



K. S. INSTITUTE OF TECHNOLOGY

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Faculty Name	Dr Shobha G	
Designation	ASST. PROFESSOR	
Educational Qualification	Ph.D	
Experience in Years	Teaching: 14Years Industry : -	
Areas of Interest	Biotechnology	
Aadhar Number	224616671130	
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Educational Details

Examination/ Degree	Specialization	College / University	Year of Passing
UG	B.Sc-BBM	JSS College, Ooty Road/ University of Mysore	2004
PG	Bioscience	Hemagangotri, Hassan/ University of Mysore	2006
PhD	Biotechnology	Sir MVIT /VTU, Belagum	2020

Publications

Journal Publications:

Sl.No	Year	Publications
1	2023	Surendra Bs, Gurushantha K, Sampath Chinnam, Vijaya VShanbhag, Kiran T, Chandrasekhar M, Manjula Sn, Shobha G & Ananda Murthy Hc Electrochemicalsensor, antimicrobial and Environmental Assessments of Bi ³⁺ :Mg(1-x) Zrx O4 NPs synthesized by bio-mediated combustion method, Sensing Technology, 2023, Scopus, Q2, DOI: 10.1080/28361466.2023.2266366, 1-26
2	2023	D. Rajeshree Patwari, B.N. Swetha, K. Gurushantha, G. Shobha , N. Srinatha, Sadanand K. Mushrif, Rajeev Ramachandra Kolgi, K.P. Roopa, K. Keshavamurthy, Photocatalytic and antimicrobial activities of biofunctionalized Ag nanoparticles derived from combustion method, Results in Optics, Issue 12, Vol (2023) 100472, Scopus, Q2, IF 3, SJR 0.1https://doi.org/10.1016/j.rio.2023.100472
3	2023	SG Pallavi Gowda J,Yashaswini B R ,Keerthi Reddy S ,Varsha C , Rohini B N, Shobha G, <u>Extraction and Characterization of Starch from Potato and Corn</u> , GRADIVA REVIEW JOURNAL 9 (ISSUE 4), 151-156, ISSN 0363-

		8057, Scopus, Q4, Hi Index 0, IF 6.3, SJR 0.1
4	2023	Kaushik PM, Shobha G, Soumya C, Prashanth Kumar HP, <u>A Review on Flood analysis, Management and Biodiversity Conservation by In-situ and Ex-Situ methods</u> POETIQUE JOURNAL, 10 (Issue 3,), 171-204, ISSN 000322024, Scopus, Q3, Hi Index 4, IF 0.02, SJR 0.1
5	2023	Raksha Umashankar, S. HarshithaDevi, K. Gurushantha, S.O. Manjunatha, M. Al-Dossari, G. Shobha, K.J. Rudresh Kumar, M.R. Suresh Kumar, K. Keshavamurthy, N.S. Abd EL-Gawaad, A. Madhu, S. Satyanarayana Reddy, N. Srinatha, <u>Improved photocatalytic, antimicrobial and photoelectrochemical properties of nanocrystalline Cu²⁺-doped ZnO nanoparticles</u> , Ceramics International, 11 April 2023, https://doi.org/10.1016/j.ceramint.2023.04.077 , ISSN 02728842, Scopus, Q1, Hi Index 140, IF 5.3
6	2022	Srirama P Bhat, Shobha G , Crispr/Cas: An Emerging Genome Editing Tool To Combat Viral Infections In Humans , International Journal of Technology and Engineering Studies, Vol 8 (1), pp. 13-21, July 2022, doi: https://dx.doi.org/10.20469/ijtes.8.40003-1
7	2021	Soumya C, Prashanth Kumar HP, Allwin Ebinesar JSS, Kavya MV, Ramya DL and Shobha G , Computational biology boon for complex Diseases: predictive precision medicine, Gedrag & organisatie review, Vol. 34(3), pp 225-237, Sep 2021. ISSN: 0921-5077, Scopus Index , Q4, Hi Index 13, IF 0.14, http://lemma-tijdschriften.com/
8	2020	G. Shobha & K. S. Shashidhara & Chandrashekhar Naik, Cuprous Oxide Nanoparticles Induced Antioxidant Response and Genotoxicity in <i>Lycopersicum esculentum</i> , Oct 2020, BioNanoScience, pp 1-12, https://doi.org/10.1007/s12668-020-00796-0
9	2020	Shobha G, Shashidhara KS, Chandrashekhar Naik, Effect of Green Synthesized Cuprous Oxide Nanoparticles on Agronomical Traits Of Tomato (<i>Lycopersicon esculentum</i>), Journal of Seybold Report , VOL 15(9), Sep 2020 , pp 1792-1802, ISSN NO: 1533-9211
10	2019	In Vitro Cytotoxicity Study of Green Synthesized Copper Nanoparticles, Research Journal of Biotechnology, Vol. 14 (8) August (2019), 105-111.
11	2019	Nano-cuprous oxide enhances seed germination and seedling growth in <i>Lycopersicum esculentum</i> plants, Journal of Drug Delivery & Therapeutics, 9(2):296-302
12	2018	Enzyme assisted bioactive extraction from <i>Flacourtia montana</i> and investigation of its in-vitro antioxidant and anti-diabetic activity International Journal of Pharmacy and Biological Sciences ISSN: 2321-3272 (Print), ISSN: 2230-7605 (Online) IJPBS, Volume 8 (1), JAN-MAR-2018, 384-390.

13	2017	Biodiesel Production from Simarouba Deoiled-Cake By Transesterification And Phytochemical Analysis, International Journal Of Pharmacy And Biological Sciences, ISSN: 2321-3272 (Print), Issn: 2230-7605 (Online) IJPBS, Volume 7 (3), 36-42, 2017.
14	2017	Plant Pathovars Inhibition from Copper Based Nanoparticles Synthesized from Leaf Extract Of Flacourtia Montana, Journal Of Bionanoscience, Vol. 11(12), 1-8, 2017. Doi:10.1166/jbns.2017.1481
15	2016	Production of bioethanol from agrowaste processed Areca catechu Water. International Journal of Pharma and bioscience, 7(2):530-536, 2016.
16	2016	Power Generation from Kitchen and Industrial Waste Water using Microbial Fuel Cells (MFCs) with Graphite Cathode and Anodes Journal of Alternate Energy Sources and Technologies, 7(1):14-22, 2016.
17	2015	Isolation, characterization and optimization of process variables for partially purified immobilized α -amylase isolated from Indian chicken feather, Int J Pharm Bio Sci 2015 April; 6(2): (B) 1165 - 1171
18	2015	A review on various types of toxins, Pharmacophore, 2015, vol. 6 (4), 181-188
19	2014	Study on induce defense related enzymes in <i>Capsicum annum</i> infected with <i>Xanthomonas vesicatoria</i> , International journal of Advanced research, 2014:2(10), 720-724
20	2014	Biological transesterification of poultry waste to biodiesel using bacteria isolated from chicken feather, International journal of recent scientific research, 2014:5(9), 1729-1732
21	2014	Biological Synthesis of Copper Nanoparticles and its impact - a Review, <i>International Journal of Pharmaceutical Science Invention</i> , 2014:3(8),28-38
22	2014	Phytochemical profile, Antibacterial and Antidiabetic effect of crude aqueous leaf extract of <i>Datura stramonium</i> , Pharmacophore, 2014:5(2), 273-278
23	2014	A study on caffeine effect of tea on health, International Journal of Advanced Biotechnology and Research, 2014: 15(3), 59-363
24	2014	Study on advanced application of mint oil, Journal of Advanced Scientific Research, 2014, 5(4), 01-03
25	2014	Estimation of crude caffeine in different types of tea, J Adv Sci Res, 2014, 5(4): 39-42
26	2012	"Antagonistic effect of the newly isolated PGPR <i>Bacillus</i> spp on <i>Fusarium oxysporum</i> " International Journal of Applied Science and Engineering, 2012:1(3), 463-474

Conference Papers:

Awards/ Recognition/Achievement/Others

- **Best project award** for “Bioplastic Extraction from Waste Grease Produced in Industries Using as Glycerol as a Substrate” from Karnataka State council for Science and Technology in the year 2019
- **Best Oral Presentation** on “Rapid Biosynthesis of Copper nanoparticle and their effect on growth of *Lycopersicon esculentum*” at National conference on “Smart Synergy”- Emerging trends in application of Smart materials held during 14th February 2019 at Maharani Lakshmi Ammanni College for Women

Projects Sanctioned

Sl.No	Project No	Project
1	KSCST -BF 2022-2023	46S_BE_2026 A sustainable technology for enhancing plant growth using copper based nanomaterial by microbial siderophores production in plant rhizosphere and its influence on iron uptake
2	KSCST -BF 2022-2023	46S_BE_2778 Development of eco-friendly biodegradable food packaging film from by-products of fruit waste and processing with different plasticizers
3	VGST-RGSF 2020-2021	Polylactic acid reinforced by microcrystalline cellulose biocomposite for biomedical application
4	KSCST -BF 2020	43S-BE-0378 Development of Bioplastic by cross linking of Agar and glycerol derived from Biodiesel
5	VGST-RGSF 2019-2020	Development of Ecofriendly Biopolymer by cross linking of Agar and Glycerol derived from Biodiesel for domestic purpose
6	KSCST -BF 2019	42S_B_BE_003 Bioplastic Extraction from Waste Grease Produced In Industries Using As Glycerol As A Substrate
7	KSCST -BF 2018	41S_B_BE_076 - Design and Lab scale ultrasound batch reactor for the production of biodiesel from the slaughter waste
8	KSCST -BF 2016	39S_B_BE_050 - Simarouba Oil cake: The solid low value substrate to produce lipase with potential application in Biodiesel extraction and to assay the toxicity of phytochemical in inhibition of lipase activity
9	KSCST -BF 2015	38S_B_BE_038 - The potential utilization of processed areca catechu water an agrowaste for bioethanol production by fermentation process, from
10	KSCST-BF 2014	37S_B_BE_022 - Biological conversion of poultry waste to biodiesel using bacteria isolated lipase for trans esterification

Professional Membership

1. Society for Biotechnologist

Contact Details

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