

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	4.5 Years
Research	9 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 – 10 National Conference –05 International Conference – 07
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	<ol style="list-style-type: none"> <li>1. <b>T.V. Surendra*</b>, 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).</li> <li>2. M. Arunpandiyam, <b>T.V. Surendra</b>, N. Yousff and S.V. Arunachalam, Bioinspired metal oxide nanostructures for Photocatalytic Disinfection, In press (Elsevier publisher).</li> <li>3. <b>T.V. Surendra*</b>, C.S. Espenti, S.V. Arunachalam (2020). Nanostructured materials for photocatalytic energy conversion, Vol. 2020, pp. 325-343, ISBN: 9780128195529 (Elsevier publisher).</li> <li>4. A. Balakrishna, G. Sravya, <b>T.V. Surendra</b>, 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).</li> <li>5. S.M. Roopan, <b>T.V. Surendra</b> and G. Madhumitha (2017). Synthesis and medicinal properties of polycarbonyls and resins from renewable sources. Handbook of composites from</li> </ol>

renewable materials., Vol. 7, pp. 363-380, ISBN: 9781119224365 (Wiley publishers).

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

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

1. 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.
2. 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.
3. Attended the Faculty development program on "Pedagogy of Chemistry in Higher Education" on 28th May – 1st June, 2018.
4. 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.
5. Attended for the Faculty development program on "Art of Counseling and Mentoring" on 20th June, 2017, KARE, KrishnanKovil, Tamil Nadu.
6. Attended the Faculty development program on "Mentor-Mentee and Consultancy Activities" on 21st June, 2017. KARE, KrishnanKovil, Tamil Nadu.
7. Attended the "Faculty Induction Program" from 12-17th, June 2017, KARE, KrishnanKovil, Tamil Nadu.

#### **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. 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)
2. **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).
3. **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).
4. 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 in national conference on "Materials for sustainable development" Ramco Institute of Technology, Tamil Nadu, 11 and 12th, Jan-2018.
2. 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.
3. 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.
4. 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.

5. 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.