

Dr. Suresh M. Tuwar
Associate Professor of Chemistry
Karnatak Science College, Dharwad



Personal and Education:

Dr. Suresh M. Tuwar – Born on 1964 at Lingadahalli, Tq. Ranebennur, Dist. Haveri.

- a. Completed B.Sc. in 1986 from RTES College Ranebennur- Passed with Distinction.
- b. M.Sc. in Physical Chemistry (1988) from Karnatak University, Dharwad- passed with Distinction and 2nd Rank to the University.
- c. Ph.D. in Reaction Dynamics (1991) from Karnatak University, Dharwad.

Teaching Service:

- a. Served in Government Colleges (Gulbarga) from 1993-1997 as Lecturer in Chemistry.
- b. Karnatak Science College from 1997 to till date as Lecturer, Assistant Professor and Associate Professor of Chemistry.

Administrative services:

- a. Head, Department of Chemistry from 2015-2017, Coordinator of Biotechnology (2014).
- b. State level faculty member for Chemical and Biological Sciences for NEP-2020.
- c. Served the University in various capacities and shouldered many responsibilities like Special Officer to MPC & RV Cell, KUD, NEP- Nodal Officer, SEC - Chief Nodal Officer of KUD.
- d. Special Invitee for Karnatak University's Academic Council, Faculties of Science, Social Science and Arts and BoS of Chemistry since 2020.
- e. Prepared various regulations / ordinances/ statutes/ rules pertaining to examination reformation, implementation of CBCS, NEP-2020, Ph.D.-2022, Apprenticeship/ Internship Embedded degree programmes etc for Karnatak University, Raichur University etc.
- f. Delivered more than 50 lectures on NEP-2020 across the State through Online and Offline.
- g. As deputy Coordinator/ Coordinator, written research / development proposals for financial support from UGC, SWRO, thereby successfully obtained about Rs. 3.00 Crores to the College during UGC 11th plan period (2007-2012) and constructed Kaveri Ladies Hostel– Unit: 2, First floor of BCA and existing Criminology Department.
- h. Established independent infrastructure for M.Sc. Chemistry in Karnatak Science College during Head, Department of Chemistry.

Academic/ Research Achievements:

Research Field: Reaction Dynamics and Electrochemistry

- a. Successfully Guided for Ph.D. to 08 students and 01- for M.Phil.

As on December, 2022

- a. Published 69 research articles in international Journals.
- b. h- index-13
- c. Citations-596
- d. Presented more than 20 research articles in National and International Conferences.
- e. Written 03 books on experimental Chemistry for B.Sc. / Physical Chemistry for M.Sc.

Awards

- a. Received best research publication award – Taylor and Francis, International Publishers, London - UK in 2006.
- b. Received best research publication award – from VGST, Government of Karnatak with Rs. 25,000/- cash prize in 2010.
- c. Recipient of “**Rashayan Shikhsak Ratna**”, a Best Teacher award in Chemistry in 2020.
- d. Received more than 20 lakh as a financial support for research projects from various funding agencies *viz., Vision Group on Science and Technology (VGST), Government of Karnataka and University Grants Commission (UGC).*
- e. Visited Thailand on academic matter.

Presently(2022), working as the Director (I/C) for College Development Council (CDC), Karnatak University, Dharwad along with regular duties as Associate Professor of Chemistry in Karnatak Science College.

Some Important Publications

1. Nanostructured graphitic carbon nitride (g-C₃N₄)-CTAB modified electrode for the highly sensitive detection of amino-triazole and linuron herbicides, D Ilager, NP Shetti, KR Reddy, SM Tuwar, TM Aminabhavi, ***Environmental Research***, 204, 111856, **2022**.
2. Kinetics and mechanistic investigations on antiviral drug-valacyclovir hydrochloride by heptavalent alkaline permanganate
SM Tuwar, RM Hanabaratti, ***Journal of Chemical Sciences***, 133 (4), 1-12, **2021**
3. Detection of ketorolac drug using pencil graphite electrode
RR Sawkar, VB Patil, MM Shanbhag, NP Shetti, SM Tuwar, ***Biomedical Engineering Advances***, 2, 100009, **2021**
4. MWCNT modified glassy carbon electrode in presence of cationic surfactant for the electro-analysis of paclitaxel
JI Gowda, RM Hanabaratti, SM Tuwar, ***Results in Chemistry***, 3, 100243, **2021**
5. Glucose-based carbon electrode for trace-level detection of acetaminophen
VB Patil, RR Sawkar, D Ilager, NP Shetti, SM Tuwar, TM Aminabhavi
Electrochemical Science Advances, e202100117, **2021**.
6. Electrochemical Behavior of an Anti-Viral Drug Valacyclovir at Carbon Paste Electrode and Its Analytical Application
US Devarushi, NP Shetti, SD Bukkitgar, SM Tuwar,
Russian Journal of Electrochemistry, 54 (10), 760-768, **2018**
7. Kinetics and mechanism of oxidation of captopril by diperiodatocuprate (III) in aqueous alkaline medium, MA Angadi, SM Tuwar,
Monatshefte für Chemie, 146 (2), 219-229, **2015**.
8. Kinetics and mechanism of oxidation of DL-methionine by hexacyanoferrate (III) in aqueous alkaline medium
K Sharanabasamma, SM Tuwar, ***Journal of Sulfur Chemistry***, 31 (3), 177-187, **2010**.
9. Oxidation of furseimide by diperiodatocuprate (III) in aqueous alkaline medium—a kinetic study, MA Angadi, SM Tuwar,
Journal of Solution Chemistry, 39 (2), 165-177, **2010**.
10. Osmium(VIII) Catalyzed Oxidative Cleavage of Pyrrolidine Ring in L-Proline by Hexacyanoferrate(III) in Alkaline Media,
K Sharanabasamma, MA Angadi, MS Salunke, SM Tuwar
Industrial & Engineering Chemistry Research, 48 (23), 10381-10386, **2009**.
11. Oxidation of threonine by the analytical reagent diperiodatocuprate (III)—An autocatalysed reaction, TP Jose, SM Tuwar,
Journal of molecular structure, 827 (1-3), 137-144, **2007**.