

Area of Research Expertise

Nanomaterial synthesis, Toxicity testing of nanomaterial, Magnetic nanoparticles, Nano electronic

Projects conducted

B.Sc. Biomedical Sciences (Chancellor's Summer Research Fellowship for UG students

1. A comparative antimicrobial activity of differently synthesized silver nanoparticles against *E. coli*. (May 2012).
2. Synthesis, Characterization and Genotoxic Evaluation of Copper Nanoparticles on *Drosophilamelanogaster*.(April 2015).

Workshop, training undergone by faculty:

1. Attended an International conference on Radiation Biology Frontiers in Radiobiology: Immunomodulation, Countermeasures & Therapeutics on November 11-13, 2014 by INMAS, Delhi-110054.
2. Participated in the one day **Faculty Development Program on "mentoring and counseling"** conducted by College of management, Sri Ramachandra University on 2nd August 2014.
3. Participated and **won first prize** in contest conducted by **Sri Ramachandra Centre for Women's Advancement**, Sri Ramachandra University on 7th March 2014.
4. Participated in awareness program conducted by **Sri Ramachandra Center for Women's Advancement** on "Visaka Guidelines" held on 17th may 2014, Sri Ramachandra University.
5. Participated and attended "**faculty assessment and enrichment program**" held on 27th march 2013 at Sri Ramachandra University.
6. Attended a **workshop** on "**Effects of Language, Hearing Sciences and Voice Care**" conducted by Department of speech language hearing sciences, Sri Ramachandra University on 27th August 2012.
7. Attended a **National level Seminar & Workshop on "Quality Sustenance in Research Publications"** conducted by IQAC cell, SRU on 4th and 5th June 2012.
8. Participated in the **Faculty Development Programme** conducted by Education Unit; Sri Ramachandra University on 16-18th August 2012.

9. Participated in **National nutritional Week** celebrations organized by the Clinical nutrition department, Sri Ramachandra University from 1st to 7th September 2011.
10. Participated in **CME** on “**International Day Against Drug Abuse and illicit Trafficking**” organized by Department of Biomedical Sciences and Department of Psychiatry on 24th June 2011 at Sri Ramachandra University.
11. Attended the series of **scientific lectures** at the silver jubilee celebrations on “**Biotechnology for Safe Health and Secure Environment**” held on 23rd September 2010 organized by College of Biomedical Sciences, Sri Ramachandra University.
12. Attended and participated in management development programme on ‘**performance management for competitive advantage**’ at Sri Ramachandra college of Management on 28th and 29th August 2008.
13. Attended a workshop on **Leadership and team Building Programme** on 11th December 2009 conducted by the Education Unit at Sri Ramachandra University.
14. Attended and participated in the “ **Chennai Science Festival- 2011**” held from 29th January to 2nd February, 2011 at Periyar Science and Technology Center campus , Chennai.

Membership in Committees:

- University placement cell – department co-ordinator
- University alumni cell - department co-ordinator
- Others: BatchCo-ordinator(V batchstudents)
- Optics labIn charge
- Biophysics and instrumentation facility In-charge
- Mentoring (Students of B.Sc Biomedical Sciences I,II& III year)

Publications

1. Betty Lincoln, Akhil Menon, V Deepa Parvathi, Sumitha Ravindran, In vivo evaluation of genotoxicity of *Acoruscalamus* mediated silver Nanoparticles. International Journal of Pharmaceutical Research and Bio-science; Volume 3(2): 126-132, 2014. (IF: 1.862)
2. C. Justin Raj, M. B. Lincoln, S. Jerome Das, Synthesis and characterization of doped lithium aluminate nanocrystalline particles by sol-gel method. Crystal, Research and Technology, Volume 43, Issue 8, pages 823–827, August 2008.

Monograph

Synthesis of Doped Lithium Aluminate Nanocrystalline Powders, Lambert academic Publishing. March 2012. ISBN 978-3-8484-3240-0.

Book

DIGITAL ELECTRONICS, Betty Lincoln. Pearson Education India. 430pp 2014 ISBN: 9789332522299