

### **Curriculum Vitae**

**Prof. Dr. Govind B. Kolekar**

**M.Sc., Ph.D., MBA., Brain Pool Fellow (South Korea)**

**Chairman, Board of Studies (BOS) in Chemistry & Chemical Engg.**

**Coordinator, Prime Minister Uchhatar Shiksha Abhiyan (PM-USHA)**

**President, Shivaji University Post-graduate Teacher Association (SUPTA)**

**Senior Professor, Department of Chemistry, Shivaji University,**

**Kolhapur-416004, (MS), India.**

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**Cell: +91 9423281085**



**Residential Add.:** 'Siddhi-Vinayak' Plot B-1 (54), Mahalaxmi Park, Mhada Colony,  
Rajendranagar, Kolhapur-416004, (MS) India.

**Permanent Add.:** A/P-Shirnandagi, Tal- Mangalwedha, Dist-Solapur, PIN-413322

#### **Teaching Experience:(34Years, 05 months)**

- **Senior Professor**, Physical Chemistry in Department of Chemistry, Shivaji University, Kolhapur. (Since 16<sup>th</sup> Oct, 2020 to till date)
- **Professor, Physical Chemistry** in Department of Chemistry, Shivaji University, Kolhapur. (Since 1<sup>st</sup> January, 2009 to 15<sup>th</sup> Oct, 2020)
- **Associate Professor/Reader** in Physical Chemistry in the Department of Chemistry, Shivaji University, Kolhapur. (1<sup>st</sup> July, 2005 to 31<sup>st</sup> Dec 2008)
- **Lecturer:** Shankarrao Mohite Mahavidyalaya, Akulj (4<sup>th</sup> March 1991 to 30<sup>th</sup> June 2005)

#### **Research Interests:** Synthesis, Functionalization, Photophysical study

Analytical applications of Nanomaterials, Fluorescence based Nanosensor

- ✚ **Students Guided:** Ph.D. = 19, M.Phil. = 03, Working = 06
- ✚ **Research Publications:** International: 180+, National: 09 & Proceedings: 06
- ✚ **Text Books Published:** 04
- ✚ **Review Articles:** 05
- ✚ **Indian Patents:** 05 (Filed), 02 (Granted)
- ✚ **Total citations:** 4470
- ✚ **i10-index:** 112      **h-Index:** 35
- ✚ **Lectures/Invited Talks:** at International/National/State/College level: 50+
- ✚ **Papers Presented:** Conferences/Symposia/Seminar etc.: 50+
- ✚ **Google scholar link:** <https://scholar.google.com/citations?user=p-TRMdAAAAAJ&hl=en>
- ✚ **Search Committee shortlisted for Vice Chancellor Position**

### **Funding for The Institute:**

**I) RUSA Project Funding** (As a RUSA Coordinator): **Rs. 25.05 Cr**

**II) PM-USHA** (As a PM-USHA Coordinator): **Rs. 20.00 Cr**

**III) Research Project Funding** (Department contribution):

**a) DST- FIST-I:** Rs. 175L **b) UGC: SAP-DRS-II:** Rs. 75 L

**IV) Research Project Funding** (Individuals): **Rs. 41,94,777/-**

DAE-BRNS (1 projects), UGC (2 major & 1 minor projects) and SUK (1 major project)

### **FELLOWSHIPS/POSTDOCTORAL**

- ✓ **ARN Visiting scientist:** Hanyang University, Seoul, South Korea during May-June 2009, under Asian Research Network (ARN) program.
- ✓ **INSA Visiting fellow:** Kyungpook National University, Taegu, S. Korea during Sept.Oct.2009 under INSA, India NRF of S. Korea bilateral Exchange Program.
- ✓ **Brain Pool fellow:** Hanyang University, Seoul, South Korea (2019-2020)

### **Honor/AWARD:**

- ✓ **Fellow of Maharashtra Academy of Sciences**, Maharashtra, 2021.
- ✓ **Letter of Appreciation:** Maharashtra Talent Search Examination, N. Wadia College, Pune
- ✓ **D. D. Asagaonkar Gaurav Puraskar:** Guruvairya D. D. Asagaonkar Shaikshanik, Sanskrutik and Krida vikas Trust, Kolhapur (2025)

### **ADMINISTRATIVE EXPERIENCE: Shivaji University, Kolhapur (SUK)**

- 1) **Member**, Subject Expert Committee, DST-INSPIRE Fellowship Evaluation Level-2 (2024-2027)
- 2) **Member**, Board of Examination and Evaluation (BOE), SUK.
- 3) **Member**, Research and Recognition (RR) committee, SUK.
- 4) **Member**, **SENATE**, Shivaji University, Kolhapur (2010-2015)
- 5) **Coordinator**, Rashtriya Uchchatar Shiksha Abhiyan (RUSA) (2017-till date)
- 6) **Chairman**, **BOS** in Chemistry & Chemical Eng., SUK ( 2022 till date )
- 7) **Member**, **Academic Council**, Shivaji University, Kolhapur (2022-2023)
- 8) **Coordinator**, Department of Applied Chemistry (2017-2019)
- 9) **Head**, **Physical Chemistry section**, Dept. of Chemistry, SUK (Sept.1<sup>st</sup>, 2018 – till date)
- 10) **Chief Rector**, Hostels, Shivaji University Kolhapur (2015-2017)
- 11) **Rector**, Dr. Appasaheb Pawar Vidyarthi Bhavan 'Earn & Learn 'Scheme, SUK (2012-2015)
- 12) **Program Officer**, **National Service Scheme** (NSS), SUK (2010-2014)
- 13) **Member**, **BOS** in Chemistry & Chemical Eng., SUK (2018-2023)
- 14) **Member**, Internal Quality Assurance Cell (IQAC), SUK (2018)

### **ADMINISTRATIVE EXPERIENCE: IN OTHER UNIVERSITY**

- ✓ **Visiting Professor:** Hanyang University, Seoul, South Korea (Sept.-Dec.2014)
- ✓ **Member, Board of Studies (BOS):** Kuvempu University, Shankarghatta, Shimoga, Karnataka State (2017 onwards)
- ✓ **Member, Board of Examination (BOE)** Kuvempu University, Shankarghatta, Shimoga, Karnataka State.
- ✓ **Chairman, Board of Examination (BOE):** Akkamahadevi Womens University, Vijapur, Karnataka State (2015onwards)
- ✓ **Member, Board of Studies (BOS):** Akkamahadevi Womens University, Vijapur, Karnataka State (2016onwards)
- ✓ **Member, Board of Studies (BOS) in AGPM, PAH Solapur University, Solapur.**
- ✓ **Examiner/Referee for Ph.D. in Chemistry:** 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) Akkamahadevi Women's University, Vijayapura, 8) Venkateshwara University, Tirupati 9) Mother Teresa Women's University, Kodaikanal, Tamilnadu, 10) Bharati Deemed University, Pune 11) Mumbai University, Mumbai 12) RMIT University, Melbourne, Australia.

### **Indian Patents:(Filed)**

1. Carbon dots-Fe<sup>3+</sup> system as a dual probe for the selective determination of D-penicillamine. **(App.No.201721041497)**
2. Quick and low-cost simultaneous synthesis of sulphur doped carbon dots (S-C-dots) for the detection of Fe<sup>3+</sup> ions and activated carbon (AC) for dye adsorption in high acid environment by simple acidic carbonization of sucrose. **(App.No.201721041508)**
3. Nitrogen doped carbon dot hydrogel as a naked eye fluorescent sensor for detection of dopamine **(App.No.201921003890)**
4. Potential Application of Waste Tea Residue Derived Carbon Dots As In-Vitro and Ex-Vitro Growth Promoter In Mulberry Plants. **(App. No.202021000609)**
5. Synthesis and Characterization of Highly Fluorescent Sulphur-doped Carbon Dots for Multiple Ion Detection. **(App. No. 202321036168)**

### **Indian Patents:(Granted)**

1. Waste tea residue derived carbon nano dots enhance productivity in fenugreek by improving chlorophyll and mineral uptake. **(App.No.201921021629, Date of award 18-09-2023)**
2. Device for Detection of vitamin B2 in water **(Appl No 451330-001, Date of award 21-05-2025)**

### **Books/Book Chapter:**

1. Heteroatom/metal ion-doped carbon dots for sensing applications  
Datta B Gunjal, Omkar S Nille, Vaibhav M Naik, Rajendra V Shejwal, **Govind B Kolekar**, Anil H Gore  
Book: Carbon Dots in Analytical Chemistry (Elsevier), ISBN: 978-0-323-98350-1, 181-197.
2. UV-Shielding Biopolymer @Nanocomposites for Sustainable Packaging Applications.  
Akshay S Patil, Omkar S Nille, **Govind B Kolekar**, Daewon Sohn, Anil H Gore  
Book: Sustainable Packaging, ISBN: 978-981-16-4609-6, 177-202.
3. Valorisation of tea waste (TW) for multifaceted applications: A step towards green and sustainable development  
Omkar S. Nille, Akshay S. Patil, Ravi D. Waghmare, Vaibhav M. Naik, Datta B. Gunjal, **Govind B. Kolekar**, Anil H. Gore  
Elsevier Journal, ISBN: 602012.
4. Carbon-Based Composite Hydrogels for Environmental Remediation.  
In: Jawaid M., Ahmad A., Ismail N., Rafatullah M. (eds) Environmental Remediation Through Carbon Based Nano-Composites. Green Energy and Technology.  
Omkar S. Nille, Akshay S. Patil, **Govind B. Kolekar**, Anil H. Gore Springer-Nature, Springer, Singapore, 427-443
5. Analytical Application of carbon dots in forensics security and other related fields  
Page no 199-212,  
PR Dongare, RS Dhabbe, **GB Kolekar** and AH Gore
6. A Text Book of Physical Chemistry at B.Sc. Part-I, Shivaji University, Kolhapur  
G. B. Kolekar et.al. Sheth Prakashan, Mumbai 2003
7. A Text Book of Physical Chemistry at B.Sc. Part-II, Shivaji University, Kolhapur  
G. B. Kolekar et.al. Sheth Prakashan, Mumbai 2004
8. A Text Book of Physical Chemistry at B.Sc. Part-III, Shivaji University, Kolhapur  
G. B. Kolekar et.al. Sheth Prakashan, Mumbai 2005
9. A Text Book of Analytical & Industrial Chemistry at B.Sc. Part-III, Shivaji University, Kolhapur  
G. B. Kolekar et.al. Sheth Prakashan, Mumbai 2006

### **Memberships: Association with Professional bodies:**

- 1 Life Member-Indian Council of Chemists (ICC), Agra (INDIA)
- 2 Life Member –Luminescence Society of India.
- 3 Life Member-Indian Society for Radiation and Photochemical Sciences.
- 4 Life Member-Pradhyapak Vishwa
- 5 Life Member-Teachers Movement

### **Reviewer:**

Worked as a potential reviewer for the national and international journal like Talanta, Journal of Photochemistry and Photobiology B: Biology, ACS Applied Materials & Interfaces, Spectrochimica Acta Part A, Journal of Solution chemistry, Journal of Luminescence, Luminescence, Analytical letters, Journal of Fluorescence, RSC Advances, Sensors and Actuators: B Chemical etc.

**Extension Activities:**

- 1) **President**, Shivaji University Post-graduate Teacher Association (SUPTA) (since Feb. 2023 -till date)
- 2) **Vice President**, Shivaji University Teacher Association (SUTA) Solapur (2001-2003)
- 3) **Representative, SUTA SMM**, Akulj Dist. Solapur (1999-2005)
- 4) **Member**, (SUPTA) (2005-2007 and 2021-2023)
- 5) **Coordinator**, Assessment of Grampanchayats under Nirmal Gram Yojana, Kolhapur District (2007-2008)
- 6) **Coordinator**, International Year of Chemistry-2011, Shivaji University Kolhapur
- 7) **Staff Secretary**, Department of Chemistry, SUK (2008-2015)
- 8) **Chairman**, Staff Student welfare committee, Department of Chemistry, Shivaji University Kolhapur (2015 to 2019)
- 9) **Organizing Chairman**: Blood Donation Camp under NSS activity (2013), Shivaji University, Kolhapur.
- 10) **Organizing Secretary**: UGC-SAP National seminar on Synthesis ----Applications, Shivaji University, Kolhapur on 1st and 2nd February, 2009
- 11) **Treasurer**: International conference on Nanomaterials and Applications (ICNAMA-2008), Shivaji University, Kolhapur
- 12) **Member**: University Meritorious Scholarship Scrutiny, Department of Chemistry, Shivaji University, Kolhapur 2009-10
- 13) **Member**: Special Cell Standing Committee 2012-2016, Shivaji University, Kolhapur 15th July 2010
- 14) **In-charge/Chairman**: National Science Day-2011, Department of Chemistry, Shivaji University, Kolhapur
- 15) **Member**: 48<sup>th</sup> to 53<sup>rd</sup> Annual Report Committee member, Shivaji University, Kolhapur (2010-2016)
- 16) **Convener**: National Conference on CRCS-2013, Department of Chemistry, Shivaji University, Kolhapur during 22<sup>nd</sup> & 23<sup>rd</sup> Jan. 2013
- 17) **Examiner**: Practical/Theory Examinations of Various Universities.
- 18) **Member**: Anti-ragging Squad Committee 2012-16, Shivaji University, Kolhapur
- 19) **Program Officer**: 'Street Security Abhiyan' Organized by RTO and NSS, 2011
- 20) **Team Manager**: Avishkar, Shivaji University, Kolhapur
- 21) **Chairman**: Physical Chemistry Examination (2011-2014), SU, Kolhapur
- 22) **Assistant Divisional Controller**, Maharashtra Talent Search (MTS) Examination, Dist. Solapur (2003-2005)
- 23) **Coordinator**, Maharashtra Talent Search (MTS), Malshiras Taluka (1997-2003)
- 24) **Member**, Shivaji University Meritorious Scholarship Committee (2013-2015)

**Place:** Kolhapur

**(Dr. G. B. Kolekar)**