

Curriculum Vitae

Prof. (Dr.) Prashant V. Anbhule

M.Sc., SET, Ph.D, MBA

Professor in Organic Chemistry,

Medicinal Chemistry Research

Laboratory,

Department of Chemistry,

Shivaji University,

Kolhapur - 416 004 (MS)

INDIA

CURRICULUM VITAE



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|---------------------------------|--|
| 1. Full Name | Anbhule Prashant Vikaramrao |
| 2. Date of Birth | 02-05-1977 |
| 3. Address (R) | Rs no 8/4 plot no 34 Suramyangari apate mala
Karvir, Pachgaon Kolhapur-416013 |
| Address (O) | Department of Chemistry,
Shivaji University, Kolhapur-416004
Phone: +91 231 2609162 (O)
+91 9423717717,
Fax: +91 231 2692333
pva_chem@unishivaji.ac.in |
| 4. Current Designation | Professor in Organic Chemistry |
| 5. University Department | Department of Chemistry, Shivaji University
Kolhapur, MS, India |

6. **Educational Qualification:**

Sr. No.	Name of the Examinations	Year of Passing	Name of the University
1.	M.Sc.	2000	Shivaji University, Kolhapur, MS, India
2.	Ph.D. Title of the thesis “Synthesis and QSAR study of some new pyrimidine derivatives” Research Guide: Prof. M. B. Deshmukh	2007	Shivaji University, Kolhapur, MS, India
3.	MH-SET	2002	SPPU Pune, India
4.	MBA in Higher Education	2023	

7. **Research work guidance:**

- a. **Ph.D.:** 24 students (18 Degrees awarded; 06 Working)
- b. **M.Sc.:** About 100 students> projects are completed

Teaching Experience: (24 Years PG)

- ♣ Professor of Organic Chemistry in Department of Chemistry, Shivaji University, Kolhapur. Since 21st March, 2016 to till date.
- ♣ Associate Professor Department of Chemistry, Shivaji University, Kolhapur. Since 21st March, 2013 to 20th March 2016.
- ♣ Lecturer: Department of Chemistry since 26th June 2003 to 20th March 2013.

Research Interest: Synthetic Methodology, Heterocyclic Chemistry, AIE materials,

Medicinal Chemistry, Mesoporous carbon nanomaterials, etc.

8. Positions Held:

Designation	From	To	Name of the Institution
Professor	21.03.2016	Present	Shivaji University, Kolhapur
Associate Professor	21.03.2013	20.03.2016	Shivaji University, Kolhapur
Lecturer	26.06.2003	20.03.2013	Shivaji University, Kolhapur
SET Coordinator	April 2016	Present	Shivaji University, Kolhapur
Co-ordinator	April 2016	Present	“Research Initiation Scheme for Young Teachers” of Shivaji University, Kolhapur, India
Rector	2011	2016	Shivaji University, Kolhapur
NSS Programme Officer	2011	2015	Shivaji University, Kolhapur

9. No. of Research Publications:

	International Journals	National Journals	Uni/State level Journals/ Seminar Proceedings	Total
a. Published	154	04	01	159
b. Patents	06	01	--	07
c. Book/Chapters	02	01	01	04
Total	154	10	02	170

10. Individual Research Projects:

Title of Project / Scheme	Funding Agency	Funds Received	Date of Starting	Date of Ending	P.I./Co-P.I.
1. Synthesis, Characterization and Bioactivity of Nitrogen containing heterocycles	UGC, New Delhi	8,48,111/-	Feb. 2011	Jan. 2014	P.I.
2. Synthesis, Characterization and fluorescence study of metal nanoparticles	BRNS, Mumbai.	22,14,000/-	Feb. 2011	Jan. 2014	P.I.
3. Design and Synthesis of Some New Largazole Analogues as Potential Anticancer Agents	RGSTC, Mumbai.	11,82,000/-	Oct. 2016	Sept.2018	P.I.
4. Preparation, Characterization and Applications of Mesoporous Carbon Nanomaterials	Research Strengthening Scheme, Shivaji University Kolhapur	2,60,000	Mar. 2019	Mar. 2022	P.I.
Total (Rs.)		45,04,111/-	Rs. Forty-five lakhs four thousand one hundred eleven		

11. Awards

- **Fellow of Maharashtra** Maharashtra Academy of Sciences, India
Academy of Sciences-2023

Patent: Indian

- **Title:** Waste Tea Residue Derived Carbon Nanodots Enhance Productivity In

Fenugreek By Improving Chlorophyll and Mineral Uptake.

Application Number: 201921021629 **Patent Number:** 445678

Patent: (UK Design)

- **Title:** Apparatus for Synthesis of Mesoporous Carbon Coated Tungsten Oxide.
Design number: 6400614 **Grant date:** 18 November 2024
- **Title:** Biomass-Derived Carbon Cerium Dioxide Electrode for Energy Storage device
Design number: 6483477 **Grant date:** 10 November 2025
- **Title:** Carbon Encapsulated Bio-nanorod Device
Design number: 6483583 **Grant date:** 10 November 2025
- **Title:** Gold-Integrated Nickel Oxide Nanoporous Electrode device
Design number: 6483560 **Grant date:** 10 November 2025

12. ACADEMIC RESPONSIBILITIES IN OTHER UNIVERSITY:

- **Member, Board of Examination, Shivaji University, Kolhapur since 2017 to June 2022.**
- **Member:** Board of Examination and Evaluation (BOE): Kuvempu University, Shankarghatta, Shimoga, Karnataka State (2020 onwards)
- **Member, Board of Studies (BOS):** Bharathiar University, Coimbatore, Tamilnadu. (2020 onwards)
- **Member:** Akkamahadevi Womens University, Vijapur, Karnataka State (2018 onwards)
- **Examiner / Referee for Ph D in Chemistry in India:** 1) Gulberga University, Gulberga 2) Solapur University, Solapur 3) Kuvempu University, Shimoga 4) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 5) Savitribai Phule Pune University, Pune, 6) Mysore University, Mysore 7) Bhartiya University, Coimbatore, Tamilnadu, 8) Karanataka University, Dharwad. 9.) Kavayatri Bahinabai Choudhari North Maharashtra University, Jalgaon etc. 11) Mumbai University, Mumbai 12) Cochin University of Science and Technology, Cochin 13) Andhra University, Vishakhapatnam.
- **Examiner / Referee for Ph D in Chemistry in Abroad**
1.RMIT University, Melbourne, Australia.

13.

ADMINISTRATIVE RESPONSIBILITIES:

- 1) **Co-ordinator: Applied Chemsitry, August 2023 to till date.**

- 2) **Co-ordinator:** “SET Examination” for Shivaji University, Kolhapur since April 2016.
- 3) **Co-ordinator:** “Research Initiation Scheme for Young Teachers” of Shivaji University, Kolhapur since April 2016.

14. Indian Patents: (Filed)

1. Method for deriving mesoporous carbon from plant source for multimodal Bioactivities (App. No. 202321042738)
1. Carbon dots-Fe³⁺ system as a dual probe for the selective determination of D-penicillamine. (App. No. 201721041497)
3. Quick and low-cost simultaneous synthesis of sulphur doped carbon dots (S-Cdots) for the detection of Fe³⁺ ions and activated carbon (AC) for dye adsorption in high acid environment by simple acidic carbonization of sucrose. (App. No. 201721041508)
4. Nitrogen-doped carbon dot hydrogel as a naked-eye fluorescent sensor for detection of dopamine (App. No. 201921003890)
5. Synthesis and characterization of highly fluorescent sulfur-doped carbon dots for multiple ion detection (App. No. 202321036168)

15. Books:

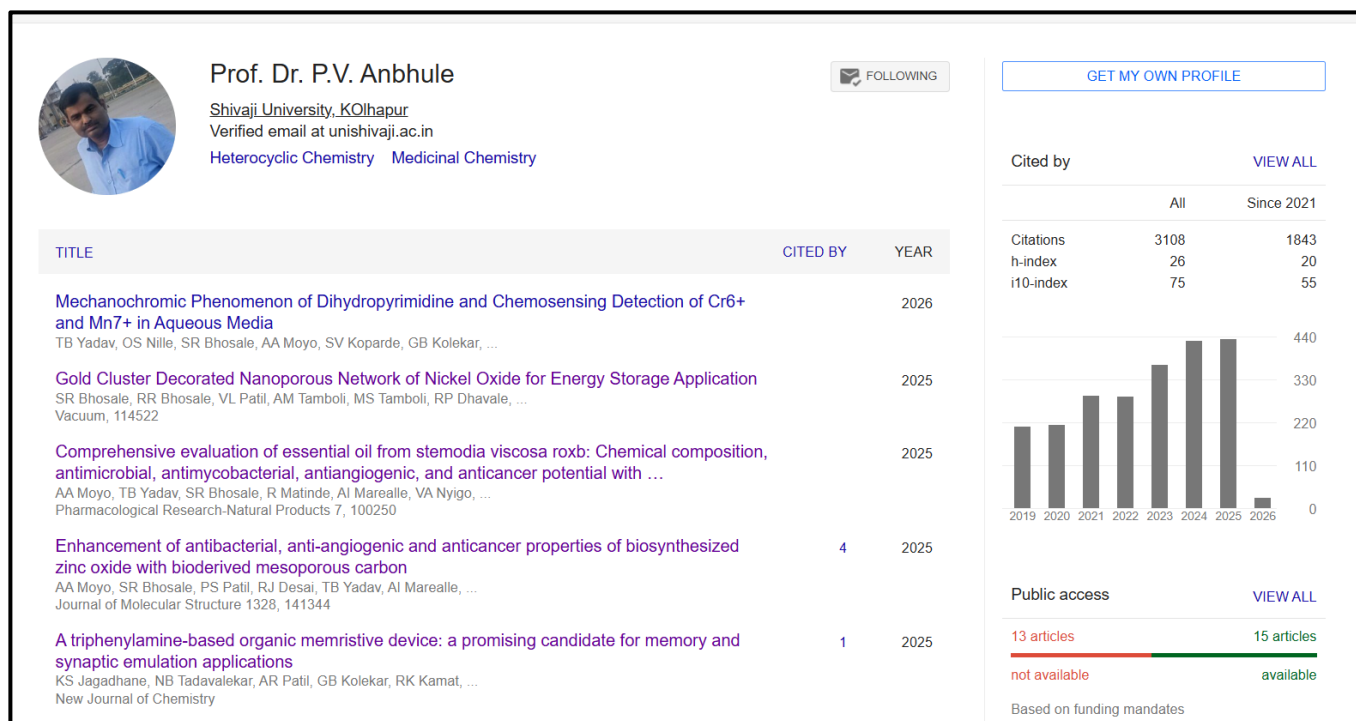
1. A Text Book of Organic Chemistry at B.Sc. Part-II, Shivaji University, Kolhapur P. V. Anbhule et.al. Nirali Prakashan, Pune 2003

Book Chapter:

A PROGRESS AND FUTURE STATUS OF NANOTECHNOLOGY IN BIOMEDICAL APPLICATIONS: A MINI REVIEW
Futuristic Trends in Chemical, Material Sciences & Nano Technology, IIP Series, Volume 3, Book 25, Part 1, Chapter 7

16. Research Paper (Peer reviewed): Published papers -166

Google Scholar Citations = 3109, h-index = 26, i10-index = 75



154. Anticancer and Apoptotic Effects of *Hymenodictyon floribundum* (Hochst. & Steud.) B.L. Rob. Stem Bark Hydroethanolic Extract
Alfredi A Moyo, Kishor S Jagadhane, Sneha R Bhosale, Sachin B Shinde, Alphonse I Marealle, Vinod B Shimpale, Prashant V Anbhule
Chemistry Africa 7, 1235–1250 (2024).
153. Biological evaluation, molecular modeling and dynamic simulation of IDQ bulk and IDQNPs: Organo nano-bio interface in the medical field
Shilpa Y Salunkhe, Rutikesh P Gurav, Sanket S Rathod, Prafulla B Choudhari, Tejaswini P Yadav, Saubai B Wakshe, Prashant V Anbhule, Govind B Kolekar
Journal of Molecular Structure 1301 (2024) 137288
152. Superior antibacterial performance of surfactant-assisted ZnO nanoflakes produced via Co-precipitation method
Sneha R Bhosale, Rakhee R Bhosale, Vithoba L Patil, Rushikesh P Dhavale, Supriya S Shukla, Sharda R Gadale, Prashant V Anbhule
Chemical Physics Letters 846 (2024) 141318

151. Okra peel-derived nitrogen-doped carbon dots: Eco-friendly synthesis and multi-functional applications in heavy metal ion sensing, nitro compound detection and environmental remediation
*Sneha V Koparde, Omkar S Nille, Akanksha G Kolekar, Prachi P Bote, Kishor V Gaikwad, **Prashant V Anbhule**, Samadhan P Pawar, Govind B Kolekar*
Molecular and Biomolecular Spectroscopy 321 (2024) 124659
150. Nanocarbon eco-hydrogel kit: on-site visual metal ion sensing and dye cleanup, advancing the circular economy in environmental remediation†
*Omkar S Nille, Akanksha G Kolekar, Pooja V Devre, Sneha V Koparde, Aniket H Sawat, Daewon Sohn, Shashikant P Patole, **Prashant V Anbhule**, Anil H Gore, Govind B Kolekar*
Analyst, 2025, 150, 69–80
149. A triphenylamine-based organic memristive device: a promising candidate for memory and synaptic emulation applications
*Kishor S Jagadhane, Neha B Tadavalekar, Amitkumar R Patil, Govind B Kolekar, Rajanish K Kamat, Tukaram D Dongale, **Prashant V Anbhule***
New J. Chem., 2025,49, 12306-12314
148. Enhancement of antibacterial, anti-angiogenic and anticancer properties of biosynthesized zinc oxide with bioderived mesoporous carbon
*Alfredi A Moyo, Sneha R Bhosale, Prasad Shrikant Patil, Ruturaj Jayshing Desai, Trupti B Yadav, Alphonse Ignace Marealle, Patil S Vilasrao, Vinod B Shimpale, **Prashant V Anbhule***
Journal of Molecular Structure 1328 (2025) 141344
147. Comprehensive evaluation of essential oil from stemodia viscosa roxb: Chemical composition, antimicrobial, antimycobacterial, antiangiogenic, and anticancer potential with apoptosis and cell cycle analysis
*Alfredi A Moyo, Trupti B Yadav, Sneha R Bhosale, Raphael Matinde, Alphonse Ignace Marealle, Vitus A Nyigo, Vinod B Shimpale, **Prashant V Anbhule***
Pharmacological Research - Natural Products 7 (2025) 100250
146. Gold cluster decorated nanoporous network of nickel oxide for energy storage application

- Sneha R Bhosale, Rakhee R Bhosale, Vithoba L Patil, Asiya M Tamboli, Mohaseen S Tamboli, Rushikesh P Dhavale, Sanjay S Kolekar, Prashant V Anbhule
Vacuum 240 (2025) 114522
145. Nanomaterials Based Multifunctional Bioactivities of V₂O₅ and Mesoporous Carbon@V₂O₅ Composite: Preparation and Characterization
Sneha R Bhosale, Rakhee R Bhosale, Rushikesh P Dhavale, Govind B Kolekar, Vinod B Shimpale, Prashant V Anbhule
Langmuir 40 (12) (2024) 6471-6483
144. A Reversible Mechanochromic AIEgen Based on Triphenylamine for the Selective Detection of Vitamin B2 (Riboflavin) in Aqueous Media and Histotoxicity
Kishor S Jagadhane, Nagesh B Birajdar, Govind B Kolekar, Prashant V Anbhule
Chemical Research in Toxicology 37 (3) (2024) 455-464
143. Enriching the antimicrobial efficacy of iron oxide with bioderived mesoporous carbon
Sneha R Bhosale, Rakhee R Bhosale, Ganesh S Kamble, Supriya S Shukla, Sharda R Gadale, Rushikesh P Dhavale, Prashant V Anbhule
Inorganic Chemistry Communications 161 (2024) 112111
142. Anticancer and Apoptotic Effects of Hymenodictyon floribundum (*Hochst. & Steud.*) B.L.Rob. Stem Bark Hydroethanolic Extract
Alfredi A Moyo, Kishor S Jagadhane, Sneha R Bhosale, Sachin B Shinde, Alphonse I Marealle, Vinod B Shimpale, Prashant V Anbhule
Chemistry Africa 7 (3) (2024) 1235-1250
141. Evaluation of antimicrobial, cytotoxicity effects and antioxidant potential of Stemodia verticillata (Mill.) Hassl extract
Alfredi A Moyo, Sneha R Bhosale, Kishor S Jagadhane, Sachin B Shinde, Vinod B Shimpale, Prashant V Anbhule
Journal of Applied Pharmaceutical Science 13 (11) (2023) 119-130
140. Effect of Zn Doping on Antibacterial Efficacy of CuO Nanostructures

*Sneha R Bhosale, Rakhee R Bhosale, Alfredi A Moyo, Sachin B Shinde, Trupti B Yadav, Rushikesh P Dhavale, Uppala Chalapathi, Deepak R Patil, **Prashant V Anbhule***

ChemistrySelect 8 (34) (2023) e202301997

139. Histotoxicity of AIEgen Based on Triphenylamine for the Simultaneous and Discriminatory Sensing of Hg^{2+} and Ag^+ Directly in Aqueous Media for Environmental

*Kishor S Jagadhane, Nagesh B Birajdar, Govind B Kolekar, **Prashant V Anbhule***
Chemical Research in Toxicology 36 (10) (2023) 1611-1621

138. Biological evaluation, molecular modeling and dynamic simulation of IDQ bulk and IDQNPs: Organo nano-bio interface in the medical field

*Shilpa Y Salunkhe, Rutikesh P Gurav, Sanket S Rathod, Prafulla B Choudhari, Tejaswini P Yadav, Saubai B Wakshe, **Prashant V Anbhule**, Govind B Kolekar*
Journal of Molecular Structure 1301 (2024) 137288

137. Route-dependent tailoring of carbon dot release in alginate hydrogel beads (HB-Alg@ WTR-CDs): A versatile platform for biomedical applications

*Omkar S Nille, Akshay S Patil, Anuja A Vibhute, Shital S Shendage, Arpita P Tiwari, **Prashant V Anbhule**, Daewon Sohn, Anil H Gore, Govind B Kolekar*
International Journal of Biological Macromolecules 257 (2024) 128126

136. Green, facial zinc doped hydrothermal synthesis of cinnamon derived fluorescent carbon dots (Zn-Cn-CDs) for highly selective and sensitive Cr^{6+} and Mn^{7+} metal ion sensing

*Akanksha G Kolekar, Omkar S Nille, Sneha V Koparde, Akshay S Patil, Ravindra D Waghmare, Daewon Sohn, **Prashant V Anbhule**, Govind B Kolekar, Gavisiddappa S Gokavi, Vishalkumar R More*

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 304 (2024) 123413

135. Facile synthesis of sulphur-doped carbon dots (S-CDs) using a hydrothermal method for the selective sensing of Cr^{6+} and Fe^{3+} ions: application to environmental water sample

Akanksha G Kolekar, Samadhan P Pawar, Dattatray B Gunjal, Omkar S Nille,

- Prashant V Anbhule, Sneha V Koparde, Ngoc Quang Nguyen, Daewon Sohn, Govind B Kolekar, Gavisiddappa S Gokavi, Vishalkumar R More**
RSC advances 14 (5) (2024) 3473-3479
134. **Molecular and Biomolecular Spectroscopy** Akanksha G Kolekar, Omkar S Nille, Sneha V Koparde, Akshay S Patil, Ravindra D Waghmare, Daewon Sohn, Prashant V Anbhule, Govind B Kolekar, Gavisiddappa S Gokavi, Vishalkumar R More **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 304 (2024) 123413**
133. Furan-Dihydroquinazolinone Based Fluorescent Nanoprobe for Selective Recognition of 4-Nitrophenol: A Spectofluorimetric Approach
 Saubai B Wakshe, Pravin R Dongare, Anil H Gore, Gurunath V Mote, **Prashant V Anbhule, Govind B Kolekar**
Journal of Fluorescence 34 (1) (2024) 321-332
132. Surface plasmon resonance based colorimetric probe for vitamin B1 detection: Applications to bio-fluid analysis
 Uttam R. Kondekar, Laxman S. Walekar, Samadhan P. Pawar, Mukund G. Mali, Dilip D. Anuse, Chandrakant G. Gardi, Shamkumar Deshmukh, **Prashant V. Anbhule, Govind B. Kolekar**
Case Studies in Chemical and Environmental Engineering (2023)
131. Bioderived Mesoporous Carbon@Tungsten Oxide Nanocomposite as a Drug Carrier Vehicle of Doxorubicin for Potent Cancer Therapy
 Sneha R. Bhosale, Rakhee R. Bhosale, Devashree N. Patil, Rushikesh P. Dhavale, Govind B. Kolekar, Vinod B. Shimpale, and **Prashant V. Anbhule,**
Langmuir (2023)
130. Phytochemical profiling, antimicrobial, antiproliferative and apoptotic effects of *Stemodia viscosa* Roxb. of Western Ghats region, India
 Alfredi Alfred Moyo, Kishor Sambhaji Jagadhane, Sneha Raghunath Bhosale, Devashree N Patil, Vinod B Shimpale, **Prashant Vikramrao Anbhule,**
Chemistry & Biodiversity (2023) e202300332

129. Antibacterial Efficacy of NiO Composites with CuO Nanoclusters via Co-precipitation Method
Sneha R Bhosale, Sachin B Shinde, Rakhee R Bhosale, Shankar Dhengale, Alfredi A Moyo, Rushikesh P Dhavale, Prashant V Anbhule **Inorganic Chemistry Communications** 155 (2023) 111059
128. Biomass Nanoarchitectonics with Annona Reticulate Flowers for Mesoporous Carbon Impregnated on CeO₂ Nanogranular Electrode for Energy Storage Application
Sneha R Bhosale, Rakhee R Bhosale, Sachin B Shinde, Alfredi A Moyo, Rushikesh P Dhavale, Sanjay S Kolekar, Prashant V Anbhule **Inorganic Chemistry Communications** 154 (2023) 110949
127. Multifunctional Fluorescent Tetraphenylethene-Based Reversible Mechanochromism for Highly Selective Detection of MnO₄⁻ in Aqueous Media and Green Organic Light Emitting Diode Applications
Kishor S Jagadhane, Ray J Butcher, Tukaram D Dongale, Kiran A Nirmal, Govind B Kolekar, Mohaseen S Tamboli, Tae Geun Kim, Sunita Salunke-Gawali, Prashant V Anbhule **Crystal Growth & Design** 23 (2023) 4164–4179
126. Construction of Waste Chalk Powder into mpg-C₃N₄-CaSO₄ as an Efficient Photocatalyst for Dye Degradation under UV–Vis Light and Sunlight
Sachin B Shinde, Sneha R Bhosale, Nagesh B Birajdar, Anil H Gore, Govind B Kolekar, Sanjay S Kolekar, Ajinkya D Mandake, Prashant V Anbhule **Langmuir** 39 (2023) 6324-6336
125. Tetraphenylethene Carbothioamide-Based Organic Stimuli-Responsive Mechanochromic Memristive Devices with Non-Volatile Memory and Synaptic Learning Functionalities
Kishor S Jagadhane, Tukaram D Dongale, Ankita S Nikam, Neha B Tadavalekar, Rajanish K Kamat, Govind B Kolekar, Prashant V Anbhule **ChemistrySelect** 8 (2023) e202300026
124. Mesoporous carbon encapsulated zinc oxide nanorods derived from plant species ‘Argyreia sharadchandrajii’ for live cell imaging of drug delivery and multimodal

bioactivities

Sneha R Bhosale, Kishor S Jagadhane, Rakhee R Bhosale, Sharadrao A Vanalakar, Mohammad H Qureshi, Devashree N Patil, Rushikesh P Dhavale, Vinod B Shimpale, Govind B Kolekar, Prashant V Anbhule

New Journal of Chemistry 47 (2023) 12739-12751

123. Recent trends in synthetic Top-down approach for Mesoporous Carbon: A seminal review

Sneha R Bhosale, Rakhee R Bhosale, Kishor S Jagadhane, Anil H Gore, Govind B Kolekar, Sanjay S Kolekar, Prashant V Anbhule
Journal of Materials NanoScience 10 (1), (2023) 601-601

122. An efficient and convenient heterogeneous Cu/MCM-41 catalyst for the synthesis of 7, 10, 11, 12-tetrahydrobenzo [c] acridin-8 (9H)-one derivatives

Shankar D Dhengale, Tanaji R Bhosale, Sachin B Shinde, Chandrashekhar V Rode, Govind B Kolekar, Prashant V Anbhule

Research on Chemical Intermediates, (2023) 1-20

121. Template free synthesis of mesoporous carbon from fire cracker waste and designing of ZnO-Mesoporous carbon photocatalyst for dye (MO) degradation

Sachin B Shinde, Shankar D Dhengale, Omkar S Nille, Shivajee S Jadhav, Anil H Gore, Tanaji R Bhosale, Nagesh B Birajdar, Sanjay S Kolekar, Govind B Kolekar, Prashant V Anbhule

Inorganic Chemistry Communications 147, (2023) 110242

- 120 Furan-Dihydroquinazolinone Based Fluorescent Nanoprobe for Selective Recognition of 4-Nitrophenol: A Spectofluorimetric Approach

Saubai B Wakshe, Pravin R Dongare, Anil H Gore, Gurunath V Mote, Prashant V Anbhule, Govind B Kolekar
Journal of Fluorescence (2023) 1- 12

119. Surface plasmon resonance based colorimetric probe for vitamin B1 detection: Applications to bio-fluid analysis

Uttam R Kondekar, Laxman S Walekar, Samadhan P Pawar, Mukund G Mali, Dilip D Anuse, Chandrakant G Gardi, Shamkumar Deshmukh, Prashant V Anbhule, Govind B Kolekar
Case Studies in Chemical and Environmental Engineering 8 (2023) 100380

118. Formation of CuO nanostructures via chemical route for biomedical applications
Sneha R Bhosale, Sharvari A Ghatage, Pranali N Wahane, Rakhee R Bhosale, Kishor S Jagadhane, Devashree N Patil, Prashant V Anbhule **Chemical Physics Letters** **808**, (2022) 140122
117. A Tetraphenylethene-Based Aggregation-Induced Emission Luminogen (AIEgen) With Mechanochromic Phenomena for Highly Selective Naked-Eye Detection of MnO_4^- Directly in Aqueous Media
 Kishor S Jagadhane, Sneha R Bhosale, Alfredi A Moyo, Govind B Kolekar, Kirankumar K Sharma, Hemraj M Yadav, **Prashant V Anbhule** **ChemistrySelect** **7** (43), (2022) e202203185
116. Valorization of Waste Tungsten Filament into mpg- C_3N_4 - WO_3 Photocatalyst: A Sustainable e-Waste Management and Wastewater Treatment
Sachin B Shinde, Omkar S Nille, Anil H Gore, Nagesh B Birajdar, Govind B Kolekar, Prashant V Anbhule **Langmuir** **38** (44), 2022 13543-13557
115. Dihydroquinazolinone based nanosensor for fluorimetric detection of Hg^{2+} ions: Application to environmental analysis
Saubai B Wakshe, Pravin R Dongare, Anil H Gore, Gurunath V Mote, Shivanand P Gajare, Shilpa Y Salunkhe, Prashant V Anbhule, Daewon Sohn, Govind B Kolekar **Environmental Nanotechnology, Monitoring & Management** **18**, (2022) 100717
114. Tetraphenylethene-Based Fluorescent Chemosensor with Mechanochromic and Aggregation-Induced Emission (AIE) Properties for the Selective and Sensitive Detection of Hg^{2+} and Ag^+ Ions in Aqueous Media: Application to Environmental Analysis
Kishor S Jagadhane, Sneha R Bhosale, Datta B Gunjal, Omkar S Nille, Govind B Kolekar, Sanjay S Kolekar, Tukaram D Dongale, Prashant V Anbhule **ACS omega** (2022)
113. Greenish-Yellow Emitting Carbon Dots as 'On-Off-On' Fluorescent Probe for Selective Determination of Mercury (II) and Sulphide Ions

- Vaibhav M Naik, Ravindra D Waghmare, Anil H Gore, Prashant V Anbhule, Govind B Kolekar* **Chemistry Select** 7, (2022) e202201193
112. AHDMAPPC. The concentration of BSA was kept constant at 2.0×10^{-5} M, while the concentration of AHDMAPPC was varied from 0 (a) to 8×10^{-6} M (i). The inset shows the F/F
- VD Suryawanshi, LS Walekar, AH Gore, PV Anbhule, GB Kolekar* **Advanced Spectroscopic Methods to Study Biomolecular Structure and Dynamic** (2022) 17
111. Synthesis of indeno-[1,2-b]-quinoline-9,11(6H,10H)-dione and 7,7 dimethyl-10-aryl-7,8-dihydro-5H-indeno[1,2-b]quinoline-9,11(6H,10H)-dione derivatives in presence of heterogeneous Cu/zeolite-Y as a catalyst
- Shankar D Dhengale, Chandrashekhar V Rode, Govind B Kolekar, Prashant V Anbhule* **RSC advances** 12, (2022) 2083-2093
110. Total Stereospecific Synthesis of (3E, 7Z)-Tetradecadienyl Acetate, the Major Sex Pheromone Component of the Potato Pest *Symmetrischema tangolias*
- Ramchandra Awalekar, Priyanka Mohire, Ajinkya Patravale, Shilpa Salunkhe, Shams Usmani, Dattatray Jamale, Shankar Hangirgekar, Govind Kolekar, Prashant Anbhule* **Chemistry of Natural Compounds** 57, (2021) 1000-1004
109. A highly sensitive and selective phthalazine derivative based fluorescent organic nanosheets for simultaneous detection of Cr^{6+} and Mn^{7+} in aqueous media
- Saubai B Wakshe, Pravin R Dongare, Anil H Gore, Gurunath V Mote, Shilpa Y Salunkhe, Sunanda T Mahanwar, Prashant V Anbhule, Govind B Kolekar* **Inorganica Chimica Acta** 526, (2021) 120534
108. Sawmill waste derived carbon dots as a fluorescent probe for synthetic dyes in soft drinks
- Datta B Gunjal, Laxman S Walekar, Samadhan P Pawar, Prashant V Anbhule, Mukund G Mali, Vinayak P Dhulap, Daewon Sohn, Prasad G Mahajan, Ki Hwan Lee, Rajendra V Shejwal, Govind B Kolekar* **Scientific reports** 11, (2021) 1-9
107. Solvent free, environment benign synthesis of 1, 4-dihydropyridines and polyhydroquinolines by using heterogeneous Zn/MCM-41 catalyst

Shankar D Dhengale, Vaibhav M Naik, Govind B Kolekar, Chandrashekhar V Rode, Prashant V Anbhule **Research on Chemical Intermediates** **47**, (2021) **3263-3287**

106. Carbon nanodots derived from kitchen waste biomass as a growth accelerator for fenugreek plant

Ravindra D Waghmare, Datta B Gunjal, Vaibhav M Naik, Anil H Gore, Mansingraj S Nimbalkar, Prashant V Anbhule, Sheshanath V Bhosale, Daewon Sohn, Govind B Kolekar **Journal of Nanoscience and Nanotechnology** **21**, (2021) **2234-2245**

105. Dataset on the shooting and rooting ability of *Morus alba* using waste tea residue derived carbon dots as an alternative of growth plant stimulator

Ravindra D. Waghmare, Anil H. Gore, P.V. Anbhule, Daewon Sohn, Govind B. Kolekar **Data in Brief** **29**, (2020) **105345**

104. Stereoselective Synthesis of (4E, 6Z)-Hexadecadien-1-ol, (4E, 6Z)-Hexadecadienyl Acetate and (4E, 6Z)-Hexadecadienal, the Pheromone Components of the Persimmon Fruit Moth, *Stathmopoda masinissa*

Ramchandra Awalekar, Priyanka Mohire, Ajinkya Patravale, Shilpa Salunkhe, Dattatray Jamale, Shankar Hangirgekar, Govind Kolekar and Prashant Anbhule **Chem Sci Rev Lett** **2020**, **9** (35), **746-772** **2019-20**

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