



FACULTY PROFILE

Name of the faculty	Dr. SOUMYA C
Designation	ASSISTANT PROFESSOR
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Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	Biotechnology	Kuvempu University	2019
M.Sc	Biotechnology	Kuvempu University	2003
B.Sc	Biochemistry, Microbiology, Botany	Kuvempu University	2001

Work Experience

Teaching	Research	Industry
15	6	

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
15	5	

Area of Interest

<ul style="list-style-type: none">Genomics and proteomics	Agriculture Biotechnology
<ul style="list-style-type: none">Environmental Biotechnology	

Membership in Professional Bodies/University Bodies/Organization

SBTI

Publications National/International Journals

- 1 “Study on Advanced Application of Mint Oil” Journal of Advanced Scientific Research, Vol. 5 Issue 4, p1-3.2014
2. “Estimation of Crude Caffeine in Different Types of Tea” Journal of Advanced Scientific Research., Volume 5 issue 4, p39-42.2014.
- 3 “A study on caffeine effect of tea on health” International Journal of Advanced Biotechnology and Research, Vol 5, Issue3, pp359-363.2014.
4. “Phytochemical profile, Antibacterial and Antidiabetic effect of crude aqueous leaf extract of *Datura stramonium*.” Journal of Pharmacophore, Vol. 5 (2), pp273-278.2014.
5. “Study on induce defense related enzymes in capsicum annum infected with *Xanthomonas vesicatoria*” International journal of Advanced research Volume 2 issue 10 pp720-724.2014.
6. “Production of Biofuel from Micro Algae (*Chlorella pyrenoidosa*) Using Vertical Reactor System and Effect of Nitrogen on Growth and Lipid Content” Journal of Academia and Industrial Research, Volume 4, Issue pp179.2015.
7. “A research paper "Invitro investigation of antibacterial, antioxidant activity and phytochemical screening of steam distilled fruit extract of *Terminalia chebula*.” Int. Journal of Pharma and Bioscience, Volume6 (P) 430 – 438.2015.
8. “A review on various types of toxins” Journal of Pharmacophore, Volume 6, issue 4 pp 181-188.2015.
9. “Power Generation from Kitchen and Industrial Waste Water using Microbial Fuel Cells (MFCs) with Graphite Cathode and Anode” Journal of Alternate Energy Sources and Technologies, Volume 6 Issue 1 pp 516-521.2015.
10. “Physiological studies of *Helminthosporium pathovars* Isolated from Infected Maize Plant in the Region of Karnataka” International Journal of Science and Research.2017.
11. “Assessment of Petrol and Petroleum Derivatives Degradation by *Aspergillus Niger*” International Journal of Scientific Research in Science, Engineering and Technology, Volume 4 |, Issue 1, 637-647.2018.
12. “Environmental Effect Studies on Aviation Contrails and Cirrus Clouds” Environment Asia 11(2) 164-171. 2018.
13. “Assessment of Genetic Variability in *Helminthosporium maydis* Infecting *Zea mays* in the Region of Karnataka”, Journal of Bionanoscience.2018.
14. “Nature’s best medicine for everyone -Dietary Flavonoids” International Journal of fundamental and applied sciences Vol. 7, No. 2, 4-10, 2018.
15. “Assessment of Pathogenicity of *Helminthosporium maydis* causing Southern Corn Leaf Blight Disease in the Region of Karnataka” Journal of Drug Delivery and Therapeutics; 9(4):146-154, 2019.

National /International Conferences

- 1. Presented paper on** “Phytochemical profile, Antibacterial and Antidiabetic effect of crude aqueous leaf extract of *Datura stramonium*” in an international conference on convergence of science, engineering and management in education and research – a global perspective Held on 26th September 2013 at Dayananda Sagar institution, Bangalore.
- 2. Presented a paper on** “a novel approaches for the manufacturing of paper using cellulose extract from wet organic waste” in a national conference on sustainable engineering and management held on 26th -27th May 2017 at The Oxford college of engineering, Bangalore.
- 3. Presented paper** in two days international conference on environmental health and policy nexus organized by Jagadguru Sri Shivarathreshwara University on 27th & 28th July 2017.
- 4. Presented Poster contest in ENVIRO CONCLAVE-** Green and Clean India: National Project Design Contest and Conference on Recent advances in Green Chemistry and Sustainable Development Held on 8th and 9th March, 2018.
- 5. Presented a Paper** in two Days international Conference on Global Convergence in Technology, Entrepreneurship, computing and value: Principle and Practices (ICGCP2021) on 16th & 17th 2021 at Sapthagiri College of Engineering, Bangalore

Faculty Development Programme Participated

1. A faculty development programme in Bioinformatics held during 28th July-7th August 2004 organized by Sir MVIT and VTU Belgaum.
2. Participated in one-week faculty development program on “Bimolecular Separation techniques”, conducted at Department of Biotechnology, BMS college of Engineering from 27th Feb – 3rd March, 2017
3. Participated in one day “Faculty development program” conducted in Sapthagiri college on 22nd of Jan 2015
4. Participated in the FDP on “DNA finger printing technology, Molecular Markers and bioinformatics” organized by Department of Biological Sciences, Dayananda Sagar institutions, Bengaluru and Karnataka Science and Technology Academy, Department of Science and technology, Government of Karnataka on 28th Feb – 1st March 2014.
5. Participated in the FDP on Studying Gene Expression using Genomic approaches - Bulk to single cell expression analysis, held on the 23rd and 24th of July, 2020 at, School of Applied Sciences, Department of Biotechnology, Reva University

6. **Participated in the FDP** on ‘Research methodology: Emerging perspectives, Challenges and Opportunities’ from 25th July 2020 to 31st July 2020 and Obtained the Grade A. at Government first grade College, Badami 587201
7. Participated in the FDP on **Bio-innovation, Patenting and Entrepreneurship Opportunities in Biotechnology for Sustainable Environment** from 15th to 26th February 2021.

Workshop attended

1. Workshop on DNA Finger printing technology, molecular markers and Bioinformatics jointly organized by the dept of biological science Dayananda sagar institution, Bangalore and KSTA, dept of science & technology, Govt of Karnataka on 28th FEB and 1st March 2014.
2. Workshop on research avenues in genomics, organized by department of computer science in association with IETE and ISTE during 17th to 21st December 2018 at Jawaharlal Nehru National College of Engineering, Shivamogga.

Awards/Recognition/Achievement/Others

KSCST-BF 2014 37S.B.BE.044 Production of Biofuel from soil and waste water Algae using Vertical Bioreactor system (**Biofuel Project Award/ Best Project of the Year**)

KSCST-BF 2014 37S.B.BE.043 Power Generation Using Microbial Fuel Cells with Graphite as Anode and Cathode

KSCST-BF 2015 38S-B-BE-1628 Fungal lignin peroxidase for the treatment of paper, pulp and textile effluent treatment

KSCST-BF2 018 41S_B_BE_076 - Design and Lab scale ultrasound batch reactor for the production of biodiesel from the slaughter waste.

Agasthya foundation 2014 Defluoridization purification of hard water using candle filter and as absorbent medium as double filter

KSCST -BF 2019: 42 S_B_BE_003 Bioplastic Extraction from Waste Grease Produced In Industries Using As Glycerol as A Substrate

Vision Group Science and Technology (VGST), Government of Karnataka, Grant of Forty thousand for research project “*Ayurvedic Medicinal Kit*” in 2016.