

Detailed CV

Name: B. S. Srinath

Educational Qualification: M.Sc, Ph.D

Designation: Assistant Professor

Address for Correspondence:

Department of Studies and Research in Microbiology,
Mangalore University Post Graduate Centre,
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Research Areas:

Medical and Molecular Microbiology, Agricultural and Environmental Microbiology, **Nano-Biotechnology**: Biosynthesis of Nanoparticles, Characterization studies of nanomaterials, Nanotoxicology, Drug delivery, Nanomaterials in Cancer therapy, Nano medicines, antimicrobial study of nanomaterial's, Biosensors, Nanocatalysts. **Geo-Microbiology**: Microbial studies in Gold mines, Role of Microbes in gold formation, gold mine bacteria in Nanotechnology, Bacterial diversity in Mines.

Professional Teaching Experience: 06 Years

Research Projects (List) (if applicable)

Completed : 01

Research Journal Publications (list)

International: 07

National: 03

List of Publications

1. B.S. Srinath and V.R. Rai, Biosynthesis of highly monodispersed, spherical gold nanoparticles of size 4–10 nm from spent cultures of *Klebsiella pneumoniae*, 3 Biotech (2014) 1–6.
2. B.S. Srinath, R.V. Rai, Biosynthesis of Gold Nanoparticles Using Extracellular Molecules Produced by *Enterobacter aerogenes* and their Catalytic Study, J. Clust. Sci. (2015) 1–12.
3. B.S Srinath , V.R.Rai, Rapid biosynthesis of gold nanoparticles by *Staphylococcus epidermidis*: Its characterisation and catalytic activity, Mater. Lett. 146 (2015).
4. Keshavamurthy, B.S.Srinath, V. Ravishankar Rai, Biosynthesis and characterization of gold nanoparticles produced by *Salacia fruticosa* leaf extract, Particulate Science and Technology (2017).
5. B. S. Srinath and K. Byrappa, Eco-friendly synthesis of gold nanoparticles by gold mine bacteria *Brevibacillus formosus* and their antibacterial and biocompatible studies. *Journal Of Pharmacy* 7, 8 (1),.PP. 53-60 (2017).
6. B. S. Srinath and K. Byrappa, “Bio mineralization of gold nanoparticles by indigenous gold mine bacteria *Bacillus firmus* and their antibacterial activity”, RTGMCE-2017.
7. B. S. Srinath and K. Byrappa, Eco-friendly synthesis of gold nanoparticles by *Bacillus subtilis* and their environmental applications”, *Adv. Sci. Lett.* 24, 5942–5946 (2018).
8. K Ranjith, PM Abishad, K Namratha, K Byrappa, B. S Srinath, Green synthesis of less toxic Selenium nanoparticles: Their antibacterial, antioxidant and catalytic activity, *Biomedicine*, 39, 3, 484-490.(2019).
9. B. S Srinath, Ganesh S Gowda, Rajesh P Shastry, K Byrappa, Mycosynthesis of biocompatible gold nanoparticles using *Penicillium* sp for bromothymol blue degradation, *Biomedicine*, 39, 2, 346-352.(2019).
10. B. S Srinath, Rajesh P Shastry, Sukesh B Kumar, Role of gut-lung microbiome crosstalk in COVID-19, *Research on Biomedical Engineering*, 1-11. (2020)

Papers / poster presentations in Conferences / Seminars / Symposia (list)

International: 14

National: 10

Regional:

Paper Presentations in National and International Conferences

1. Paper presented in National conference jeevanveshane 2013-14 on “Novel approaches in Life Science” held on 23-09-2013 January 2013.
2. Paper presented in KSTA conference on “Science and Technology for Education and Health Care” jointly organized by Karnataka Science and Technology Academy and JSS College, Mysore.
3. International Symposium on “Chemical Biology-Drug Discovery” held on 9th and 10th January 2014 by University of Mysore, Mysore.
5. Participated as as a Student Delegate in the International Conference at “7th Bangalore INDIA NANO 2014” held from 4-6th December 2014 at Bangalore.
8. Poster presentation in One day National Seminar on “Chemistry and Chemical Biology” held on 26th May, 2015, University of Mysore, Mysore.
9. Poster presentation in UGC Sponsored National Symposium - 2015 on “Microbes and Health” at DOS in Microbiology university of Mysore, Mysore.
10. Poster presentation in National conference on “Application of Nanotechnology in Environmental Remediation” held on 7th October, 2015 at Tumkur University, Tumkur.
- 11., Biomineralization of Gold nanoparticles by Indigenous gold mine bacteria, National symposium on “Geoscience Approaches for sustainable Future of Life” 2016, at University of Mysore, Mysore,19-23, December,2016.
12. Presented paper in Inter National conference on Nanoscience and Nanotechnology, at VIT University, Vellore, 19-21 October 2016.
13. Presented paper in National Seminar and Workshop on Functional Nanomaterials for Energy, Environment and Health, Mangalore University, Mangalagangothri, 21-22 March 2016.

14. Green synthesis of gold nanoparticles by *Bacillus sp.* and their environmental applications, National seminar and workshop on Functional nanomaterials for Energy, Environment and Health, Mangalore University, Mangalagangothri, 21st and 22nd March 2016.
15. Eco-friendly synthesis of gold nanoparticles by *Bacillus subtilis* and catalytic applications” Inter National conference on Nanoscience and Nanotechnology, VIT University, Vellore, 19th -21st October 2016.
16. Biomineralization of Gold Nanoparticles and their Antibacterial activities,” RTGMCE-2017, ATME, Mysore, Karnataka, 23rd -24th March 2017.
17. Eco-friendly synthesis of gold nanoparticles using gold mine bacteria *Bacillus toyonensis* and their biological activities, Inter National conference on Nanoscience and Nanotechnology, SRM University, Chennai, India, 9th -11th August 2017.
18. National Conference on Trends in Bioactive Natural Products and Health Care, Mangalore University P. G. Centre, Kodagu, Karnataka, India, 6-7, October 2017.
19. Eco-friendly synthesis of gold and silver nanoparticles and their antibacterial activity” International Symposium on Developing Drugs for Tomorrow: Challenges and Opportunities, AIMS, B.G. Nagara, Mandya (D), Karnataka, India, 1st -2nd January 2018.
20. Eco-friendly synthesis of gold nanoparticles by *Streptomyces paradoxus* and their Biological Applications” International Symposium on Recent Trends in Materials Science and Biophysics, Mangalore University, Karnataka, India, 23-25 January 2018.
21. Eco-friendly synthesis of gold nanoparticles and their Biological Applications, International conference on Nanomaterials and Their Applications, University of Mysore, Mysore, Karnataka, India, 1 -2 March 2018.
22. Biosynthesis of gold nanoparticles by indigenous gold mine bacteria and their biological activity, ISCA-2019, during January 03-07 2019, Jalandhar, Punjab.
23. Biosynthesis of gold nanoparticles by indigenous gold mine bacteria and their biological properties” AFMEEHC, University of Mysore, Mysore, Karnataka, India, 18 -20 March 2019.
24. Biosynthesis of nanoparticles from bacteria and their health and environmental applications” 10th International Conference on Materials for Advanced Technologies, Marina Bay Sands, Singapore, June 23-28, 2019.

Impact of publications in terms of (Non-science faculty can leave out this item, if unable to fill up).

h-index: 5

i10 index: 4

Citation index:

Conferences / Seminars / Workshops / Symposia organized (if applicable)

1. **Organizing Secretary:** Two days Conference on “Democracy, Justice and Social Transformation: Ambedkar’s interventions” Organised by Mangalore University Post Graduate Centre on 13-14th October 2017.
2. **Chair, in National Conference on** Trends in Bioactive Natural Products and Health Care (BNPHC 2017), Mangalore University P. G. Centre, Kodagu, Karnataka, India, 6-7, October 2017.
3. **Convener:** International Webinar on “COVID-19: Current Status of Vaccine Development and Immunization” on 30th September 2020.

Participation in the International/ National Conferences/ Workshops/ Symposia

1. One Day International Symposium on “**Genomic Instability and Human Diseases**”, Mangalore University, Karnataka, India, 30 January 2017.
2. 3rd International Festival of Science, Technology, Engineering and Mathematics, University of Mysore, Mysore, Karnataka, India, 17-20 October 2016.

Training/Workshop Programs

1. Participated in Eight days National Training on “**Application and Trouble shooting of Scientific Equipment**” University of Mysore, Mysore, Karnataka, India, from 1-8 December 2017.
2. Participated in one day workshop on “**Intellectual Property Training and Awareness**” University of Mysore, Mysore, Karnataka, India, 10 April 2014.

3. Participated in the “**Two day Brain- Storming Workshop on Successful Facing of Competitive Examinations**” Organized by University of Mysore, held on 20th and 21st February 2014.
4. Participated in Three days work shop on “**Handling of Scientific Equipment- IOE**” held from 18th – 20th August 2014 at Mysore university.

Membership of Professional Bodies

- Life member of Indian Science Congress
- Life member of Microbiologists Society, India (MSI).
- **Coordinator**, MSI, Mangalore University.

Administrative Responsibilities

1. **Hostel Warden**, University Hostel for Men, Magalore University Post Graduate Centre, Jnana Kaveri Campus, Kodagu.
2. **Secretary**, Hostel Advisory Committee, Magalore University Post Graduate Centre, Jnana Kaveri Campus, Kodagu.
3. **Guest House In-Charge**, Magalore University Post Graduate Centre, Jnana Kaveri Campus, Kodagu.
4. **Member**, Sports advisory Committee, SPARSH Committee, Canteen Committee, Anti-ragging Cell, Transport Committee, Vigilance Cell, Covid-19 Taskforce, NSS Cell Magalore University Post Graduate Centre, Jnana Kaveri Campus, Kodagu.