

Profile

Name of the Faculty	Dr. P. Sreedhar	
Designation	Associate Professor	
Department	Freshman Engineering	
Area of Interest	Organic Synthesis	
Subjects Taught	Engineering Chemistry	
JNTUH Registration Id	84150402-105725	
College Staff Code	SC0194	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D.	Organic Synthesis	Osmania University	2020
2	M.Sc.	Physical Chemistry	Osmania University	2000
3	B.Ed.	Physical Science	Kakatiya University	2002
4	B.Sc.	Maths, Physics, Chemistry	Osmania University	1997

Publications Details:

S. No.	Publication details
1	Nano-engineered Catalysts A New Frontier in Catalyst Chemistry Pandiri Sreedhar , Samuel Talari, Shirish Kumar Kodadi, Narayanam.P.S. Acharyulu, Hemambika Sadasivuni and Vishnu Kumar Khandelwal Oriental Journal of Chemistry ISSN: 0970-020 X, 2025, Vol. 41, No. (3): Pg. 765-770 http://dx.doi.org/10.13005/ojc/410308
2	Synergetic Effect of Pd Decorated CeO ₂ Support Application in Total Oxidation of Propane Srinu Bhoomandla, Gande Ravi Kumar, Voleti Nagaveni, Police Vishnu Vardhan Reddy, M. Sudha, Sreedhar Pandiri* Russian Journal of Inorganic Chemistry © Pleiades Publishing, Ltd., 2025. ISSN 0036-0236, Volume 70, Pages – 759-765, 29-4-2025 DOI: 10.1134/S0036023625600042
3	Exploration Of Phthalazine Bearing Oxadiazolyl-Triazole Hybrids As Selective Breast Cancer Agents: Computational Docking Interactions Santosh Kumar Konda, Sateesh Kuna, Sreedhar Pandiri* , Premalatha Akarapu, Srinu Bhoomandla and Pilli Veera Venkata Nanda Kishore Bull. Chem. Soc. Ethiop., 39(4), 731-748, ISSN 1011-3924

	DOI: https://dx.doi.org/10.4314/bcse.v39i4.10
4	Novel Triazolo-Tagged (Trifluoromethyl)quinazolin-4(3H)-one Derivatives and Their Anticancer Activity. Sreedhar Pandiri , Bhagalaxmi Gundeti, Srinu Bhoomandlaa, Bharath Kumar Chennuric, Madhavi Kuncham, Birudaraju Krishnaveni, and Amrita Saha Russian Journal of Organic Chemistry, Vol. 60, Suppl.1, pp. S28–S35 ISSN 1070-4280, January 2025 DOI: 10.1134/S1070428024130049
5	Design, Synthesis of Flurbiprofen Based 1,3,4-Oxadiazoles and Constrained Anticancer, Antioxidant Agents: In silico Docking Analysis SrinuBhoomandla, Bharath Kumar Chennuri, Surapaneni Sirisha, Saidulu Ganji, Rashmi Trivedi, Ananthoju Karunasri, Sreedhar Pandiri* Chemistry & Biodiversity, Vol. 22 Online ISSN:1612-1880, Print ISSN:1612-1872 https://doi.org/10.1002/cbdv.202401313
6	Novel Oxo-5-(trifluoromethyl)quinazolinyl Amide Derivatives, Their Anticancer Activity and Docking Interactions: Sr. Pandiri S. K. Konda, B. K. Chennuri, P. Akarapu, M. Kuncham, R. Korra, and S. Bhoomandla. Russian Journal of General Chemistry, Vol. 94, No. 6, pp. 1455–1463, ISSN 1070-3632, August 16, 2024, DOI: https://10.1134/S1070363224060227
7	Observations on the structural, piezoelectric, and impedance properties of cation-(La an Sn) modified lead zirconium titanate (PLZST) ceramics. Kalpana Tirumalseti, J. Ashok, Ravi Gudguntla, N.Ch. Ramesh Babu, P. Geetha, virupakshiPrabhakar, G. Nagaraju, A. Chittibabu, Pandiri Sreedhar* Journal of Materials Science: Materials in Electronics, 35,454, ISSN: 0957-4522 https://doi.org/10.1007/s10854-024-12244-w .
8	Novel amide functionalized pyridine derivatives and their anticancer activity and molecular docking studies 9Bhoomandla Srinu, Pandiri Sreedhar , Basireddy Sravanthi, Gundla Rambabu, Velavalapalli Vani Madhuri, Venishetty Sunil Kumar, and Kanuparthi Phani Raja* Research Journal of Chemistry and Environment, Volume 27(5), Year 2023, Pages 65-72, https://scopus.com/sourceid/5300152224
9	Synthesis and characterization of NiO-Bi ₂ O ₃ nanocomposite material for effective photodegradation of the dyes and agricultural soil pollutants Keshavulu Masula, P. Sreedhar , P. Vijay Kumar, Yadagiri Bhongiri, Someshwar Pola, Manohar Basude Material Science in Semiconductor Processing, Volume,160, 5-3-2023, 1369-8001, https://doi.org/10.1016/j.mssp.2023.107432
10	Common Dimer-Responsible for the Trends in pKaHs of Both Pyridazinium Cations and Di-cations: An Educational Perspective Sanjeev Rachuru, Sreedhar Pandiri , D.A. Padmavathi, Jagannadham Vandanapu* World Journal of Chemical Education, Volume 11(1), 5-2-2023, 4-6 DOI: 10.12691/wjce-11-1-2
11	Carbon Credits: Project Based Learning to enhance conceptual Understanding R. Sanjeev, R. Veda vrath, Pandiri Sreedhar , Anil Kumar Ambala, V. Jagannadham Resonance-Journal of Science Education, Volume 27, Year 2022, 667-671, ISSN 0971-8044.
12	Do We Really Need the Concentration and Volume of a Solution of a Weak Acid to Calculate the Percentage Ionization or Degree of Ionization?

	R. Sanjeev, P. Sreedhar , V. Jagannadham World Journal of Chemical Education, 9(2), 16-8-2021, 64-67 DOI: 10.12691/wjce-9-2-5
13	Tetrahedral Nature Determines the Stability of Reactive Intermediates A Chemical Education Perspective Sanjeev Rachuru, Jagannadham Vandanapu, Sreedhar Pandiri Oriental Journal of Chemistry, Volume 35, Number 1, 16-01-2019, Pg. 461-465, ISSN: 0970-020 X DOI : http://dx.doi.org/10.13005/ojc/350160
14	Taft Equation A Convenient Tool to Decide the Position of Attack in the Reactions of Aliphatic Amines and Thallium (iii) R. Sanjeev *, V. Jagannadham, Adam A Skelton, Pandiri Sreedhar , V.E.M. Mamatha Bethapudi, R. Veda Vrath Oriental Journal of Chemistry, Volume, Volume 33, issue: 5, Year 2017, Page: 2292-2296, ISSN: 2231-5039, DOI :http://dx.doi.org/10.13005/ojc/330517
15	Synthesis characterization and antibacterial activity of novel Schiff bases Pandiri Sreedhar, Gudipati Srinivas, Rallabandi Madhusudan Raju* Asian journal of Chemistry, Volume 28, Year 2016, Pages 1603-1606, ISSN 0975- 427X
16	Synthesis characterization and antibacterial activity of novel schiff bases bearing Thiazole ring Pandiri Sreedhar, Gudipati Srinivas, Rallabandi Madhusudan Raju* Journal of Applicable Chemistry, Volume 54, Year 2016, Pages 776-782, ISSN: 2278-1862
17	Synthesis and antibacterial activity of N substituted 1 Benzyl – 1, 2, 3 triazole- carbohydrazide derivatives P. Sreedhar, G. Srinivas, R. Madhusudan Raju* Der Pharma Chemica, Volume, Year 2016, 8 (10), Pages 173-178, ISSN 0975-413X

Experience:

Teaching	24 years
Industry	-
Research	-
Total Experience	24 Years