

Name of Faculty Dr. Tammineni Venkata Surendra  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 04 – 10 – 2021  
 E-mail tvsurendra\_chm@cbit.ac.in



**Education Qualifications**

	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Chemistry)	Awarded
PG	M.Sc.	Distinction
UG	B. Sc. (Biotechnology-Biochemistry-Chemistry)	Distinction

**Work Experience**

Teaching	5.7 Years
Research	10 years
Industry	-
Others	-

Area of Specialization Materials Chemistry, Nanotechnology, Photocatalytic activity

Professional Memberships Institute for Engineering Research and Publication (IFERP), ID: PMIN42398106.

Responsibilities held at Institution Level -

Responsibilities held at Department Level -

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Engineering Chemistry, Polymer Technology, Environmental Sciences, Life Sciences, Physical Chemistry I, Physical Chemistry II, Polymer Chemistry

No. of Papers Published National Journals – Nil International Journals – 11  
 National Conference – 05 International Conference – 08

Projects Carried out --

Patents --

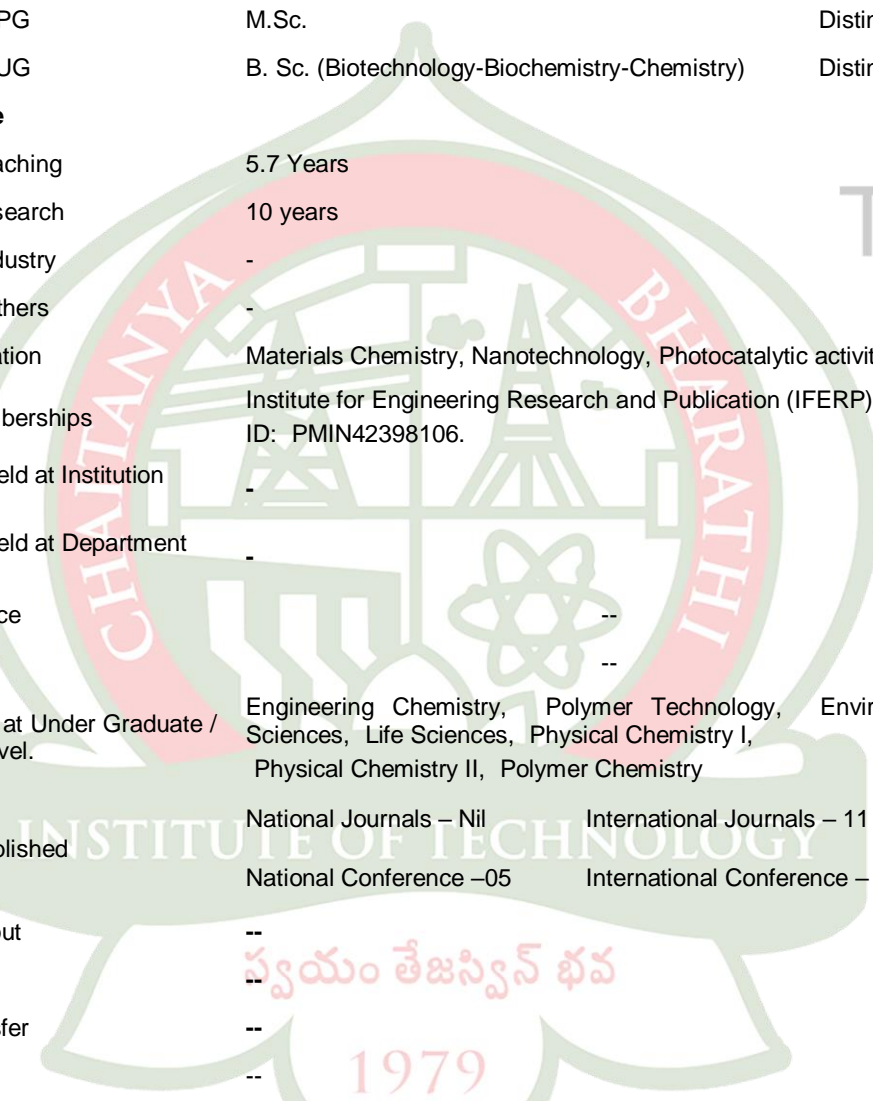
Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details

1. M. Arunpandiayan, **T.V. Surendra**, N. Yusoff, and S.V. Arunachalam (2022), Bio-Inspired Metal Oxide Nanostructures for Photocatalytic Disinfection, Vol. 121, pp. 39-82, ISBN: 978-1-64490-183-6. (Materials Research Forum LLC)
2. **T.V. Surendra\***, C.S. Espenti, M. Shankara Rao and S.V. Arunachalam (2020). Metal Oxide Modified Electrochemical Sensors for Toxic Chemicals. Vol. 2021, pp. 19-49, ISBN: 978-0-12-820727-7 (Elsevier publisher).
3. M. Arunpandiyan, **T.V. Surendra**, N. Yusoff and S.V. Arunachalam, Bioinspired metal oxide nanostructures for Photocatalytic Disinfection, In press (Elsevier publisher).
4. **T.V. Surendra\***, C.S. Espenti, S.V. Arunachalam (2020). Nanostructured materials for photocatalytic energy conversion, Vol. 2020, pp. 325-343, ISBN: 9780128195529 (Elsevier publisher).
5. A. Balakrishna, G. Sravya, **T.V. Surendra**, C. Suresh Reddy, Grigory V. Zyryanov and N. Bakthavatchala Reddy (2020). Multidrug resistance and the prospects of combination therapy, Vol. 2020, pp. 65-79, ISBN: 9780128205785 (Elsevier publisher).

TM



6. S.M. Roopan, **T.V. Surendra** and G. Madhumitha (2017). Synthesis and medicinal properties of polycarbonyls and resins from renewable sources. Handbook of composites from renewable materials., Vol. 7, pp. 363-380, ISBN: 9781119224365 (Wiley publishers).

#### **Faculty Development Programs attended**

1. Attended the online faculty development program on "Green Chemistry for Sustainable Development" conducted by organized by Department of Chemistry, SRM Institute of Science and Technology, Ramapuram campus, Chennai.
2. Attended the online faculty development program on "Evolution of Evolution of Smart Materials and their Contemporary Advances" conducted by organized by Department of Chemistry, S.T.Hindu College.
3. Attended the online faculty development program on "Role of Chemistry in Advanced Engineering Materials" conducted by organized by Department of Chemistry, Vasavi College of Engineering (A), Hyderabad.
4. Attended the online faculty development program on "Emerging Trends in Nano Technology" conducted by organized by Department of Chemistry, Vishnu Institute of Technology (A), Bhimavaram, AP.
5. Attended the online faculty development program on "Role of Chemistry in COVID-19" conducted by organized by Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies (VISTAS) on 13th May 2020.
6. Attended the Faculty development program on "Nuclear Power Technologies through ICT" conducted by National Institute of Technical teachers Training and Research, Chandigarh from 17-21st December, 2018.
7. Attended the Faculty development program on "Pedagogy of Chemistry in Higher Education" on 28th May – 1st June, 2018.
8. Attended the Faculty development program on "Research and Development, IQAC metrics and Academic Performance Index with Case Study" on 22nd June, 2017, KARE, KrishnanKovil, Tamil Nadu.
9. Attended for the Faculty development program on "Art of Counseling and Mentoring" on 20th June, 2017, KARE, KrishnanKovil, Tamil Nadu.
10. Attended the Faculty development program on "Mentor-Mentee and Consultancy Activities" on 21st June, 2017. KARE, KrishnanKovil, Tamil Nadu.
11. Attended the "Faculty Induction Program" from 12-17th, June 2017, KARE, KrishnanKovil, Tamil Nadu.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (Attended and/or organized).

#### **Conferences, FDP, Seminars, Webinars and Online Quiz program Organized**

1. Organized the online quiz contest on "A View on World Wide Vaccine Candidates@COVID-19" on 19th Aug, 2020, in Department of Chemistry, RGM CET, Nandyal, Kurnool, A.P. (Co-Convener).
2. Organized the National Webinar on "Application of Metal-Organic Frameworks (MOFs) as Electrochemical Sensors" on 27th June, 2020 in Department of Chemistry, RGM CET, Nandyal, Kurnool, A.P. (Convener).
3. Organized the FACULTY DEVELOPMENT PROGRAMME (FDP) on "Applications of Nanotechnology in Bio-medicine & Energy" on 13 to 14th July-2020, in Department of Chemistry, RGM CET, Nandyal, Kurnool, A.P. (Convener).

#### **Details of Journal Publications/ Conferences (National and International) from the Year 2017**

##### **International /National Journals from the Year 2017**

1. G.K.V.Nachiyar, **T.V. Surendra**, V. Kalaiselvi, R. Rajagopal, P. Kuppusamy, N. basavegowda, S.M. Roopan, Box–Behnken response surface methodology design for amaranth dye degradation using gold nanoparticles, Optik, Vol. 267, 169633 (Impact Factor: 2.84).
2. A.R. Dash, A.J. Lakhani, D. Devi Priya, T. V. Surendra, Md M.R. Khan, E. James Jebaseelan Samuel, S.M. Roopan (2021) Green Synthesis of Stannic Oxide Nanoparticles for Ciprofloxacin Degradation: Optimization and Modelling Using a Response Surface Methodology (RSM) Based on the Box–

Behnken Design, Journal of Cluster Science, Accepted: 5 November 2021, DOI: 10.1007/s10876-021-02198-y. (Impact Factor: 3.447).

3. S.M. Roopan, **T.V. Surendra**, Devipriya D (2021) Stannic oxide nanoparticles in Ciprofloxacin drug degradation: Biosynthesis and optimisation of photocatalyticdegradation parameters using Box- Behnken Design, Revision Submitted (Cluster Science, Impact Factor: 3.061)
4. **T.V. Surendra**, S.M. Roopan Md. Maksudur Rahman (2019), Biogenic approach to synthesize rod shaped Gd<sub>2</sub>O<sub>3</sub> NPs and its optimization using RSM-BBD model, Biotechnology progress, Vol. 35, pp. 1-12. (Impact Factor: 2.681).
5. **T.V Surendra**, D. Devipriya, S.M. Roopan, M. Maksudur Rahman, R. Hassanien (2019), Multi-perspective CuO@C nanocomposites: Synthesis using drum stick peel as carbon source and its optimization using Response Surface Methodology, Composite Part B Engineering., Vol.172, pp. 690-703 (Impact Factor: 9.078).
6. K. Anand, V. Murugan, S.M. Roopan, **T.V. Surendra**, A.A. Chuturgoon, S. Muniyasamy (2018), Degradation Treatment of 4-Nitrophenol by Moringa oleifera Synthesised GO-CeO<sub>2</sub> Nanoparticles as Catalyst, J.Inorg.Organomet. Poly. Mat., Vol. 28, pp. 2241-2248. (Impact Factor: 3.543).

**International / National Conferences from the year 2017**

1. Presented a paper entitled 'Biological Importance of *Moringa Oleifera*', in "International conferences ACBN-22" on 22 and 23<sup>rd</sup> December 2022, Yogivemana University, Andhra Pradesh.
2. Presented a paper in national conference on "Materials for sustainable development" Ramco Institute of Technology, Tamil Nadu, 11 and 12th, Jan-2018.
3. Presented a paper in International conference, "3D- Approaches in Combinatorial Chemistry: Challenges and Perspectives", Arulmigu Kalasalingam College of Pharmacy, Krishnan Kovil, Tamil Nadu, 28th, Feb- 2018.
4. Presented a paper in International conference, International Conference on Advanced Ceramics and Composites (ICACCS-18), Pachaiyappa's College, Chennai, Tamil Nadu, 2 & 3rd, Feb- 2018.
5. Presented a paper in International conference on Recent Advances in Bioresource Technology-2017 (RABT-2017), Thiruvallur University Serkhad, Vellore, Tamil Nadu, 15-17, Feb- 2017.
6. Presented a paper in National Conference on Advances in Chemical Sciences and Technology-17(NCACST-17), 2 & 3, Feb- 2017, organized by the Centre for Material Science in the Department of Science & Humanities of KCG College of Technology, Chennai, Tamil Nadu.

INSTITUTE OF TECHNOLOGY

స్వయం తేజస్విన్ భవ

1979