


Faculty Name	Soumya C	
Designation	Assistant Professor G2	
Educational Qualification	M. Sc., M.Phil (Ph.D)	
Experience	14 years	
Email-ID	sowmyac@sapthagiri.edu.in	

Area of Interest:

- Genomics and proteomics
- Agricultural Biotechnology
- Environmental Biotechnology

Awards/Recognitions/achievements:

- Awarded as Best Biofuel Project / Best Project of the Year for project “Production of Biofuel from Algae using Vertical Bioreactor- Construction of Vertical reactor for Algal growth and lipid production” sponsored by KSCST- KSBDB.

Grants Obtained:

- Project: Production of Biofuel from Algae using Vertical Bioreactor- Construction of Vertical reactor for Algal growth and lipid production, Funded by KSCST- KSBDB in the 2014.
- Project: Power Generation Using Microbial Fuel Cells with Graphite as Anode and Cathode- Power Generation from waste water using MFCs, Funded by KSCST- KSBDB in the 2014.
- Project: Deflouridization purification of hard water using candle filter and as absorbent medium as double filter, Funded by Agasthya foundation in the year 2014
- Project: Fungal lignin peroxidase for the treatment of paper, pulp and textile effluent treatment- Lignin degradation from fungal peroxidase, Funded by KSCST in the 2015.
- Project: Design of lab scale ultrasound batch reactor for the production of biodiesel from the slaughter waste, Funded by KSCST in the 2018.

Publications: International/National 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. “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.
 11. “Environmental Effect Studies on Aviation Contrails and Cirrus Clouds” Environment Asia 11(2) 164-171. 2018.
 12. “Assessment of Genetic Variability in *Helminthosporium maydis* Infecting *Zea mays* in the Region of Karnataka”, Journal of Bionanoscience, Vol.12, 1–6,2018.
 13. “Nature’s best medicine for everyone -Dietary Flavonoids” International Journal of fundamental and applied sciences Vol. 7, No. 2, 4-10, 2018.
 14. “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.

International/National 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 Shivarathreeshwara 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 My Ideas 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.