

Curriculum Vitae

Prof. (Dr.) Prashant V. Anbhule

M.Sc., MH-SET, Ph.D.

Professor in 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 Suramy nagari apate mala
Karvir, Pachgaon Kolhapur-416013 |
| Address (O) | Department of Chemistry,
Shivaji University, Kolhapur-416004
Phone: +91 231 2609162 (O)
+91 9423717717, +917741062345 (Cell)
Fax: +91 231 2692333
Email: pvanbhule@gmail.com/
pva_chem@unishivaji.ac.in |
| 4. Current Designation | Professor |
| 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

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: (20 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	00	05	--	05
c. Book/Chapters	---	01	01	02
Total	154	10	02	166

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

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:** “SET Examination” for Shivaji University, Kolhapur since April 2016.
- 2) **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:

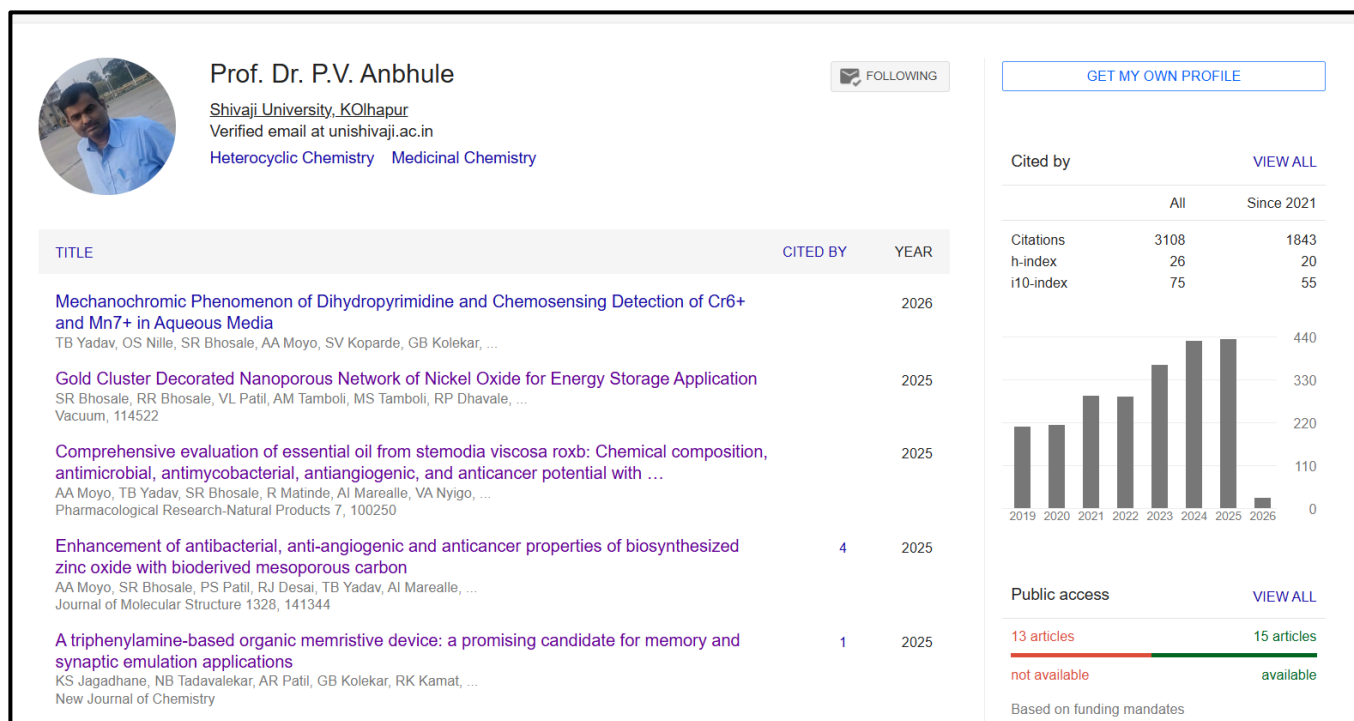
1. A Text Book of Organic Chemistry at B.Sc. Part-II, Shivaji University, Kolhapur P. V. Anbhule et.al. Nirali Prakashan, Pune 2003

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 StorageApplication
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**
103. A total and convergent synthesis of (7Z, 11Z, 13E)-7, 11, 13-Hexadecatrienal, the major sex pheromone component of the citrus leafminer, *Phyllocnistis citrella*
Ramchandra Awalekar, Priyanka Mohire, Navanath Valekar, Shams Usmani, Shilpa Salunkhe, Dattatray Jamale, Shankar Hangirgekar, Govind Kolekar, Prashant Anbhule, **Chemical Data Collections** **30**, (2020) **100567**
102. 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

Vaibhav M. Naik, Datta B. Gunjal, Anil H. Gore, Prashant V. Anbhule, Daewon Sohn, Sheshanath V. Bhosale, Govind B. Kolekar

Analytical and Bioanalytical Chemistry 412, (2020) 2993–3003

101. Fluorescence Spectroscopic Studies on the Interaction between 2, 5-Diphenyl Oxazole and Triton X-100 Micelle *Shilpa R. Patil Sonali M. Salunkhe Sunanda T. Mahanwar Vaibhav M. Naik Prashant V. Anbhule Govind. B. Kolekar*

Macromol. Symp. 387, (2019) 1800207

100. Synthesis of phthalazine derivative based organic nanoflakes in aqueous solvent as a potential nano-anticancer agent: A new approach in medical field
Saubai B Wakshe, Shilpa R Patil, Audumbar D Patil, Prafulla B Choudhari, Sandeep B Patil, Prashant V Anbhule, Daewon Sohn, Govind B Kolekar

Journal of Molecular Structure 1201 (2020) 127156

99. Waste derived sustainable carbon nanodots as a new approach for sensitive quantification of ethionamide and cell imaging

Datta B Gunjal, Anil H Gore, Amrut R Bhosale, Vaibhav M Naik, Prashant V Anbhule, Rajendra V Shejwal, Govind B Kolekar

Journal of Photochemistry and Photobiology A: Chemistry 376 (2019) 54-62

98. Nitrogen-Doped Carbon Dots via Hydrothermal Synthesis: Naked Eye Fluorescent Sensor for Dopamine and Used for Multicolor Cell Imaging

Vaibhav Naik, Pranjita Zantye, Datta Gunjal, Anil Gore, Prashant Anbhule, Meenal Kowshik, Sheshanath V Bhosale, Govind Kolekar

ACS Applied Bio Materials 2 (2019) 2069-2077

97. Spectral elucidation with molecular docking study between isatin analogous and bovine serum albumin

Shilpa R Patil, Sonali M Salunkhe, Saubai B Wakshe, Kshipra S Karnik, Aniket P Sarkate, Ajinkya A Patrawale, Prashant V Anbhule, Govind B Kolekar

Chemical Data Collections 22 (2019) 100254

96. Carbon dots as a dual sensor for the selective determination of d-penicillamine and biological applications

Datta B Gunjal, Anil H Gore, Vaibhav M Naik, Samadhan P Pawar, Prashant V Anbhule, Rajendra V Shejwal, Govind B Kolekar

Optical Materials 88 (2019) 134-142

95. Glycerol Mediated Synthesis, Biological Evaluation, and Molecular Docking Study of 4-(1H-pyrazol-4-yl)-polyhydroquinolines as Potent Antitubercular Agents

Dattatraya K Jamale, Santosh S Undare, Navanath J Valekar, Aniket P Sarkate, Govind B Kolekar, Prashant V Anbhule

Journal of Heterocyclic Chemistry 56 (2019) 608-618

94. Synthesis of Novel 4-((Substituted bis-indolyl)methyl)-benzo-15-crown-5 for the Colorimetric Detection of Hg^{2+} Ions in an Aqueous Medium

TR Bhosale, DR Chandam, PV Anbhule, MB Deshmukh

Journal of Heterocyclic Chemistry 56 (2019) 477-484

93. Nitrogen doped waste tea residue derived carbon dots for selective quantification of tetracycline in urine and pharmaceutical samples and yeast cell imaging application

Datta B Gunjal, Yogesh M Gurav, Anil H Gore, Vaibhav M Naik, Ravindra D Waghmare, Chandrashekhar S Patil, Daewon Sohn, Prashant V Anbhule, Rajendra V Shejwal, Govind B Kolekar

Optical Materials 98 (2019) 109484

92. Quantum dots based “On-Off” fluorescence probe for the selective detection of Cu^{2+} ion: Application to real sample analysis

Samadhan P Pawar, Anil H Gore, Laxman S Walekar, Vaibhav M Naik, Prashant V Anbhule, Daewon Sohn, Govind B Kolekar

Chemical Data Collections 24 (2019) 100300

91. An Efficient Protocol for the Synthesis of Pyrido[2,3-d]pyrimidines in Glycerol–Water Medium: Assessment by Green Chemistry Metrics

Dattatraya K Jamale, Vashishtha M Gurame, Navanath J Valekar, Shankar P Hangirgekar, Govind B Kolekar, Prashant V Anbhule

Macromolecular Symposia 387 (2019) 1800202

90. Study of Interaction between Human Hemoglobin and Antitubercular Isoniazid Drug with Its Detection
Shilpa R Patil, Sunanda T Mahanwar, Datta B Gunjal, Saubai B Wakshe, Prashant V Anbhule, Govind B Kolekar
Macromolecular Symposia 387 (2019) 1800203
89. Fluorescence Spectroscopic Studies on the Interaction between 2, 5-Diphenyl Oxazole and Triton X-100 Micelle
Shilpa R Patil, Sonali M Salunkhe, Sunanda T Mahanwar, Vaibhav M Naik, Prashant V Anbhule, Govind B Kolekar
Macromolecular Symposia 387 (2019) 1800207
88. In Vitro Study of Ethyl-4-(3,4,5-trimethoxy)-2,7,7-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate and Bovine Serum Albumin Using Multi-Spectroscopic Techniques and Molecular Docking
Sunil D Kumbhar, Anil H Gore, Prafulla B Choudhari, Nilotpal Barooah, Prashant V Anbhule, Yogesh S Sonavane, Govind B Kolekar, Anita J Bodake
Macromolecular Symposia 387 (2019) 1800206
87. An Investigation of Fluorescence Resonance Energy Transfer between Tryptophan and Quinine Sulphate
Sunanda T Mahanwar, Shilpa R Patil, Vaibhav M Naik, Saubai B Wakshe, Prashant V Anbhule, Govind B Kolekar
Macromolecular Symposia 387 (2019) 1800204
86. Exploration of Fluorescence Quenching Mechanism in Tryptophan Induced by Norfloxacin: Analytical Applications
Sunanda T Mahanwar, Shilpa R Patil, Vaibhav M Naik, Ravindra D Waghmare, Prashant V Anbhule, Govind B Kolekar
Macromolecular Symposia 387 (2019) 1800208
85. Synthesis and applications of (5-substituted benzimidazolo)-benzo-15-crown-5 and 4, 4'-bis-benzimidazolo-dibenzo-15-crown-5 for the colorimetric detection of Au³⁺
TR Bhosale, SD Dhengale, PV Anbhule, MB Deshmukh
Synthetic Communications 49 (2019) 1416-1426

84. Spectroscopic insights on the interaction between 4-(3, 4 dimethoxyphenyl)-6-hydroxy-2-methylpyrimidine-5-carbonitrile and tryptophan
Shilpa R Patil, Santosh S Undre, Sonali M Salunkhe, Prashant V Anbhule, GB Kolekar
Current Pharma Research 9 (2019) 2935-2946
83. Quantum dots based “On-Off” fluorescence probe for the selective detection of Cu²⁺ ion: Application to real sample analysis
Samadhan P. Pawar, Anil H. Gore, Laxman S. Walekar, Vaibhav M. Naik, Prashant V. Anbhule, Daewon Sohn, Govind B. Kolekar
Chemical Data Collections 24 (2019) 100300
82. Quick and low cost synthesis of sulphur doped carbon dots by simple acidic carbonization of sucrose for the detection of Fe³⁺ ions in highly acidic environment
Vaibhav M Naik, Dattatray B Gunjal, Anil H Gore, Samadhan P Pawar, Sunanda T Mahanwar, Prashant V Anbhule, Govind B Kolekar
Diamond and Related Materials 88 (2018) 262-268
81. Organic non-volatile memory device based on cellulose fibers
Anuja P Rananavare, Sunil J Kadam, Shivadatta V Prabhu, Sachin S Chavan, Prashant V Anbhule, Tukaram D Dongale
Materials Letters 232 (2018) 99-102
80. Unexpected formation of 4, 5-dihydro-1H-pyrazolo [3, 4-b] pyridine derivatives as a potent antitubercular agent and its evaluation by green chemistry metrics
DK Jamale, SS Vibhute, SS Undare, NJ Valekar, KT Patil, PP Warekar, PT Patil, GB Kolekar, PV Anbhule
Synthetic Communications 48 (2018) 2750-2760
79. Tris-hydroxymethylaminomethane (THAM): an efficient organocatalyst in diversity-oriented and environmentally benign synthesis of spirochromenes
Supriya S Khot, Prashant V Anbhule, Uday V Desai, Prakash P Wadgaonkar
Comptes Rendus Chimie 21 (2018) 814-821

78. A simple and efficient one-pot novel synthesis of pyrazolo[3,4-b][1,8]naphthyridine and pyrazolo[3,4-d]pyrimido[1,2-a]pyrimidine derivatives as anti-inflammatory agents

Priyanka T Patil, Poojali P Warekar, Kirti T Patil, Santosh S Undare, DK Jamale, SS Vibhute, NJ Valekar, Govind B Kolekar, Madhukar B Deshmukh, Prashant V Anbhule

Research on Chemical Intermediates 44 (2018) 1119-1130

77. Design and synthesis of some new piritrexim analogs as potential anticancer agents

Poojali P Warekar, Kirti T Patil, Priyanka T Patil, Aniket P Sarkate, Kshipra S Karnik, Santosh S Undare, Govind B Kolekar, Madhukar B Deshmukh, Shivadatta Prabhu, Prashant V Anbhule

Research on Chemical Intermediates 44 (2018) 749-767

76. P₂O₅ Mediated an Efficient Synthesis and Biological Evaluation of Heterocyclic-fused Pyrimidine Derivatives as an Antitubercular Agent

Kirti T Patil, Poojali P Warekar, Priyanka T Patil, Santosh S Undare, Govind B Kolekar, Prashant V Anbhule

Journal of Heterocyclic Chemistry 55 (2018) 154-160

75. Phytochemical constituents and antioxidant properties of *Pleocaulus ritchiei*: An endemic plant from western ghats of India

VB Shimpale, Sujata V Patil, Rahul P Mane, PV Anbhule

European Journal of Biomedical AND Pharmaceutical sciences 5 (2018) 779-784

74. Screening of *lamprachenium microcephalum* an endemic plant of asteraceae from western ghats of India for their phenols, flavonoids and antioxidant properties

Rahul Mane, Prashant Anbhule, Sujata Patil, Vinod Shimpale

European Journal of Biomedical AND Pharmaceutical sciences 5 (2018) 492-498

73. Synthesis of Novel 4-((Substituted bis-indolyl) methyl)-benzo-15-crown-5 for the Colorimetric Detection of Hg²⁺ Ions in an Aqueous Medium

*TR Bhosale, DR Chandam, **PV Anbhule**, MB Deshmukh*

J. Heterocyclic Chem. DOI 10.1002/jhet

72. Fluorescence-based sensor for selective and sensitive detection of amoxicillin (Amox) in aqueous medium: Application to pharmaceutical and biomedical analysis

*Samadhan P Pawar, Laxman S Walekar, Dattatray B Gunjal, Dattatray K Dalavi, Anil H Gore, **Prashant V Anbhule**, Shivajirao R Patil, Govind B Kolekar*

Luminescence 32 (2018) 918-923

71. Uncatalyzed four-component synthesis of pyrazolopyranopyrimidine derivatives and their antituberculosis activities

*Kirti T Patil, Dattatrya K Jamale, Navnath J Valekar, Priyanka T Patil, Poojali P Warekar, Govind B Kolekar, **Prashant V Anbhule***

Synthetic Communications 47 (2017) 111-120

70. A bio-oriented anthranilic acid catalyzed synthesis of quinazolin-8 (4H)-one derivatives: Evaluation by green chemistry metrics

*Sunil Vibhute, Dattatraya Jamale, Santosh Undare, Navanath Valekar, Kirti Patil, Govind Kolekar, **Prashant Anbhule***

Synthetic Communications 47 (2017) 1747-1757

69. PTSA-catalyzed straightforward novel approach for the synthesis of 1, 2-bis (4-nitrophenyl)-1H-benzo [f] chromen-3-amine and the evaluation of their antituberculosis activity

*Poojali P Warekar, Priyanka T Patil, Kirti T Patil, DK Jamale, Govind B Kolekar, **Prashant V Anbhule***

Research on Chemical Intermediates 43 (2017) 4115-4127

68. Uncatalyzed synthesis of new substituted dihydro-2H-dipyrimido [1, 2-a, 4, 5-d] pyrimidine-2, 4 (3H)-dione

*Priyanka T Patil, Poojali P Warekar, Kirti T Patil, Dattatraya K Jamale, Govind B Kolekar, **Prashant V Anbhule***

Research on Chemical Intermediates 43 (2017) 4103-4114

67. Phytochemical composition, invitro antioxidant, and antifungal activities of panda concanesis
VB Shimpale, Sujata V Patil, Rahul P Mane, SD Mane, PV Anbhule
World J. Pharm. Res. 7 (2017) 1351-1359

66. Spectroscopic analysis on the binding interaction of biologically active pyrimidine derivative with bovine serum albumin
Vishwas D Suryawanshi, Laxman S Walekar, Anil H Gore, Prashant V Anbhule, Govind B Kolekar
Journal of pharmaceutical analysis 6 (2016) 56-63

65. Surfactant stabilized AgNPs as a colorimetric probe for simple and selective detection of hypochlorite anion (ClO^-) in aqueous solution: Environmental sample analysis
Laxman S Walekar, Samadhan P Pawar, Anil H Gore, Vishwas D Suryawanshi, Santosh S Undare, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar
Colloids and Surfaces A: Physicochemical and Engineering Aspects 491 (2016) 78-85

64. Synthesis, anti-inflammatory, ulcerogenic and cyclooxygenase activities of indenopyrimidine derivatives
Santosh S Undare, Navanath J Valekar, Ajinkya A Patravale, Dattatraya K Jamale, Sunil S Vibhute, Laxman S Walekar, Govind B Kolekar, MB Deshmukh, Prashant V Anbhule
Bioorganic & medicinal chemistry letters 26 (2016) 814-818

63. One-pot synthesis and in vivo biological evaluation of new pyrimidine privileged scaffolds as potent anti-inflammatory agents
Santosh S Undare, Navnath J Valekar, Ajinkya A Patravale, Dattatraya K Jamale, Sunil S Vibhute, Laxman S Walekar, Govind B Kolekar, MB Deshmukh, Prashant V Anbhule
Research on Chemical Intermediates 42 (2016) 4373-4386

62. Contemporary development in sequential Knoevenagel, Michael addition multicomponent reaction for the synthesis of 4-Aryl-5-oxo-5H-indeno [1, 2-b] pyridine-3-carbonitrile

Ajinkya A Patravale, Anil H Gore, Dipti R Patil, Govind B Kolekar, Madhukar B Deshmukh, Prafulla B Choudhari, Manish S Bhatia, Prashant V Anbhule
Research on Chemical Intermediates 42 (2016) 2919-2935

61. Synthesis, biological evaluation and molecular docking studies of some novel indenospiro derivatives as anticancer agents

Ajinkya A Patravale, Anil H Gore, Govind B Kolekar, Madhukar B Deshmukh, Prafulla B Choudhari, Manish S Bhatia, Shivadatta Prabhu, Mahendra D Jamdhade, Milind S Patole, Prashant V Anbhule
Journal of the Taiwan Institute of Chemical Engineers 68 (2016) 105-118

60. A quantum dot-based dual fluorescent probe for recognition of mercuric ions and N-acetylcysteine: "On-Off-On" approach

Samadhan P Pawar, Laxman S Walekar, Uttam R Kondekar, Dattatray B Gunjal, Anil H Gore, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar
Anal. Methods 8 (2016) 6512-6519

59. Ecofriendly synthesis and biological evaluation of 4-(4-nitro-phenyl)-2-phenyl-1,4-dihydro-benzo[4,5]imidazo[1,2-a]pyrimidine-3-carboxylic acid ethyl ester derivatives as an antitubercular agents

Poojali P Warekar, Priyanka T Patil, Kirti T Patil, Dattatraya K Jamale, Govind B Kolekar, Prashant V Anbhule
Synthetic Communications 46 (2016) 2022-2030

58. Selective synthesis of 10,11-dihydrochromeno[4,3-b]chromene-6,8(7H,9H)-dione using copper oxide nanoparticles for potential inhibitors of β -ketoacyl-[acyl-carrier-protein] synthase III of Mycobacterium tuberculosis

Kirti T Patil, LS Walekar, SS Undare, GB Kolekar, Madhukar B Deshmukh, PB Choudhari, Prashant V Anbhule
IJC-B 55B (2016) 1151-1159

57. CdS nanocrystals as fluorescent probe for detection of dolasetron mesylate in aqueous solution: Application to biomedical analysis

Samadhan P Pawar, Laxman S Walekar, Uttam R Kondekar, Dattatray B Gunjal, Anil H Gore, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar

Journal of pharmaceutical analysis 6 (2016) 410-416

56. Chemical Composition of the Essential Oil from Seeds of *Pinda concanensis*: An Endemic Plant from Western Ghats of India

SV Patil, RP Mane, SD Mane, PV Anbhule, VB Shimpale

Int. J. Pharm. Sci. Rev. Res. 41 (2016) 49-51

55. Surfactant and Temperature Effects in Tyrosine/Pyridoxine Hydrochloride Systems

US Mote, PV Anbhule, GB Kolekar

Journal of Surfactants and Detergents 19 (2016) 553-558

54. CdS nanocrystals as fluorescent probe for detection of dolasetron mesylate in aqueous solution: Application to biomedical analysis

Samadhan P. Pawar, Laxman S. Walekar, Uttam R. Kondekar, Dattatray B. Gunjal, Anil H. Gore, Prashant V. Anbhule, Shivajirao R. Patil, Govind B. Kolekar

Journal of Pharmaceutical Analysis 6 (2016) 410-416

53. A simple and green synthesis of highly functionalized quinoline derivatives using zinc oxide nanoparticles

Navanath J Valekar, Santosh S Undare, Dattatrya K Jamale, Sunil S Vibhute, Govind B Kolekar, Madhukar B Deshmukh, Prashant V Anbhule IJC- B 55B (2016) 1548-1554

52. Bioprospecting of *Adenoon indicum*: An Endemic Plant of Asteraceae from Western Ghats of India

RP Mane, PV Anbhule, SV Patil, VB Shimpale Int. J. Pharm. Sci. Rev. Res., 41 (2016) 22-27

51. Ion Exchange Resins as a Reusable acid Catalyst for an Efficient Synthesis of Coumarins via von Pechmann reaction

VD Suryawanshi, AH Gore, PV Anbhule, SR Patil, GB Kolekar

Journal of Shivaji University (Science & Technology) 42 (2016-17) 40-45

50. Turn-on fluorescence probe for selective and sensitive detection of d-penicillamine by CdS quantum dots in aqueous media: Application to pharmaceutical formulation

Samadhan P Pawar, Anil H Gore, Laxman S Walekar, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar

Sensors and Actuators B: Chemical 209 (2015) 911-918

49. Sequence Selective Michael Addition for Synthesis of Indeno-Pyridine and Indeno-Pyran Derivatives in One-Pot Reaction Using CuO Nanoparticles in Water

Navanath J Valekar, Prasad P Patil, Anil H Gore, Govind B Kolekar, Madhukar B Deshmukh, Prashant V Anbhule

J. Heterocycl. Chem. 52 (2015) 1669-1676

48. Spectroscopic investigation of interaction between carbon quantum dots and D-penicillamine capped gold nanoparticles

Laxman S Walekar, Samadhan P Pawar, Uttam R Kondekar, Dattatray B Gunjal, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar

J. Fluoresc. 25 (2015) 1085-1093

47. Ultrasensitive, highly specific, colorimetric recognition of sulfide ions [S²⁻] in aqueous media: applications to environmental analysis

Uttam R Kondekar, Laxman S Walekar, Anil H Gore, Prashant V Anbhule, Sung H Han, Shivajirao R Patil, Govind B Kolekar

Analytical Methods 7 (2015) 2547-2553

46. Trouble-Free Multicomponent Method for Combinatorial Synthesis of 2-Amino-4-phenyl-5-H-indeno[1,2-d]pyrimidine-5-one and Their Screening against Cancer Cell Lines

Ajinkya A Patravale, Anil H Gore, Dipti R Patil, Govind B Kolekar, Madhukar B Deshmukh, Prashant V Anbhule

IND ENG CHEM RES. 53 (2014) 416568-16578

45. A novel FRET probe for selective and sensitive determination of vitamin B 12 by functionalized CdS QDs in aqueous media: applications to pharmaceutical and biomedical analysis

Anil H Gore, Meghanath B Kale, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar

RSC Advances 4 (2014) 683-692

44. Ultrasensitive, highly selective and naked eye colorimetric recognition of D-penicillamine in aqueous media by CTAB capped AgNPs: applications to pharmaceutical and biomedical analysis
Laxman S Walekar, Uttam R Kondekar, Anil H Gore, Samadhan P Pawar, V Sudarsan, Prashant V Anbhule, Shivajirao R Patil, Govind B Kolekar
RSC Advances 4 (2014) 58481-58488
43. Development and optimization of a multivariate RP-UPLC method for determination of telmisartan and its related substances by applying a two-level factorial design approach: application to quality control study
Nitin H Dhekale, K Hima Bindu, KY Kirankumar, Anil H Gore, Prashant V Anbhule, Govind B Kolekar
Analytical Methods 6 (2014) 5168-5182
42. An efficient and modified Biginelli-type synthesis of 3, 4-dihydro-1H-indeno [1, 2-d] pyrimidine-2, 5-dione using phosphorous pentoxide
Poojali P Warekar, Govind B Kolekar, Madhukar B Deshmukh, Prashant V Anbhule
Synthetic Communications 44 (2014) 3594-3601
41. Uncatalyzed synthesis of Furo(2,3-d)pyrimidine-2,4(1H, 3H)-diones in water and their antimicrobial activity.
P. P. Sambavekar, M. M. Aitwade, G. B. Kolekar, M. B. Deshmukh and P. V. Anbhule
Ind. J. of Chemistry Sec-53 B (2014) 1454-1461.
40. Biological Activity of quinoline against Pulse beetle, *Callosobruchus chinensis*
P. V. Anbhule
J. Applied and Basic Sciences (2014) 1229-3302
39. Study of energy transfer between riboflavin (Bit. B) and silver nanoparticles (AgNPs)
V. V. Mokashi, L. S. Walekar, P. V. Anbhule, S. H. Lee, S. R. Patil and G. B. Kolekar
J. Nanoparticle Research, 1 (2014) 1388

38. A novel FRET probe for selective and sensitive determination of vitamin B12 by functionalized CdS QDs in aqueous media: applications to pharmaceutical and biomedical analysis
A.H. Gore, M.B.Kale, P.V. Anbhule, S.R.Patil, G. B. Kolekar
RSC Advances, 4 (2014) 683-692
37. Sequence Selective Michael Addition for Synthesis of Indeno-Pyridine and Indeno-Pyran Derivatives in One-Pot Reaction Using CuO Nanoparticles in Water
Navanath J. Valekar, Prasad P. Patil, Anil H. Gore, Govind B. Kolekar, Madhukar B. Deshmukh and Prashant V. Anbhule
J. Heterocyclic Chemistry, 52 (2014) 1669-1676
36. Evaluation of insecticidal activity of some benzofused heterocycles against different insect pests
M M Aitawade, P P Sambavekar, , D R Patil, G B Kolekar, M B Deshmukh & P V Anbhule
Indian J. of Chem. B 53 (2014)754-762
35. In-silico, in-vitro antibacterial activity and toxicity profile of new quinoline derivatives
P P Sambavekar, M M Aitawade, D R Patil, G B Kolekar, M B Deshmukhb & P V Anbhule
Indian J. of Chem. B (2013)1521-1526
34. A novel colorimetric probe for highly selective recognition of Hg²⁺ ions in aqueous media based on inducing aggregation of CPB capped AgNPs: Accelerating the direct detection for environmental analysis
LS Walekar, AH Gore, PV Anbhule, V Sudarsan, SR Patil, GB Kolekar
Anal. Methods, 5 (2013) 5501-5507
33. A novel pyrimidine derivative as a fluorescent chemosensor for highly selective detection of Aluminum (III) in aqueous media
Suryawanshi, V.D., Gore, A.H., Dongare, P.R., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Spectrochimica Acta A: Molecular and Biomolecular Spectroscopy 114 (2013) 681-686

32. (2Z)-3-(2,4-Dichlorophenyl)-3-hydroxy-N-phenylprop-2-enethioamide
Kour, D., Singh, K., Aitawade, M.M., Deshmukh, M.B., Anbhule, P.V., Gupta, V.K., Kant, R.

Acta Crystallographica Section E: Structure Reports Online 69 (2013) 1173-1174

31. Solvatochromic fluorescence behavior of 2-amino-6-hydroxy-4-(3, 4-dimethoxyphenyl)-pyrimidine-5-carbonitrile: A sensitive fluorescent probe for detection of pH and water composition in binary aqueous solutions
VD Suryawanshi, AH Gore, LS Walekar, PV Anbhule, SR Patil, GB Kolekar

Journal of Molecular Liquids 184 (2013) 4-9

30. A spectral deciphering the perturbation of model transporter protein (HSA) by antibacterial pyrimidine derivative: Pharmacokinetic and biophysical insight
V.D.Suryawanshi, P.V. Anbhule, A.H.Gore, S.R. Patil, G.B. Kolekar

Journal of photochemistry & Photobiology B 118 (2013) 1-8

29. Direct detection of sulfide ions [S²⁻] in aqueous media based on fluorescence quenching of functionalized CdS QDs at trace levels: analytical applications to environmental analysis
Anil H. Gore, Sandip B. Vatre, Prashant V. Anbhule, Sung-Hwan Han, Shivajirao R. Patil and Govind B. Kolekar

Analyst, 138 (2013) 1329-1333

28. (2E)-3-(Dimethylamino)-1-(4-fluorophenyl) prop-2-en-1-one
Rajni Kant, Vivek K. Gupta, Kamini Kapoor, Madhukar B. Deshmukh, D. R. Patil and P. V. Anbhule

Acta Cryst., 68 (2012) 3110

27. Phosphorus pentoxide: As an efficient catalyst for Friedländer synthesis of quinolines
Dipti R. Patil, Mayur M. Aitawade, Santosh S. Undare, Govind B. Kolekar, Madhukar b. Deshmukh & Prashant V. Anbhule

J. Basic & Applied Sciences 8 (2012) 1-6

26. Spectroscopic Investigation on the Interaction of Pyrimidine Derivative, 2-Amino-6-hydroxy-4(3,4-dimethoxyphenyl)-pyrimidine-5-carbonitrile with Human Serum Albumin : Mechanistic and Conformational Study
Suryawanshi, V.D., Anbhule, P.V., Gore, A.H., Patil, S.R., Kolekar, G.B.
Ind. Eng. Chem. Res., 51 (2012) 95-102
25. An efficient synthesis of bis (indolyl) methanes using catalytic amount of polystyrenesulphonic acid in water
Sankpal, S. A., Deshmukh, M. B., Kolekar, G.B., Anbhule, P. V. J. Basic & Applied Sciences (2012) 5-7
24. Development and validation of LC method for simultaneous estimation of chlorzoxazone, paracetamol and nimesulide in pharmaceutical tablets.
Tele, S.S., Anbhule, P.V., patil, S. R., Kolekar, G. B
J. Basic & Applied Sciences (2012) 61-63
23. An efficient synthesis of bis (indolyl) methanes under solvent free condition using Silica supported Chloro acetic Acid as reusable catalyst
D. R. Chandam, M. B. Deshmukh, A .G. Mulik, P. P. Patil, D. R. Patil, S. D. Jagdale, P. V. Anbhule, S. A. Sankpal
Derpharma letter 4 (2012) 54- 60
22. Highly Selective and Sensitive Recognition of Cobalt (II) Ions Directly in Aqueous Solution Using Carboxyl–Functionalized CdS QDs as a Naked Eye Colorimetric Probe: Applications to Environmental Analysis
A.H. Gore, D. B. Gunjal, M. R. Kokate, V. Sudarsan, P. V. Anbhule, S. R. Patil, & G. B. Kolekar
ACS Applied Materials & Interfaces 4 (2012) 5217-5226
21. An efficient, greener synthesis of 2-aryl-1-arylmethyl-1H-benzimidazoles using polystyrene sulfonic acid as a catalyst
Patil, P.P., Deshmukh, M.B., Mulik, A.G., Chandam, D.R., Patil, D.R., Jagdale, S.D., Anbhule, P.V. and Sankpal, S.A.
Der Pharma Chemica 3 (2011) 599-605

20. Eco-friendly and efficient synthesis of benzoxazines and benzothiazines at an ambient temperature without catalyst and their anti-fungal and anti-bacterial activity
Patil,D.R. Salunkhe,S.M. Aitawade, M. M. Deshmukh,M.B., Kolekar,G.B. and Anbhule, P.V.
Derpharma Chemica, 3 (2011) 207-214
19. Silica sulfuric acid: Recyclable and efficient catalyst for the 2-aryl benzothiazoles
Patil,D.R., Salunkhe,S.M.,Sambavekar, P.P., Deshmukh,M.B.,Kolekar, G.B., Anbhule, P.V.
Derpharma Chemica, 3 (2011) 189-193
18. A Simple Synthesis of Trisubstituted Quinolines through Transesterification
Patil, D.R., Deshmukh, M.B., Salunkhe, S.M., Anbhule, P.V.
J. Hetero. Chem. 48 (2011) 1342-1346
17. An Efficient Synthesis of 2,3,4-Trisubstituted Quinolines through Alkynylation-Cyclization at Ambient Temperature
Patil, D.R., Salunkhe, S. M., Deshmukh, M. B., Anbhule, P.V.
J. Hetero. Chem. 48 (2011) 1144-1448
16. A novel method for ranitidine hydrochloride determination in aqueous solution based on fluorescence quenching of fictionalized CdS, QDs through photo induced charge transfer process: Spectroscopic approach
Gore, A.H. Mote, U.S. Tele, S.S. Anbhule P. V. Chandra Rath, M. Patil, S.R. Kolekar, G.B.
Analyst, 136 (2011) 2606-2612
15. Fluorimetric study on the interaction between Norfloxacin and Proflavine Hemisulphate
More, V.R., Anbhule, P.V., Lee, S.H.,Patil, S.R., Kolekar, G.B.
Journal of Fluorescence, 21(2011) 1789-1796
14. Synthesis and antibacterial evaluation of (3,5-dimethyl-1H pyrazol-4-yl)-phenyl diazenes

S. A. Sankpal, M.B. Deshmukh, P.V. Anbhule, D. K. Salunkhe, K. N. Alsundkar, P. P. Patil, D. R. Chandam, S. D. Jagadale, A. G Mulik, S.S Rokade

J. Chem. Pharm. Research, 2 (2010) 574-579

13. Gallium (III) Chloride Catalyzed Synthesis of Polyhydroquinoline at Ambient Temperature and Photoluminance Study of Ethyl-1,4,7,8-tetrahydro-2,7,7-trimethyl-4-(4-chlorophenyl)-5(6H)-oxoquinolin-3-carboxylate

Patil, D. R., Deshmukh, M. B., Salunkhe, S. M., Salunkhe D. K., Kolekar G. B. and Anbhule, P. V.

Derpharma Chemica, 2(2010) 342-348

12. One Step Synthesis of 6-Amino-5-cyano-4-phenyl-2-mercapto pyrimidine Using Phosphorus Pentoxide

Patil, D.R., Salunkhe, S.M., Deshmukh, M.B., Anbhule, P.V

The Open Catalysis Journal 3 (2010) 83-86

11. Microwave assisted synthesis of some new 2-substituted 1, 4- benzothiazine derivatives.

Deshmukh, M.B., Salunkhe, S.M., Anbhule, P.V., Patil, D.R.

J. Indian chemical society 87 (2010) 1227-1230 2008-09

10. A novel and efficient one step synthesis of 2-amino-5-cyano-6-hydroxy-4-arylpyrimidines and their anti bacterial activity.

Deshmukh, M.B., Salunkhe, S.M., Patil, D.R., Anbhule, P.V.*

Euro. J. Med. Chemistry 44 (2009) 2651-2654

9. Synthesis and photophysical studies on 5-ethoxycarbonyl-4-cinnamyl-6-methyl-3,4-dihydropyrimidine-2(1H)-one in various solvents.

Lad, S.N., Mote, U.S., Bhattar, S.L., Anbhule P.V., Patil, S.R., Kolekar, G.B.

Bulletin of the Chemical Society of Ethiopia 23 (2009) 231-238

8. Synthesis, X-ray diffraction and optical spectral study of benzo-18-crown-6 containing monoazo dyes

Deshmukh, M.B., Alasundkar, K.N., Salunkhe, S.M., Salunkhe, D.K., Sankpal, S.A., Patil, D.R., Anbhule, P.V.

Indian Journal of Chem. B 48(2009) 737-740

7. Synthesis and antimicrobial activity of pyridopyrazole and pyrazolo[3,4-dihydrothiazole.
Deshmukh, M.B., Deshmukh, S.A., Jagtap, S.S., Suryavanshi, A.W., Jadhav, S.D., Anbhule, P.V.
J. Indian Chemical Society 86 (2009) 613-616
6. Synthesis of amino acid derivatives of 2-mercaptobenzothiazole
Deshmukh, M.B., Jagtap, S.S., Deshmukh, S.A., Jadhav, S.D., Anbhule, P.V.
Journal of Indian Chemical Society 85(2008) 290-292
5. Synthesis of dibenzo- 18 –crown-6 ether containing pyrimidine derivatives.
Deshmukh, M.B., Alasundkar, K.N., Salunkhe, S.M., Salunkhe, D.K., Sankpal, S.A., Patil, D.R., Anbhule, P.V.
Indian J. of Chem. B Org. and Med. Chem. 47B (2008) 1915-1917
4. A novel and environmental friendly, one-step synthesis of 2,6-Diamino-4-phenyl pyrimidine-5-carbonitrile using potassium carbonate in water.
Deshmukh, M.B., Anbhule, P.V, Jadhav, S.D., Jagtap, S.S., Patil, D.R., Salunkhe, S.M., Sankpal, S.A.*
Indian J. of Chem. B Org. and Med. Chem.47 (2008) 792-795
3. Synthesis and biological activity of some benzothiazolyl thiazolidinones.
Deshmukh, M.B., Jagtap, S.S., Deshmukh, S.A., Jadhav, S.D., Anbhule, P.V., Suryawanshi, A.W.
Journal of Indian Chemical Society 84 (2007) 498-500
2. An efficient, simple, one pot synthesis of dihydropyrimidine-2(1H)-ones using phosphorus pentoxide.
Deshmukh, M.B., Anbhule, P.V., Jadhav, S.D., Mali, A.R., Jagtap, S.S., Deshmukh, S.A.
Indian J. of Chem. B Org and Med. Chem 46 (2007) 1545-1548
1. Alkylation of Unsaturated Aldehyde and Allylic Bisacetate With Organomanganese Reagents in Presence of Tetrakis Acetonitrile Copper (I) Tetrafluoroborate
Deshmukh, M.B., Jadhav, S.D., Mali, A.R., Suryawanshi, A.W., Anbhule, P.V., Jagtap, S.S., Deshmukh, S.A.

Synthetic Communications 35 (2005) 2967-2971

Place: Kolhapur

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