224 *10.1007/s00289-003-0215-3* SJR 2024: **0.658** ***Q2***	2	2.84
1	A facile and selective deprotection of tert-butyldimethylsilyl ethers of phenols using triethylamine N-oxide	Zubaidha, P. K.; Bhosale, S. V.; Hashmi, A. M.	*Tetrahedron Lett.* **2002**, *43 (40)*, 7277-7279 *https://doi.org/10.1016/S0040-4039(02)01452-1* SJR 2024: **0.334** ***Q3***	20	2.03

Conferences/Workshops/Invited talk:

1. Co-Chair and Delivered a Key Note Address on Organic Functional Material and Co-Chair the conference at Advanced Materials and Sustainable Development". iCAMSD 2026, Ton Duc Thang University, Ho Chi Minh City, Viet Nam, **12-15, July 2026.**
2. Delivered a talk as a Resource Person on Future Innovation in Material Chemistry sponsored by Pradhan Mantri Uchchatar Shiksha Abhiyan (**PM-USHA**) at Panmashri Vikhe Patil College of Arts, Science & Commerce for National Seminar as "Powering the Future: Innovations in Materials Science (PFIMS)" held on **13-14 March 2026**. At Loni Kd., Taluka-Rahata District : Ahmednagar Maharashtra, India
3. Delivered a talk as a Resource Person and Key Note Address on Emerging Trends in Material Chemistry using Small Organic Molecules at National Conference on "Emerging Trends in Basic and Applied Sciences (ETBAS-2026) at Chaatrapti Shivajiraje Mahavidyalaya, Udgir, Dated: **February 9, 2026**.
4. Delivered a talk as a Resource Person on Today's Chemistry for Tomorrows Developments in One Day Multidisciplinary National Conference on Science, Society & Rural Development: A Holistic

Approach (SSRDHA-2026) organised by Plate Babasaheb Deshmukh Gorthekar ACS Mahavidyalaya, Umari, Dist. Nanded (MS) on **31st January 2026**, sponsored by Pradhan Mantri Uchchatar Shiksha Abhiyan (**PM-USHA**)

5. ***Delivered Prof. Wahid Uddin Malik Memorable Award lecture*** for significant contribution in the field of Chemistry in the 44th Annual National Conference of Indian Council of Chemistry held at School of Advanced Sciences, KLE Technology University, Hubballi, Karnataka, December 22 to December 24, 2025
6. Delivered a talk as a Resource person on Research Methodology sponsored by Pradhan Mantri Uchchatar Shiksha Abhiyan (**PM-USHA**) at Deogiri College, Aurangabad, Dated: **25/11/2025**
7. Delivered Invited talk on Teachers Day and International Student Day at Sharnbasveshwar Residentian composite pre-University College, Kalaburagi, dated **15 Oct. 2025**
8. **Prof. S. V. Bhosale**, delivered an invited talk on Development of Nano- & Biotechnological Tools using Supramolecular Chemistry, as 6 days online Faculty Development Program on from Ideas to Innovation in the Refresher course at Nagesh Karajagi Orchid College of Engineering and Technology, Solapur, Maharashtra, **23/01/2025**.
9. **Prof. S. V. Bhosale**, delivered Invited talk on Creating Nanostructures on Nanoscale Level at Two Day's National Conference on "Sustainable Development and Scientific Synergies for the Future (SDSSF 2025) at Yeshwantrao Chavan Warana Mahavidyalaya, Warananagar, Kolhapur (Maharashtra) on **21/02/2025**.
10. **Prof. S. V. Bhosale**, delivered Invited talk on Research Methodology and Research Paper Writing, at Rajarshi Shahu Mahavidyalaya, Latur (Maharashtra) on **27/02/2025**.
11. Resource Person for the Technical Session held on **21/02/2025** at National conference on Sustainable Development and Scientific Synergies for the Future (SDSSF 2025) sponsored by *Yashwantrao Chavan Warana Mahavidyalaya, Warananagar*
12. **Prof. S. V. Bhosale**, delivered Invited talk as a Resource Person, "Development of Nano- & Biotechnological Tools using Supramolecular Chemistry ", at National e-conference "Innovations, Sustainability & Future Growth in Science & Technology (ISFGST-2025) at Dr. Ghali College, Gadhinglaj, Kolhapur (Maharashtra) on **04/03/2025**.
13. **Prof. S. V. Bhosale**, delivered Invited talk, "Developent of Nano- & Biotechnological Tools", at Sanyay Ghodwat Institute Kolhapur (Maharashtra) on **22/02/2025**.
14. **Prof. S. V. Bhosale**, delivered Invited talk on "Nanotechanolgy is Future Prospectives ", at 3rd International Conference on "Chemistry for the Future: Pioneering Sustainable Solution (CFPSS-2025) Punyashlok Ahilyadevi Holkar, Solapur University, Solapur (Maharashtra) on **March 7-8, 2025.**
15. Delivered a Resource Person Invited talk at National conference on Material Science and Chemistry (NCMSC-2024), 4-5 October **2024,** YOGESHWARI MAHAVIDYALAYA, **PARLI ROAD, AMBAJOGAI, DIST. BEED**
16. Prof. S. V. Bhosale, delivered an invited talk as 'Resource Person' on Development of Nano- & Biotechnological Tools using Supramolecular Chemistry at Global Opportunities for Latest Developments in Chemistry and Technology-2024 (GOLD-CT-2024), KBC North Maharashtra University, Jalgaon" on 18th & 19th September, 2024
17. ***Guest speaker*** **Prof. Sheshanath Bhosale**, entitled "Development of biological tools, at the agricultural development trust's ShardaBai Pawar Mahila College, Shard Nagar, Baramati, Maharashtra, 16, March **2024**, Venue: Arts, Science and Commerce, ShardaBai Pawar Mahila College, Shard Nagar, Baramati.

18. ***Guest speaker*** **Prof. Sheshanath Bhosale**, entitled "Concept Transfers from Nature ``International conference advancement in chemical and biological research", Breaking Boundaries and Shaping the Future, dated, 8-10 February **2024**, Venue: UKA Tarsadia University, Gujrat.
19. ***Resource Person*** **Prof. Sheshanath Bhosale**, entitled "Small organic molecules for development of biological tools, at the National conference "Advances in Material Science" organised by Department of Chemistry and Cluster Research Centre, GCASCK in collaboration with Directorate of Higher Education, dated, 9-10 February **2024**, Venue: Govt. College of Arts, Science and Commerce, Khanola, Marcela, Goa.
20. **Keynote** speaker, entitled "Use of organic chemistry for the development of supramolecular chemistry", at 16, March **2024**, Venue: Maharashtra Education Society's, Abasaheb Garware College, Pune, Maharashtra.
21. Delivered Invited talk as Resource Person for online program "One Day Worksop on Material Science and Application" MSA-2023 at SGI, Atigre on 23rd December **2023**
22. Delivered an online talk Refresher course lecture on Mimicking Nature uniting Supramolecular Self-assembly, Dated 18/07/**2023**. at Dr. B. A. M. University, Aurangabad,
23. **Bhosale S. V.** "**Guest Lecture**", In the International Webinar on 'Frontiers in Chemical Research', entitled "Concepts Transfers from Nature" on **24th July, 2021** at Sahakar Maharshi Bhausaheb Santuji Thorat College of Afts, Science and Commerce, Sangmner, Dist Ahmednagar, Maharashtra, India.
24. **Bhosale S. V.** "**Guest Lecture**", "Recent Trends in Chemical science" on **30th January, 2021** at Shivraj College of Arts, Commerce and D. S. Kadam Science College, Gadhinglaj.
25. **Bhosale S. V.** "**Invited Talk**", "Chemistry for Society, Industry and Technology" E-Confernce in Department of Chemistry, Gramin (Arts, Commerce and Science) Mahavidyalaya, Vasannagar, Nanded on 20-21 January, **2021**.
26. **Bhosale S. V.** "**Keynote lecture**", "Nanomaterials for Environmental Applications (NFEA-2020)" National Conference at College of Arts and Science, Farmagudi, Goa on 28th and 29th December **2020**.
27. **Bhosale S. V.** has delivered phenomenal and worthy oral presentation "Supramolecular chemistry: new dimensions of chemistry on the nanoscale" at 3rd webinar on Nanotechnology and Nanomedicine held during October 8, **2020**, London, UK.
28. **Bhosale S. V. Invited as a Resource Person** for E-Seminar "Recent Advances in Chemical Sciences" at Department of Chemistry, Krishna Mahavidyalaya Satara on 29th August, **2020**.
29. **Bhosale S. V.** has delivered the speech in Online One Day National Webinar on "Chemical Sciences a Perfect Shield for Human Life in Pandemic Era" at Department of Chemistry, M.S.P. Mandal's Art's Commerce and Science College Kille-Dharur on 25 July **2020**.
30. **Bhosale S. V. Invited as a Resource Person** for International Webinar "Role of Nanotechnology in Health Management" at St. Ann's College for Women (autonomous) Mehdipatnam, Hyderabad on 10th and 11th July **2020**.
31. **Bhosale S. V. Invited as a Resource Person** for National Webinar "Chemistry at the Interface of Biology in Response to COVID-19" at Department of Chemistry, Shri Muktanand College Gangapur, Aurangabad on 29-30th May, **2020**.
32. **Bhosale S. V.** "**Invited Talk**", "Current Trends in Chemical Research and Technology" at Department of Chemistry and Analytical Chemistry M.S.P. Mandal's Shri Shivaji College, Parbhani on 22nd February **2020**.
33. **Bhosale S. V.** "**Resource Person**", "Intellectual Property of Right (IPR)" at Shri Shivaji College, Parbhani on 21st February **2020**.

34. **Bhosale S. V.** "**Keynote lecture**", "New Dimensions of Chemistry" at Wilson College, Mumbai on **1st Feb 2020**.
35. **Bhosale S. V.** "**Invited Talk**", "Supramolecular Chemistry: Functional Materials on Nanoscale Level" at Dr. Ambedkar college Deekshabhoomi, Nagpur on 24 January 2020.
36. **Bhosale S. V.** "**Invited Talk**", "Advanced Functional Materials (AFM-2020)" at Kamala Nehru Mahavidyalaya, Nagpur on 23rd to 25th January **2020**.
37. **Bhosale S. V.** "**Keynote lecture**", in National Conference "Emerging Trends in Chemical Sciences" at Department of Chemistry, N.E.S Science College, Nanded on 20th-21st Sept. **2019**.
38. **Bhosale S. V.** "**Resource Person**", "New Horizons on Green Chemistry and Toxicology" at D. P. Bhosale College, Koregaon, Satara on 2nd April, **2019**.
39. **Bhosale S. V.** "**Invited Talk**", "International Conference on Chemistry, Environment and Energy (ICCEE-2019)" at Department of Chemistry, Yashavantrao Chavan Institute of Science, Satara, (Autonomous) Maharashtra on 16th -18th February **2019**.
40. **Bhosale S. V.** "**Guest Lecture**", "Opportunities for P.G. Students in Research in Abroad" at Rajarshi Shahu Mahavidyalaya Latur, on 09/02/**2019**.
41. **Bhosale S. V.** "**Resource Person**", "Recent Advances in Material Science" National Conference at Field Marshal K.M. Cariappa College, Mangalore University on 5th February, **2019**.
42. **Bhosale S. V.** "**Invited Talk**", "Advanced Perspectives in Chemical, Material and Life Sciences" National Conference at Department of Chemistry, Eknath Sitaram Divekar College Varvand on 18th to 19th January, **2019**.
43. **Bhosale S. V.** "**Invited Talk**", "Exploring New Horizons in Chemical Sciences" at International Symposium, Department of Chemistry, Deogiri college, Aurangabad on 10th-12th January **2019**.
44. **Bhosale S. V.** "**Invited Talk**", "Modern Trends in Chemical Sciences including Green Chemistry" at SRM Institute of Science and Technology (Deemed University) Ramapuram Campus, Chennai on December 27-29, **2018**.
45. **Bhosale S. V.** "**Chair Person**", "International Conference on Modern Trends in Chemical Sciences Including Green Chemistry (MTCSGC-2018)" at SRM Institute of Science and Technology, Ramapuram, Chennai on 27th-29th December, 2018.
46. **Bhosale S. V.** "**Scientific Talk",** in the SPSI MACRO-2018 Conference in IISER-Pune and CSIR-NCL Pune on December 19 to 22, **2018**.
47. **Bhosale S. V.** "**Keynote lecture**", "Organic Functional Materials for Advancing technology" on Feb 2, 2018 at "3rd International Workshop on Corrosion and Protection of Materials on **Sept. 18-21, 2018** at Hanoi, Vietnam.
48. **Bhosale S. V.** "**Invited Talk**", under DBT Star College scheme at Parvatibai Chowgule College of Arts and Science Automomous, Margao, Goa, entitled "Supramolecular Chemistry: Functional Structures on the Nanoscale", on **6th September 2018**.
49. **Bhosale S. V.** "**Guest Lecture**", "Supramolecular Chemistry: Functional Structures on the Nanoscales", on **31st July 2018** at ST. Xavier's College, Mapusa-Goa.
50. **Bhosale S. V.** "**Guest Lecture**", "Concepts Transfer from Nature" at Government College of Arts, Science and Commerce, Quepem on 7th March, **2018**.
51. **Bhosale S. V.** Participated in the event "Recent trends in Chemistry, Student meet 2018 on **25th February 2018**, Department of Chemistry, BITS-Pilani, K. K. Birla Goa Campus.
52. **Bhosale S. V. Invited Guest Lecture** at National Chemical Laboratory, Pune entitled "Supramolecular Chemistry: Functional Structures on the Nanoscale" on **February 16, 2018**.

53. **Bhosale S. V. Invited as a Resource Person** for national conference "Recent Advances in Chemical and Biochecmial Sciences (**RACBS-2018**) on **February 16-17, 2018** at Arts, Commerce & Science College, Sonai, Tal. Newasa, Dist. Ahmednagar, entitled "Concepts Transfers from Nature"
54. **Bhosale S. V. Invited Plenary** talk entitled "Creating supramolecular functional structures from small organic molecules" on Feb 2, 2018 at "International Conference on Advances in Chemical Sciences **(IC-ACS 2018)**" organized by the Department of Chemistry, Shivaji University, Kolhapur 416004 during the period from **February 1-3, 2018**.
55. **Bhosale S. V. International Advisory committee** and **poster evaluation committee** at "International Conference on Advances in Chemical Sciences **(IC-ACS 2018)**" organized by the Department of Chemistry, Shivaji University, Kolhapur 416004 during the period from **February 1-3, 2018**.
56. **Bhosale S. V.** Supramolecular Chemistry: Functional Structures on the Nanoscale Level, Invited talk at IWAMSN2016 – Halong Bay, Vietnam on Nov. 8, **2016**.
57. **Bhosale S. V.** Constructing smart functional material from small organic molecules, Invited talk at 23rd IUPAC Conference on Physical Organic Chemistry (ICPOC23), 3rd–8th July 2016 Sydney, Australia.
58. **Bhosale S. V.** Functional Organic Material Based on Yoctowells, Invited talk at Institute for Frontier Materials (IFM) - Deakin University, Geelong, Australia on May 22, **2016**.
59. **Bhosale S. V.** Supramolecular Chemistry: Functional Structures on the Nanoscale Level, at International Symposium on Photonics Applications and Nanomaterials (ISPAN2015) held at Thiruvananthapuram, Kerala, India on October 28-30, **2015**.
60. **Bhosale S. V.** Vesicles made of kanamycin A 6′-pyrenylamide amphiphile in acetonitrile/water mixture, at 2nd International Workshop on Corrosion and Protection of Materials held at Hanoi, Vietnam 26-29 October **2015.**
61. **Bhosale S. V.** Constructing Smart Products from at International Smart Materials, at International Symposium on Molecular Design, RMIT University, Australia on Monday 16th November **2015**.
62. **Bhosale, S. V.** Supramolecular Chemistry: Functional Structures on the Nanoscale, at Recent Advances in NanoScience and Technology (RAINSAT-2015), deliver invited talk at Sathyabama University, India on July 8-10, **2015**.
63. Poster Presentation: Rananaware A., **Bhosale, S. V.** Turn on fluorescence in Pyridyl based tetraphenylethylene: For ratiomeric fluorescent detection of intracellular pH, at SEH College symposium HDR Student Conference, RMIT on Oct 17, **2014**.
64. **Bhosale S. V.** Supramolecular assembled yoctowells on magnetic nanoparticles as a simple model system for drug delivery, at 2nd International conference on Global Trends in Pure and Applied Chemical Sciences, Hong Kong on October 3-4, **2014**.
65. Jackson, S. L.; Rananaware, A.; Rix, C.; **Bhosale, S. V.**; Latham, K. Clathrate structural changes in novel tetrapyridyltetraphenylethylene metal organic frameworks, at 2nd International conference on Global Trends in Pure and Applied Chemical Sciences, Hong Kong on October 3-4, **2014**.
66. **Bhosale S. V.** Investigation of Yoctowells on the basis of Modeling Nanospace, at 2nd International conference on Advance Functional Material, Trivandrum, India on February 19-21, **2014**.
67. **Bhosale S. V.** "**Invited Talk**", "Career Opportunities Through Scientific Research" at sanjeevanee Mahavidyalaya Chapoli, Latur, Maharashtra on **15th January 2014**.
68. Functional Organic Material Based on Yoctowells, at RACI Biomolecular Division Conference 2013, held in Fairmont Resort Blue Mountains, New South Wales, Australia on July 14-17, **2013.**
69. **Bhosale S. V.** Functional Organic Material, at 1st International Conference on Chemistry and Material: Prospects and Prospectives 2012, held in Lucknow, India on November 14-15, **2012**.

70. **Bhosale S. V.** Attended the Australian Academy of Science Early Mid Carrier meeting at Canberra, Australia on Oct 3, **2012**.

71. **Bhosale S. V.** Delivered invited lecture at Flinders University, Adelaide, Australia on Jan 23, **2012**.

72. **Bhosale S. V.** Delivered invited lecture at RMIT University, Melbourne, Australia on Nov 21, **2011.**

73. **Bhosale S. V.** attended Nanotech India 2010, has a guest speaker and his presentation was very well appreciated and received by the audience at Gokulam Park, Kochi, Kerla, India on **19th -21st November, 2010**.

74. **Bhosale S. V.** The Development of Yoctowells to Study Surface-Engineered Phenomenon & Supramolecular Assembly of Naphthalene Diimides, at 2nd International Symposium on Nanotechnology, held in Kochi, India on November 17-19, **2010**.

75. **Bhosale S. V.** Yoctoliter-Sized Vessels as a Receptors & Nanostructured Soft Material of Core-Substituted Naphthalene Diimides, at 3rd European chemistry congress held in Nuremburg, Germany on Aug 29-Sept 3, **2010**.

76. Shortlisted for ***2010 European Young Chemist Award lecture:*** **Bhosale S. V.** Yoctoliter-Sized Vessels as a Receptors & Nanostructured Soft Material of Core-Substituted Naphthalene Diimides, at 3rd European chemistry congress held in Nuremburg, Germany on Aug 29-Sept 3, **2010**.

77. **Bhosale S. V.** Title: The development of yoctowells as a basis for modeling biological systems, at 5th International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC) held in Nara, Japan on June 6-10, **2010**.

78. **Bhosale S. V.** Concept Transfers from Nature, meeting at New York University, New York, USA on Dec. 15, **2009**.

79. **Bhosale S. V.** 34th Annual Organic Synthesis Symposium, the University of Melbourne Australia on Dec. 4, **2009.**

80. **Bhosale S. V.** Development in Utilising Yoctowell for Investigation in Nanospace, at 1st International Symposium on Nanotechnology held in Kochi, India on August **2009**.

81. **Bhosale S. V.** has attended and presented his oral presentation in nanotech 2009, an International Conference on Nanotechnology and its application at Gokulam Park, Kochi, Kerla, India on 14th - 16th August **2009**.

82. **Bhosale S. V.** "**Invited Talk**", "Current Development in Organic Supramolecular Chemistry" at Maharashtra Udaygiri Mahavidyalaya, Udgir on 06/08/**2009**.

83. **Bhosale S. V.** "**Invited Talk**", "Recent Development in Yactowell Chemistry" at Maharashtra Udaygiri Mahavidyalaya, Udgir on 05/08/**2009**.

84. **Bhosale S. V.** Yoctoliter-Sized Vessels as Receptors" at 4th International Symposium on Macrocyclic and Supramolecular Chemistry held in Maastricht, the Netherlands on July **2009**.

85. **Bhosale S. V.** Zinc-porphyrin Based Hydrophobic Yoctowells as Receptors, in RACI Organic08 held in Hobart, Tasmania, Australia on Dec. **2008**.

86. **Bhosale S. V.** Concept Transfers from Nature, at Engineering of Advanced Materials Friedrich Alexander University Erlangen-Nuremburg, Germany on Nov 25, **2008**.

87. **Bhosale S. V.** Concept Transfers from Nature, at Zernike Institute, University of Groningen, Netherland on Nov 4, **2008**.

88. **Bhosale S. V.** on the topic Concept Transfers from Nature (Yoctowell Chemistry and Chemistry of NDIs, at Symposium of Soft Matters at Freiburg Institute of Advanced Studies, Albert-Ludwig's University of Freiburg, Germany on Oct **2008**.

89. Attended 33rd Annual Synthesis Symposium (Dec. **2008**), the University of Melbourne.

90. 10 Drug Design and Nanotechnology, Nanded, India (Jan 27-29, **2008**): Rigid Rod pi-Stack for Artificial Photosynthesis and Yoctowell Based Supramoleclar Systems and Construction and Use of Yoctowells as Vessels for Sensing and Artificial Photosynthesis
91. Delivered series of invited lectures to few universities in Maharashtra state, India, namely: *Shivaji University Kolhapur; National Chemical Laboratory, Pune; Yeshwant Mahavidalaya Nanded; Dynopasak Mahavidalaya Prabhani and Maharashtra Udagari Mahavidalaya Udgir* on the topic: "Yoctowell based Supramolecular Systems and Artificial Photosynthesis with Rigid-Rod pi-Stack Architecture in Lipid Bilayer Membranes" in Nov-Dec **2007**.
92. Attended 31st Annual Synthesis Symposium (Dec **2006**), the University of Melbourne.
93. **Bhosale S. V.** Title: Transmembrane Rigid-rod π--stack Architecture for Artificial Photosynthesis, 1st European Chemistry Congress held in Budapest, Hungary on Sept **2006** and Invited for book chapter *in* Tomorrows Chemistry Today, *Wiley* **2008**.
94. **Bhosale S. V.** has been participated in the 1st European Chemistry Congress on 27-31 August 2006, at Budapest, Hungary.
95. **Invited Lecture**: **Bhosale S. V.** Rigid-Rod π-Stack Architecture for Artificial Photosynthesis in Lipid Bilayer Membranes **Oppolzer Lecture** at University of Geneva on Oct 7, **2005**.
96. **Bhosale S. V.** Transmembrane Rigid-rod π-stack Architecture, at Swiss Chemical Society Annual Fall Meeting, University of Lausanne, Oct 13, **2005**, invited to contribute to *Chimia*, **2005**, *59*, 581.
97. **Poster Presentation**: **Bhosale S. V.** 10 Cubic Nanometer Immobile Water Volume in Nanowells, at XVth International Conference on Horizon in Hydrogen Bond Research at Freie Universität Berlin on Sept. **2003**.
98. Deliver talk: **Bhosale S. V.** 10 Cubic Nanometer Immobile Water Volume in gaps, Graduate Student Research School on Hydrogen Bonding and Hydrogen Transfer, Freie Universität Berlin on Sept 15-16**, 2003**.
98. Deliver talk: **Bhosale S. V.** Counting of tyrosine molecules in 2 nm gaps by solid state NMR, at Graduate Student Research School on Hydrogen Bonding and Hydrogen Transfer, Freie Universität Berlin on June 30, **2003**.

Research Highlights

1) Research in News:

My group research efforts at RMIT have received significant media release. This is partly because I have been recognised for the high quality research undertaken by my group that has direct relevance for our communities.

i) Recent work on Yoctowell drug delivery system (*Scientific Reports* **3**, Article number: 1982

doi:10.1038/srep01982) work has been media release on following news:

1. RMIT News: http://rmit.net.au/browse;ID=u7fzgu3ftytw
2. Nursing Review, July 4, 2013; http://www.professionalpharmacy.com.au/new-technology-to-improve-healthcare/
3. Sci. Rep. News Tuesday, 02 July 2013: Science Alert: http://www.sciencealert.com.au/news/20130207-24529.html
4. News in Nano werk: http://www.nanowerk.com/news2/newsid=31121.php
5. PHYS ORG NEWS: http://phys.org/news/2013-07-drug-technology-health.html#jCp http://www.ne3ls.ca/drug-technology-to-improve-health-care/?lang=en

6. News WILBERT **Wil**dauer **B**ücher+**E**-Medien **R**echerche-**T**ool: http://wilbert.kobv.de/authorSearch.do;jsessionid=8F19C5DBDB0C5D4ED459717C086F04FB?query=Sheshanath+V.+Bhosale&plv=1
7. Mount Carmel: http://mountcarmel.salearchive.com/2013/07/05/Drug-technology-to-improve-health-care/
8. The EDGE: Science, Astronomy and Research News: http://mabsj2.blogspot.com.au/2013/07/scientific-reports-chemistry-table-of.html
9. Nanotechnology Israel News: http://www.nanotechnology.org.il/index.php?ln=en&action=news&cid=14&news=278

ii) Dr. Bhosale's work recently work on artificial flowers have been published in Nature's Sci. Rep. http://www.nature.com/articles/srep14609, and work has been highlighted in various news:

1) http://www.sciencedaily.com/releases/2015/09/150929070224.htm
2) www.mywebmemo.com/technology/blooming-microflowers-open-new-electronic-frontiers_408832.html
3) http://www.mywebmemo.com/technology/blooming-microflowers-open-new-electronic-frontiers_408832.html
4) http://medianet.com.au/releases/release-details?id=840001
5) https://www.newscientist.com/article/dn28263-first-artificial-microflowers-burst-into-bloom-in-a-few-hours/
6) http://www.electroline.com.au/content/components/news/self-assembling-microflowers-open-new-electronic-frontiers-629862154
7) http://www.businessinsider.com.au/science-has-created-tiny-artificial-flowers-which-bloom-in-three-hours-2015-9
8) Gizmodo UK, 01 Oct: http://www.gizmodo.co.uk/2015/10/these-microflowers-bloom-from-organic-chemicals-in-three-hours/
9) Gizmodo, 01 Oct: http://gizmodo.com/these-microflowers-bloom-from-organic-chemicals-in-3-ho-1733963147
10) Wired.co.uk, 02 Oct: http://www.wired.co.uk/news/archive/2015-10/01/microflowers-pictures-chemical-reaction
11) Materials Today, 03 Oct: http://www.materialstoday.com/nanomaterials/news/selfassembling-microflowers-are-blooming-lovely/
12) Mental Floss, 02 Oct http://mentalfloss.com/article/69318/chemical-reaction-creates-gorgeous-blooming-microflowers
13) Wopular, 02 Oct: http://www.wopular.com/self-assembling-artificial-microflower-blooms-three-hours
14) Wopular, 02 Oct: http://www.wopular.com/self-assembling-artificial-microflower-blooms-three-hours
15) Engadget, 04 Oct: http://www.engadget.com/2015/10/04/microflower-research/
16) Conowego.pl, 04 Oct: http://www.conowego.pl/aktualnosci/oto-kwiaty-ktorych-nie-zobaczysz-golym-okiem-14789/
17) AppleZA, 04 Oct: http://www.appleza.co.za/10-micron-wide-flowers-can-bloom-just-like-the-real-thing/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+appleza+%28AppleZA%29

18) Gizmodo Australia, 05 Oct: http://www.gizmodo.com.au/2015/10/these-microflowers-bloom-from-organic-chemicals-in-3-hours/
19) Madshrimps, 05 Oct: http://www.madshrimps.be/news/item/138619
20) http://www.independent.co.uk/news/science/science-creates-microflowers-bloom-grow-rmit-india-institute-a6679946.html
21) https://www.scimex.org/newsfeed/blooming-microflowers-open-new-electronic-frontiers
22) http://realtimenews.eu/uk/scientists-have-created-tiny-microflowers-that-can-grow-an_21479.html
23) PDM Productos Digitales Móviles, 06 Oct: http://pdm.com.co/microflores-crecen-de-quimicos-organicos-en-3-horas/

iii) Dr. Bhosale's work on pH sensor (*Chem. Eur. J.* **2013**. DOI: 10.1002/chem.201300120) has been highlighted in ChemPubSoc Europe: Tuning a pH Sensor by Anne Deveson Published Date: 11 May 2013; http://www.chemistryviews.org/details/ezine/4631241/Tuning_a_pH_Sensor.html

iv) Construction of Construction of trimeric porphyrin-fullerene-porphyrin stacks within yoctowells (*Chem. Commun.* **2009**, 3166-3168) has been **highlighted** in German newspaper: http://www.chemeurope.com/en/news/100892/fullerenes-well-trapped.html.

v) Dr. Bhosale's work on artificial photosynthesis (Science 2006) was highlighted in C&E and German newspaper. Work also highlighted in *Science*, 2006, *313*, 51-52; by Kinbara, K.; Aida, T. "From Electron Pump to Proton Channel".

vi) Dr. Bhosale's work **Semiconductive fabric soaks up oil spills while fighting bacteria and pollutants** Gizmag, 19 Apr RMIT Research (Sheshanath Bhosale)

1. *http://www.gizmag.com/semi-conductive-fabric-oil-spills/42873/*
2. *http://www.sustainabilitymatters.net.au/content/waste/news/semiconducting-nanostructures-for-mopping-up-oil-spills-605879640*
3. *http://www.gizmodo.com.au/2016/04/australian-scientists-grow-nanostructures-on-fabric-now-it-can-mop-up-oil-spills/*
4. *https://blog.csiro.au/mopping-oil-spills-nano-fabric/*

2) Cover art for the journals: Due to high quality of my research, it has been highlighted on the Cover Pages of following ~25 prestigious journals.


CHEMISTRY
A European Journal
www.chemeurj.org
2014-20/18
ChemPubSoc Europe
pH<7
Concept
Metal-Organic Frameworks: From Molecules/Metal Ions to Crystals to Superstructures
O. Magouch et al.
WILEY-VCH

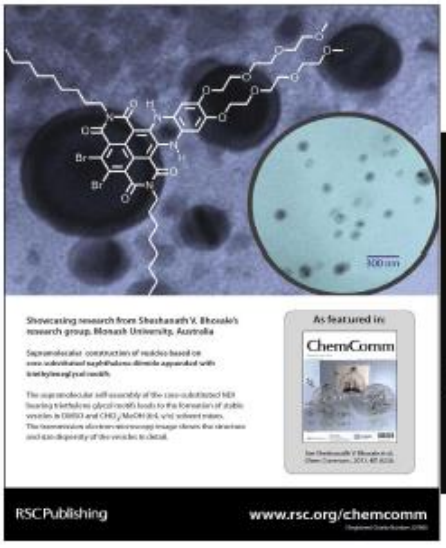

CHEMISTRY
A EUROPEAN JOURNAL
19/23
2013
HCl
TEA
MeOH
CHCl3
Solvophobic-controlled self-assembly...
ChemPubSoc Europe
WILEY-VCH

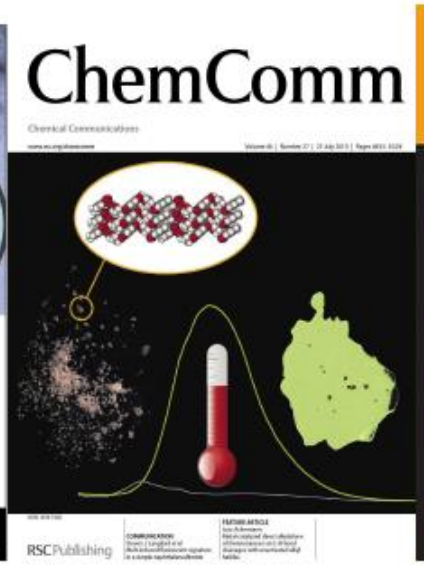

ChemComm
Chemical Communications
RSC Publishing

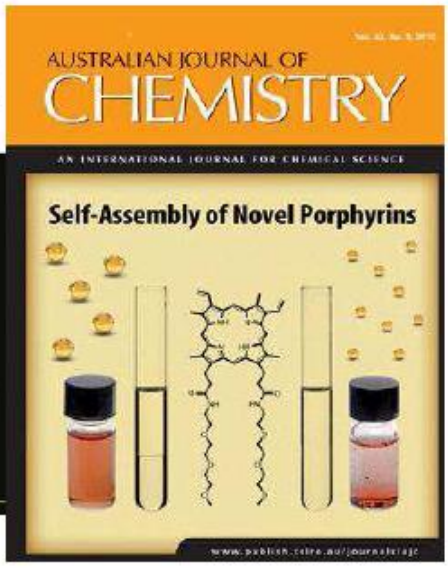

EurJOC
European Journal of Organic Chemistry
19/2013
Supramolecular Chemistry of Protoporphyrin IX and Its Derivatives
WILEY-VCH

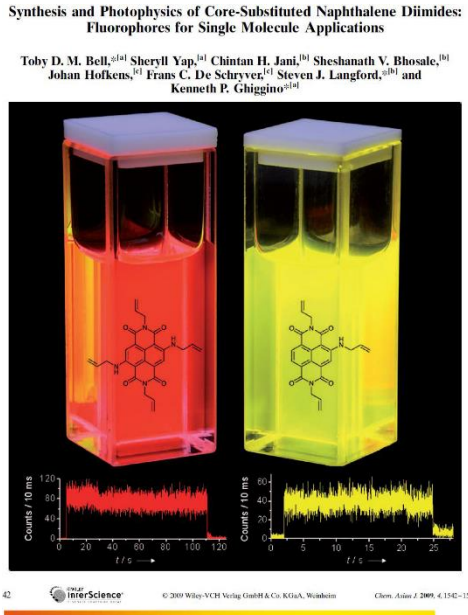

Organic & Biomolecular Chemistry
Synthetic strategy
Molecular arrangement
RSC Publishing

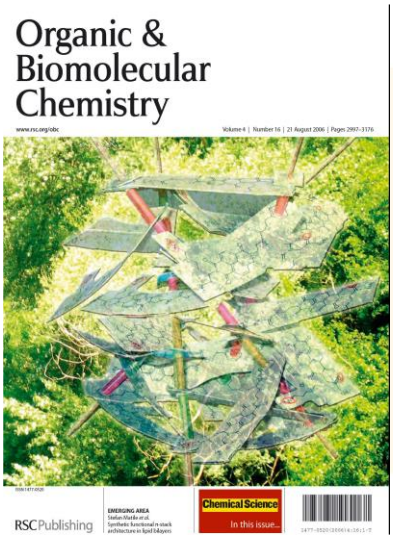

ChemComm
Chemical Communications
RSC Publishing


Showcasing research from Shashanath V. Bhosale's research group, Monash University, Australia
As featured in:
ChemComm
RSC Publishing
www.rsc.org/chemcomm

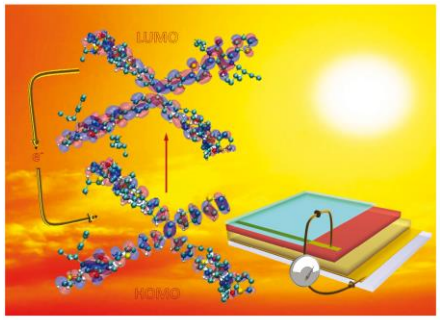

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AUSTRALIAN JOURNAL OF CHEMISTRY
AN INTERNATIONAL JOURNAL FOR CHEMICAL SCIENCE
Self-Assembly of Novel Porphyrins
www.publish.csiro.au/journals/ajc









Showcasing the work of Dr Sheshanath V. Bhosale and Dr Akhil Gupta and their research groups at RMIT and Deakin University in Australia

A four-directional non-fullerene acceptor based on tetraphenylethylene and diketopyrrolopyrrole functionalities for efficient photovoltaic devices with a high open-circuit voltage of 1.18 V

Joint work by RMIT and Deakin University groups reported a four-directional non-fullerene electron acceptor providing a PCE of 3.86% with an excellent high V_{oc} of 1.18 V with the archetypal donor P3HT.

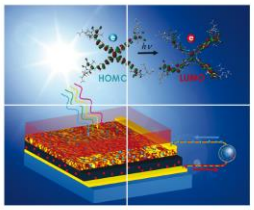
As featured in:



See Akhil Gupta, Sheshanath V. Bhosale et al., *Chem. Commun.*, 2016, **52**, 8522.

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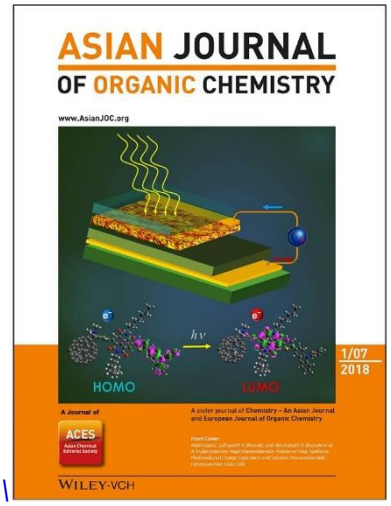


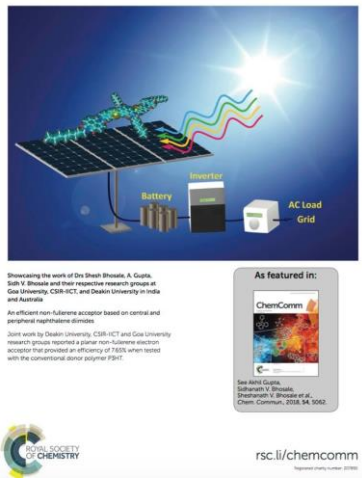
Volume 1 | Number 12 | December 2017

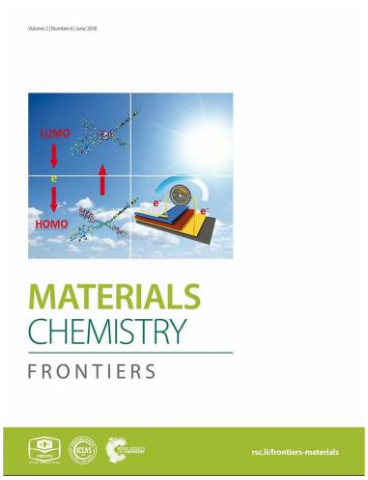
MATERIALS CHEMISTRY FRONTIERS

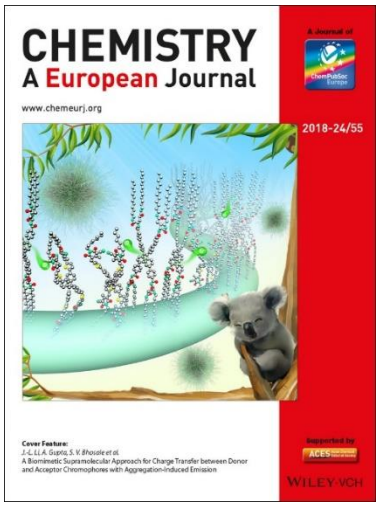
rsc.li/frontiers-materials

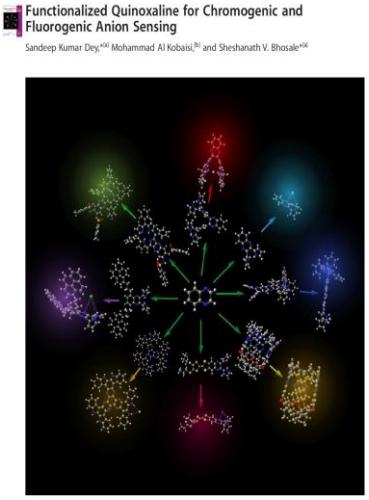


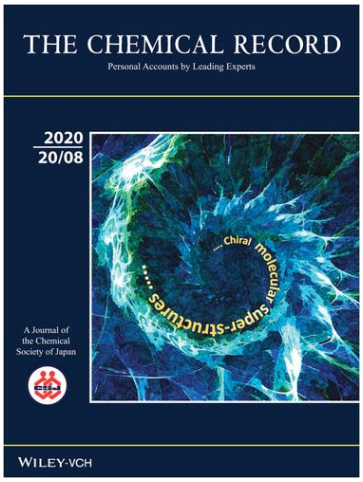

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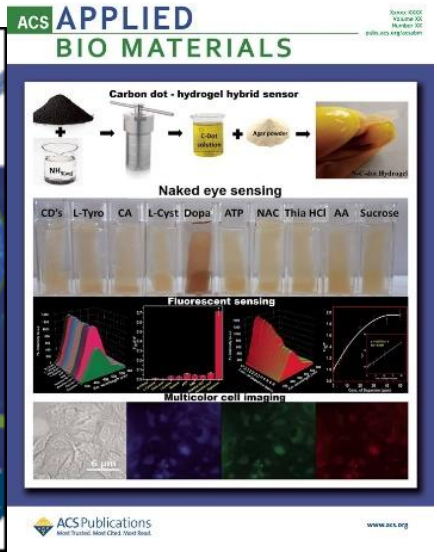

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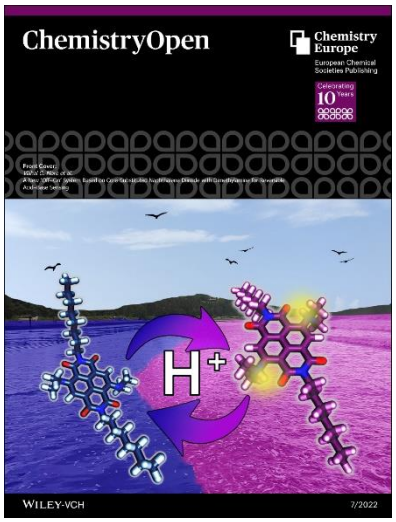

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2018-24/55
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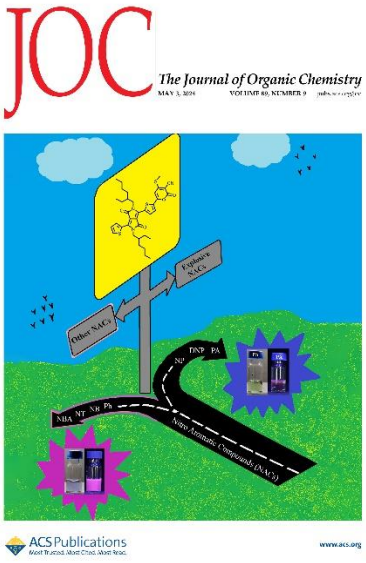

Functionalized Quinoxaline for Chromogenic and Fluorogenic Anion Sensing
Sandeep Kumar Dey, Mohammad Al Kobaisi, and Sheshanath V. Bhosale

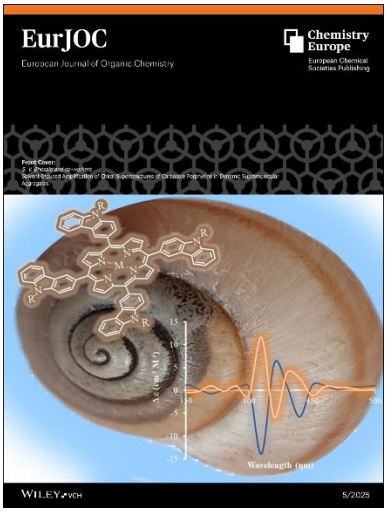

THE CHEMICAL RECORD
Personal Accounts by Leading Experts
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Chiral molecular Super-structures
A Journal of the Chemical Society of Japan
WILEY-VCH


Analytical
Methods


ACS APPLIED
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Carbon dot - hydrogel hybrid sensor
Naked eye sensing
CD's L-Tyro CA L-Cyst Dopa ATP NAC Thia HCl AA Sucrose
Fluorescent sensing
Multicolor cell imaging
ACS Publications


ChemistryOpen
Chemistry Europe
European Chemical Societies Publishing
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Declaration

I hereby declare that the information furnished above is true up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Yours sincerely



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