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Dr S. ABIRAMI

Assistant Professor

B.Sc, Biochemistry, University of Madras, 2000.

M.Sc Biochemistry, University of Madras, 2002.

M.Phil, Biochemistry, Annamalai University, 2004.

Ph.D Biochemistry, University of Madras, 2023.

MBA Human Resource Management, Anna University, 2014.

P.G.Diploma in Bioinformatics, Bioinformatics Institute of India, Noida, 2005.

Courses taught: B.Sc- Biomolecules, Enzymes, Hematology and Histopathology, Bioinformatics, Biostatistics, Bioinstrumentation, Energy Utilization & Waste Recycling, Introductory forensic science. M.Sc – Microbial biochemistry, Bioinformatics, Analytical Techniques in Biology. My Recent publications on the Assessment of in vitro Antioxidative and Anti-Inflammatory Effect of *Caesalpinia bonducella* Seed Stabilized Silver Nanoparticle and Cytotoxic and Apoptotic Effect of Citrus Flavonoid Naringin in Treating PA-1 Ovarian Cancer Cells are indexed in the scopus database. Served as a Co-ordinator for conducting a Lecture Workshop on “Microbes on Spotlight – Recent Progress in Microbial Interaction, 12.10.2017 to 13-10-2017” funded by the Indian Academy of sciences. Participated as Item Writer in the Question Bank workshop on Biological Sciences by the Staff Selection Commission (Southern Region), Government of India. Had completed the Faculty Induction Program in UGC- HRDC – Kumaun University, Nainital from 24-2-21 to 26-3-21 and the Refresher course in UGC – North Eastern Hill University, Shillong from 21-11-22 to 5-12-22. Had participated in nearly eight Faculty Development Program/Workshop to upgrade my skills. Had presented 4 papers in the International conferences

Highlights

Featured Publication :Assessment of in vitro Antioxidative and Anti-Inflammatory Effect of *Caesalpinia Bonducella* Seed Stabilized Silver Nanoparticle. S. Gloria Jemmi Christobel R. Kasi Selvi N. S.Abirami. International Journal of Research in Pharmaceutical sciences. ISSN: 0975-7538 Int. J. Res. Pharm. Sci., 11(2), 1-9

• Cytotoxic and Apoptotic Effect of Citrus Flavonoid Naringin in Treating PA-1 Ovarian Cancer Cells. Nebita Maria Jarrett, Gloria Jemmi Christobel R S.Abirami ISSN 0974-3618 Research J. Pharm. and Tech. 13(9): September 2020.

Served as item writer in the Question Bank workshop on Biological sciences by staff selection commission (Southern Region), Government of India.

Complete CV

Name Dr S.Abirami

Education :

B. Sc, Biochemistry, University of Madras, 2000.

M.Sc ,Biochemistry, University of Madras, 2002.

M.Phil, Biochemistry, Annamalai University, 2004.

Ph.D, Biochemistry, University of Madras, 2023.

MBA Human Resource Management, Anna University, 2014.

P.G.Diploma in Bioinformatics, Bioinformatics Institute of India, Noida, 2005.

Publications

- Anticancer and Antibacterial Activity of Silver Nanoparticles Biosynthesized by *Penicillium* spp. and its Synergistic Effect with Antibiotics. Shreshtha Verma, S. Abirami and V. Mahalakshmi. Journal of Microbiology and Biotechnology, Research Scholars Research Library J. Microbiol. Biotech. Res., 2013, 3 (3):54-71
- Exploring the Nutritional Values of Hydrogenotrophic Bacteria as Space Food. M.Girish, S.Abirami, .V.Mahalakshmi. International Journal of Scientific Development and Research ISSN: 2455-2631 December 2018 Volume 3, Issue 12
- Biosynthesis of Zinc Oxide nanoparticles using *Bacillus* species potentiates anticancer and antimicrobial Activity. S.Hanumitha, V. Mahalakshmi, S. Abirami. International Journal of Trend in Scientific Research and Development ISSN No. 2456 – 6470 Volume – 2 Issue – 5 Jul-Aug 2018
- Assessment of in vitro Antioxidative and Anti-Inflammatory Effect of *Caesalpinia bonducella* Seed Stabilized Silver Nanoparticle S. Gloria Jemmi Christobel R. Kasi Selvi N. S.Abirami. International Journal of Research in Pharmaceutical sciences. ISSN: 0975-7538 Int. J. Res. Pharm. Sci., 11(2), 1-9.
- Cytotoxic and Apoptotic Effect of Citrus Flavonoid Naringin in Treating PA-1 Ovarian Cancer Cells. Nebita Maria Jarrett, Gloria Jemmi Christobel R, S.Abirami ISSN 0974-3618 Research J. Pharm. and Tech. 13(9): September 2020

Research Interest :

- Worked in Breast cancer Cell Lines and Bone metastasis
- More than 12 projects were guided for M.Sc students during the teaching period.

Courses taught (UG & PG for the past 5 years)

- B. Sc- Biomolecules, Enzymes, Haematology and Histopathology, Bioinformatics, Biostatistics, Bioinstrumentation, Energy Utilization & Waste Recycling, Introductory Forensic Science.
- M. Sc – Microbial biochemistry, Bioinformatics, Analytical Techniques in Biology

Presentations:

- Presented a paper at the International Conference on Frontiers in Biological and Medical Sciences held on 19 & 20 January 2024 and received the best paper award organized by Seethalakshmi Ramaswami College. Thiruchirapalli
- Presented a paper in the International Conference on Future Prospects of Biotechnology & Biomedical Applications held on 22 September 2023 organized by Sri Shakthi Institute of Engineering and Technology, Coimbatore

- Presented a paper in the International E-conference on Biotechnology, Bioinformatics and Biomedicine 2020 held on 24-26, August 2020 organized by Faculty of Applied Sciences, AIMST University Malaysia
- Presented a paper in the International Conference on Infectious Diseases in an Era of Vaccines held 18-19 October 2021 organized by D.G. Vaishnav College, Chennai.

Resource Person:

- Participated as an item writer in the Question Bank workshop on Biological sciences by the Staff Selection Commission (Southern Region), Government of India
- Served as a co-ordinator for conducting a Lecture workshop on “Microbes on Spotlight – Recent Progress in Microbial Interaction, 12.10.2017 to 13-10-2017” funded by the Indian Academy of Sciences.

Administrative Position:

Served as Placement Officer in the Department of Microbiology from 2015 to 2017.