

Name : Dr. Sreevani Vellingiri

Designation : Assistant Professor

Department : Zoology

Qualification : Msc., M.P.hil., Ph.D.,

Experience : Teaching -2 Years

Research: 5 Years

Area of Specialization(s) : Molecular Proteomics & Nano-Oncology

Email(OfficialID) : v_sreevani@psgrkcw.ac.in



Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Zoology	Bharathiar University	2015
M.Phil.	Zoology	Bharathiar University	2012
M. Sc.	Animal Science	Bharathiar University	2010
B.Sc.	Zoology/Botany	Avinashilingam University	2008

Research Publications (Indexed)

International

- ✓ **Sreevani Vellingiri**, Chandrababu Rejeeth, Nipun Babu Varukattu, Alok Sharma, Raju Suresh Kumar, Abdulrahman Almansour, Natarajan Arumugam, Samson Afewerki and Soundarapandian Kannan. (2022). In vivo delivery of nuclear targeted drugs for lung cancer using novel synthesis and functionalization of iron oxide nanocrystals, New Journal of Chemistry. **(Impact factor: 3.925)**
- ✓ Krishnamurthy Shanthi, **Vellingiri Sreevani**, Karuppaiya Vimala, Soundarapandian Kannan. (2015). Cytotoxic Effect of Palladium Nanoparticles Synthesized From Syzygium aromaticum Aqueous Extracts and Induction of Apoptosis in Cervical Carcinoma, Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.
- ✓ **Vellingiri Sreevani**, Krishnamurthy Shanthi, Soundarapandian Kannan. (2013). Goat red blood cells as precursor for iron oxide nanocrystal synthesis to develop nuclear targeted lung cancer therapy. **Materials Research Bulletin. (Ref No: MRB-12-1946R1). (Impact factor: 2.105)**
- ✓ Shenbagamoorthy Sundarraj, Ramar Thangam, **Vellingiri Sreevani**, Krishnasamy Kaveri, Palani Gunasekaran, Shanmugam Achiraman, Soundarapandian Kannan. (2012). γ -Sitosterol from *Acacia nilotica* L. induces G2/M cell cycle arrest and

apoptosis through c-Myc suppression in MCF-7 and A549 cells. *Journal of Ethnopharmacology*.141: 803 - 809. (Impact factor: 3.014)

Book Chapter Published

Book – Bionanosciences. Editor – Prof. Dr. K. Muthuchelien, Published by - Hitesh Mital.
Contributor - **Vellingiri Sreevani**

Paper Presentations in Conference International

Vellingiri Sreevani and Soundarapandian Kannan presented a paper in “Workshop on Advanced Materials and Nanotechnology” entitled ‘Novel Synthesis and Surface Engineering of Iron Oxide Nanocrystals for Nuclear Targeted Drug Delivery for Lung Cancer In vivo’ held on 25th & 26th of Aug, 2014 at Universiti Putra Malaysia, Malaysia.

Vellingiri Sreevani and Soundarapandian Kannan presented a paper in “International Conference on Physiology & Medicine” entitled ‘Novel Synthesis and Functionalization of Iron Oxide Nanocrystals for Nuclear Targeted Drug Delivery for Lung Cancer’ held on 15th - 16th of Oct, 2014 in Department of Zoology at Periyar University, Salem.

Vellingiri Sreevani, Krishnamurthy Shanthi and Soundarapandian Kannan presented a poster in “International Symposium on free radical damage and herbal antioxidants in health and disease” entitled ‘Goat RBC as precursor for iron oxide nanocrystals synthesis to develop nuclear targeted lung cancer therapy’ held on 4th & 5th of Feb, 2013 in Dept. of Biochemistry, Biotechnology and Bioinformatics at Avinashilingam University, Coimbatore.

Vellingiri Sreevani, Shenbagamoorthy Sundarraj, and Soundarapandian Kannan presented a paper entitled ‘Acacia nilotica L. induces G2/M cell cycle arrest and apoptosis through c-Myc suppression in MCF-7 and A549 cells’ in “International Symposium on Environmental Risk Assessment 2011” held in Dept. of Zoology at Bharathiar University, Coimbatore. **(Received Young Scientist Award)**

National

Vellingiri Sreevani, Kathirvel Rayappan and Soundarapandian Kannan presented a paper in “National Conference on Innovations, Implementations and Controversies of Animal Biotechnology” entitled ‘Novel Synthesis and Functionalization of Iron Oxide Nanocrystals for Nuclear Targeted Drug Delivery for Lung Cancer *invivo*’ held on 20th & 21st of Mar, 2014 in Dept. of Animal Science at Bharathidasan University, Trichy.

Vellingiri Sreevani, Krishnamurthy Shanthi and Soundarapandian Kannan presented a paper in National Level Symposium on Glimpse of Innovations in Biotechnology” entitled ‘DOX loaded PEGylated γ -Fe₂O₃ Nanocrystals to enhance nuclear targeted chemotherapy for Non small cell lung carcinoma’ held on 3rd of Oct, 2013 in Dept. of Microbial Biotechnology at Bharathiar University, Coimbatore.

Vellingiri Sreevani, Shenbagamoorthy Sundarraj, and Soundarapandian Kannan presented a paper in National Seminar on “Enzymes And Biocatalysis” entitled ‘Polyphenols of Acacia

nilotica for lung carcinoma' held on 5 & 6th of Jan, 2012 in Dept. of Biochemistry at Periyar University, Salem.

Vellingiri Sreevani and Soundarapandian Kannan presented a Poster in "Biogalaxia' 10" entitled 'Characterization of COX-2 expression in non-small cell lung carcinoma' (National) held on 13th Oct, 2010 in Dept. of Zoology at Bharathiar University, Coimbatore.

Vellingiri Sreevani and Soundarapandian Kannan presented a paper in "National Symposium on Emerging Trends in Life Sciences" on 'Cox-2 Based Phylogenetic Analysis: A Feasible Approach In Cancer Therapy' held on 17-19th Mar, 2010 in Dept. of Zoology at Rajah Serfoji Govt. College, Thanjavur.

Participation in Seminars

Participated in the National Education Summit 2014 "Towards Educating Young India" held on 10 & 11th Jan 2014, at Gujarat.

Participated in the National Seminar on "Advances in Genomics and Proteomics" held on 5th Nov, 2012 in Dept. of Marine Technology at Bharathidasan University, Trichy.

Participated in "35th Annual Conference of Ethological Society of India" & "Symposium on Chemical Signals in Animal Welfare" held on 15 & 16th of Dec, 2011 in Dept. of Environmental Biotechnology at Bharathidasan University, Trichy.

Participated in National Seminar on "Challenges in Animal Biotechnology and Environmental Management Research" held on 23rd June, 2011 in Dept. of Animal Science at Bharathidasan University, Trichy.

Participated in 3rd Asian Lepidoptera Conservation Symposium and Training Programme" held on 25-29th Oct, 2010 in Dept. of Zoology at Bharathiar University, Coimbatore.

Participated in National conference on "Impact of Climate change on Biodiversity of Insects and Environment (CBI' 10)" held on 15-16th Mar, 2010 in Dept. of Zoology at Bharathiar University, Coimbatore.

Participation in Workshop

Participated in the National Workshop on "**Techniques in Animal Cell Culture and *In Vitro* Toxicology**" held on 21st - 30th Dec, 2012 in Mahatma Gandhi-Doerenkamp Centre (MGDC) at Bharathidasan University, Trichy.

Participated in the National Workshop on "QUEST-2012: A Hands on Training in **Molecular Biological Techniques**" held on 5-9th Nov, 2012 in Dept. of Marine Biotechnology at Bharathidasan University, Trichy.

Participated in National Workshop on "**Fluorescent Microscopy**" held on 10th Oct, 2013 in Dept. of Zoology at Periyar University, Salem.

Participated in National Workshop on “**Advanced Instruments for Characterization**” held on 27th Mar, 2012 in Dept. of Nanoscience & Technology at Bharathiar University, Coimbatore.

Grants

Recipient of **DST INSPIRE FELLOWSHIP** (JRF and then SRF)

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Awarded	Received Young Scientist Award for oral presentation	2011

Indexing and Citations

<u>Citations</u>	369	249
<u>h-index</u>	4	3
<u>i10-index</u>	3	3