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	8Years
Research	13 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-	NIRF - coordinator in the department of Chemistry. - Mentor in an induction program for B.E & B. Tech first year Students in CBIT. -
Responsibilities held at Department Level	- WBC in-charge of chemistry department - Class In-charge/Teacher at CBIT - Member- Disciplinary committee at CBIT
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

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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. Yousff 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).
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 “Current Science and Developments in Nanobiotechnology” organized by Chaitanya Bahrathi Institute of Technology, Hyderabad, during 29th Jan–02nd February 2024.
2. Attended the online faculty development program on “Quality Education through OBE” organized by Chaitanya Bahrathi Institute of Technology, Hyderabad, during 22nd - 27th January 2024.
3. Attended the online faculty development program on “Green Chemistry for Sustainable Development” organized by Department of Chemistry, SRM Institute of Science and Technology, Ramapuram campus, Chennai.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. Attended the Faculty development program on “Pedagogy of Chemistry in Higher Eduation” on 28th May – 1st June, 2018.
10. 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.
11. Attended for the Faculty development program on “Art of Counseling and Mentoring” on 20th June, 2017, KARE, KrishnanKovil, Tamil Nadu.
12. Attended the Faculty development program on “Mentor-Mentee and Consultancy Activities” on 21st June, 2017. KARE, KrishnanKovil, Tamil Nadu.
13. 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, RGMCET, Nandyal, Kurnool, A.P. (Co- Convener).
2. Organized the National Webinar on "Application of Metal-Organic Frameworks (mofs) as Electrochemical Sensors” on 27th June,
3. 2020 in Department of Chemistry, RGMCET, Nandyal, Kurnool, A.P. (Convener).
4. Organized the faculty development programme (fdp) on “Applications of Nanotechnology in Bio-medicine & Energy” on 13 to 14th July-2020, in Department of Chemistry, RGMCET, 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. B. Arun Babu, E. Chandra Sekhar, T.V. Surendra*, B. Srinivas, M. Srinivasulu, K. Peddulaiah, K. Madhusudana Rao, Sung Soo Han (2024) Synthesis and characterization of multi-responsive iron oxide nanoparticles: Evaluation of antibacterial properties and photocatalytic activity, Journal of Molecular Liquids, Vol. 417, pp. 126619, DOI: https://doi.org/10.1016/j.molliq.2024.126619, (Impact Factor: 5.3)
2. E. Chandra Sekhar, T.V. Surendra, K.S.V. Krishna Rao, M.A. Ansari, K. Madhusudana Rao, Sung Soo Han (2024) Harnessing durable antimicrobial cellulose cotton fabric coated with silver nanoparticles via a green approach for photocatalytic applications, Journal of Molecular Liquids, Vol. 416, pp.126483. DOI: https://doi.org/10.1016/j.molliq.2024.126483 (Impact Factor: 5.3)
3. D. Devi Priya, **T.V. Surendra**, S. Shajahan, S. Muthuraja, S.M. Roopan, (2023) Design and sustainable production of natural carbon incorporated CuO/C nanocomposite using Cyperus rotundus biomass, Biomass Conv. Bioref. https://doi.org/10.1007/s13399-023-04594-y. (Impact Factor: 4.1)
4. B. Srinivas, Ashok bhogi, J. Ramesh, **T.V. Surendra**, S. Ahammed, A.V. Lalitha Phani, A. Hameed, Md. Shareefuddin (2023) Effect of BaO/TeO2 oxide ratio in TiO2.B2O3.Fe2O3 glasses: Physical, thermal and optical absorption studies, Materials Today: Proceedings, Accepted. DOI: 10.1016/j.matpr.2023.04.008.
5. A.R. Dash, A.J. Lakhani, D. Devi Priya, **T. V. Surendra**, Md M.R. Khan, E. James Jebaseelan Samuel,
   S.M. Roopan (2023) 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, Vol. 34, pp. 121-133. (Impact Factor: 3.447).
6. 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).
7. 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)
8. **T.V. Surendra**, S.M. Roopan Md. Maksudur Rahman (2019), Biogenic approach to synthesize rod shaped Gd2O3 NPs and its optimization using RSM-BBD model, Biotechnology progress, Vol. 35, pp. 1-12. (Impact Factor: 2.681).
9. **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).
10. 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-CeO2 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 Oleifere’*, in “International conferences ACBN-22” on 22 and 23rd 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.


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