




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF CHEMISTRY

Faculty Name	Dr.Shivakumar B S	
Designation	Assistant Professor	
Educational Qualification	M.Sc.,B.Ed. M.Phil., Ph.D.	
Experience in Years	19	
Area of Interest	Phytochemistry and Organic synthesis	
Email ID	drshivakumarbs78@gmail.com	

Educational Details

- Ph.D - Phytochemistry and Organic Synthesis.
- B.Ed- Chemistry-Biology Method.
- M.Sc.-Bio-Chemistry.
- BSc-Chemistry, Botany and Zoology.

Personal Details

- Date of Birth:21/07/1978
- Hobbies: Reading books and Isolate the novel compounds from the medicinal plants and find out its medicinal uses.
- Languages Known: Kannada, English, Hindi and Telugu

Professional Experience

- Worked as lecturer in Chemistry at **Basava Academy of Engineering** from 2003to 2006
- Worked as lecturer in Chemistry at **DSI** from 2006to 2011
- Working as Assistant professor in Chemistry at **DSATM** from 2011

Publications

International Journals:

1. K.S.Dayananda., **Shivakumar B.S.**, Rohith K.C.,Shyam Dhar Dubey. Inhibitory effect of Androgrphis-Panculata on Pepsin Enzyme. **Int. J. Indigenous Medicinal Plants., 2015,48(1):1789-1792.**
2. **Shivakumar B S.**, G.R.Vijayakumar., Vaidya V P., Ramaiah M. One pot-synthesis and evaluation of pharmacological activities of 2-acetyl-1-naphthol, 6-hydroxytetracene -5- 12-dione and 7 - acetyl - 6 - hydroxytetracene - 5 - 12 - dione communicated in **Indo Am. J. Pharm. Res., 2014; 4(11):5300-5305.**
3. **Shivakumar B.S.**, M. Ramaiah, MR. Hema, Vijay Kumar M, Vaidya VP. Quantitative Determination of Total Content of Phenol, Flavonoid AndTannin In Leaf Extractof *Barlaria Buxifolia* Linn **Am. J. Pharm. Tech. Res. 2012; 2(5):417-422.**
4. **Shivakumar. B. S**, M. Ramaiah, Hema M R, V P. Vaidya. Evaluation of In-Vitro Anticancer Activity of *Barlaria buxifolia* Linn Extracts Against Dalton's Lymphoma Ascites Cell line. **Int. J. Med. Res., 2012; 1(5): 297-300.**

National Journals:

1. M. R. Hema , M. Ramaiah, V. P. Vaidya , **B. S. Shivakumar** and G. S. Suresh. Synthesis

and biological activity of carbamates derived from ethyl 1-[(phenylcarbonyl)amino]naphtho[2,1-b]furan-2-carboxylate **J. Chem. Pharm. Res., 2013, 5(4):47-51.**

2. M. R. Hema , M. Ramaiah, V. P. Vaidya , **B. S. Shivakumar** and G. S. Suresh. Synthesis and biological activity of carbamates derived from ethyl 1-[(phenylcarbonyl)amino]naphtho[2,1-b]furan-2-carboxylate. **Res. J. Pharm. Biol. Chem. Sci. 2013, 5(4):47-51.**
3. **Shivakumar BS**, M Ramaiah, MR Hema and VP Vaidya Antituberculosis Activity Of *Barlaria Buxifolia* Linn Using MicroplateAlmar Blue Assay (MABA).**Res. J. Pharm. Biol. Chem. Sci. 2012; 3 (1): 873-878.**
4. **Shivakumar. B. S**, M. Ramaiah, Hema M. R, V. P. Vaidya and Abida Begum, Screening of *invitro*antimicrobial activity of *Barlaria buxifolia* Linn.(Acanthaceae) stem extract. **J. Chem. Pharm. Res.,2011, 3(5):420-424.**

Conferences:

- Participated in **Empowered leadership programme** Organized by Center for innovation and leadership of Dayananda sagar Institutions during 2007-08.
- Participated in **PLACEBO-08** conducted by Dayananda Sagar College of biological sciences, on 2nd April 2008.
- Participated in **National environment awareness campaign** Organized by Dayananda Sagar College of biological sciences, in association with the ministry of environment and forests, Govt. of India and KRVP, Bangalore held on 24th February 2009.
- Participated in one day symposium –**Biosciences Today** held on 25th March 2009 at Dayananda Sagar College of biological sciences, Bangalore.
- Participated in Two day lecture workshop on **Integrated approach towards understanding Darwinism** held at NMKRV College for women, Bangalore on 4th and 5th September 2009.
- Participated in the National seminar on **Recent Advances in Organic Synthesis and Biosciences** organized by the dept of chemistry, Christ University Bangalore held on 18th February 2010.
- Participated in the workshop on “**Recent Techniques in Immunology and Molecular Biology**” conducted by the Department of Biological Sciences, in association with Aristogene Biosciences Pvt.Ltd., Bangalore, on October 8th and 9th 2010.
- Participated in the UGC-SAP sponsored a two day National conference on **Recent Trends in Chemical and Biological Sciences** held at the department of Chemistry Kuvempu university, Shankaragatta, Shimoga during March 30th-31st 2010.
- Participated in 29th Annual conference of **Indian Council of Chemists** held at Department of Chemistry, Panjab University, Chandigarh on 19th-21st December 2010.
- Presented a paper orally On **One pot -synthesis of 10-acetyl-11-hydroxy tetracenedione and 2-acetyl -1- hydroxyl Naphthalene as the starting material for**

the synthesis of tetracene flavones derivatives at 29th Annual conference of Indian Council of Chemists held at Department of Chemistry, Panjab University, Chandigarh on 19th-21st December 2010.

- Participated in one day orientation programme held on 10th sept.2009 at Dr.C.D. Sagar auditorium, DSI Campus , Bangalore.
- Participated in one-day orientation programme held on 04th Oct 2008 at Dr.C.D. Sagar auditorium, DSI Campus, Bangalore.
- Participated in a Two Day Workshop on NAAC-Re-Accreditation held on 16th & 17th Nov.2009, organized by Dayananda Sagar Institutions, Bangalore in association with Centre for Management Education Services, Bangalore.
- Presented a paper on **Anti microbial activity of the Root of the plant *Barlaria buxifolia* Linn on National conference held on 1st March 2011 at NMKRV College for Women, Jayanagara III Block, Bangalore.**
- Participated in the UGC-SAP sponsored a one day **National conference on ‘Chemistry for Society and Industry’** Organized by Department of Chemistry Jyothinivas college, Autonomous, Bangalore in Collaboration with Department of Chemistry, Bangalore university and Uniliver R & D, Bangalore on 5th March 2011, held at Jyothinivas college, Autonomous, Bangalore.
- Participated in the UGC-SAP sponsored a two days **Symposium on ‘Chemistry for Sustainable Development’ held on 10th & 11th March, 2011 in Commemoration with International year of Chemistry-2011**, Organized by Department of Chemistry **Maharani Lakshmi Ammanni College** For Women, Bangalore.
- Participated in First National conference on Green Computing Technologies 2015 (**NCGCT-2015**) held at **DSATM, Bangalore on 7th May 2015.**
- Participated in Second National conference on Convergence of Technology and Management (**NCCSTM-2016**) held at **DSATM, Bangalore on 5th May 2016.**
- Participated in “Third National Conference on Convergence of Science, Technology & Management (**NCCSTM–2017**) held at **DSATM, Bangalore on 19th May 2017.**
- Participated in Conference on "**Intellectual Property rights (IPR) & Procedures**" on **09-03-2017.**
- Attended Three days workshop on **Teaching Learning Methodology**, Organized by DSATM, held on 26-07-2018 to 28-07-2018.

Academic Activity

- Academic Coordinator from 2009 to 2011 at DSI.
- I/C HOD, Department of Chemistry DSATM between 2012 to May 2014,2018-2019
- First year Coordinator between 2012 to July 2017.

- Involved in all time-table preparation for regular classes, internal assessment tests and for VTU practical examinations.
- I counseled students with poor academics and attendance is been my major responsibility
- In-charge for proctor system for all First year students between 2012 to July 2017.
- I have taken responsibility for circulating 4,000 text books at the free of cost for the I &II semester students between 2012 to July 2017.
- Actively involving in the department activities.
- Involved in VTU confidential work such as Deputy Chief Superintendent, Squad Chairmen / Member, Examiner for practical exams, Question paper setter etc.
- BOS, VTU nominee at BMS college of engineering

Faculty Development Activity

- Emphasize practical suggestions
- Use engineering and science examples to illustrate all recommended techniques
- Attended **5 days online workshop on Universal Human Values in Education** from 06-12-2021 to 10-12-2021 organized by AICTE.
- Attended **5 days online faculty development** programme on **Advances in Materials and Characterization Techniques-AMCT-2020**, from 02-11-2020 to 06-11-2020 organized by Department of Physics, DSATM.
- Attended One day Webinar on **Drug awareness and prevention for healthy society** on 23-10-2020 organized by NSS forum, DSATM.
- Taken the pledge to support **5 senior Citizens in my family/neighborhood** and committed himself to the moral responsibility of caring for Elders on 22-10-2020.
- Attended Endowment Lecture sponsored by **SINTEX BAPL on new opportunities in Sustainable Materials and Latest Technological trends in Injection Moulding for Automotive Market**, hosted by Indian Plastic Institute, Mysore chapter c/o Department of Polymer Science and Technology, SJCE, JSSSTU, Mysore on 12-10-2020.
- Participated in the International Webinar of **Applications of Mass Spectroscopy in Chemistry and beyond**, organized by **Department of Chemistry, BMS Institute of Technology & Management**, Bangalore on 19-09-2020.
- Participated in Three days National Webinar Series on **Role of Chemistry in Engineering and Society** from 12-08-2020 to 14-08-2020, organized by the department of Chemistry, JNN college of Engineering, Shimoga.
- Participated in the Webinar on **Importance, Necessity and Thrust Areas of Research-an Indian Scenario** on 08-08-2020, organized by School of Applied Sciences, Department of Chemistry, Reva University, Bangalore.
- Participated in Three days Faculty Development Programme on **Recent trends in science for Versatile Engineering Applications** held during 25-07-2019 to 27-07-2019 at DSATM
- Participated in Five days **Faculty Development Programme for Student Induction**
- (FDP-SI) during 17-06-2019 to 19-06-2019 organized by AICTE, at Cambridge Institute of Technology, Bangalore.
- Participated in Three days **Faculty Development Programme for Student Induction**
- (FDP-SI) during 21-06-2018 to 23-06-2018 organized by AICTE, at Sri Venkateshwara college of Engineering, Bangalore.

Administrative Activity

- Academic Coordinator from 2009 to 2011 at DSI.
- I/C HOD, Department of Chemistry DSATM between 2012 to May 2014.
- First year Coordinator between 2012 to July 2017.
- In-charge for proctor system for all First year students between 2012 to July 2017.
- I have taken responsibility for circulating 4,000 text books at the free of cost for the I & II semester students between 2012 to July 2017.

Professional Membership

- Chemistry Teachers Forum Bangalore University.
- Indian Council of Chemists

Contact Details

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Dayananda Sagar Academy of Technology & Management
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My Vision

- Plant derived drugs is mainly due to the current widespread belief that “**Green medicine**” is safe and more dependable than the costly synthetic drugs
- Inspired students to appear competitive examination
- Contribution towards socially and economically backward people by giving books