Curriculum Vitae

Dr. S. SHANTKRITI

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PROFILE SUMMARY

Dr. S. Shantkriti is an Associate Professor in the Department of Biotechnology, Kalasalingam Academy of Research and Education, Tamil Nadu, India. Her interests entail cross-disciplinary research involving environmental microbiology especially bioremediation of pollutants using bacteria and microalgae, bioinformatics, and nanotechnology. She has proficiency in initiating practical and theoretical research and development activities acclimatizing to new methods for assessment. She has rich practical repertoire via industrial training, internships and research projects. She is an effective communicator with an excellent analytical, problem-solving, verbal and writing skills. She completed B. Tech., M. Tech., and PhD in Biotechnology with teaching and research experience since her post-graduation. She has also qualified national level exams such as UGC-NET (environmental sciences), TN-SET (life sciences) for lectureship, and certifications of Business English Certificate. She has published several articles in international journals and conference proceedings along with various book chapters and several conference abstracts. She is also the recipient of various awards and honours such as reviewer, academic editor, topic editor in various journals, best paper presentation awards, visiting scholar award and has been an invited speaker in various meetings. She has been involved in the work related to the raising awareness associated with environmental issues locally for the past seven years. The problems faced by the textile industrial sector in the conventional textile effluent treatment process are close to her and she focused her research in isolation and screening of adapted and non-adapted novel microorganisms for the treatment of textile azo dyes worthy for the waste water treatment. Her research also proved the application of bioinformatics tools and softwares as beneficial for reducing the preliminary screening and isolation procedure for bacterial strains with high potential for treatment of azo dye containing textile wastewater. She also has prior experience in synthesis and applications of nanomaterials. Currently, her focus is towards identifying and handling of different species of microalgae for varied applications, development of sustainable methods for environmental protection and conversion of waste to wealth. She has undertaken several small scale studies in employing microalgal processes in conjunction with biological treatment for achieving efficiency in water clarity, their use in nanoparticle synthesis and evaluation for antimicrobial effects, algal bioremediation of heavy metals, their use in production of organic manure in conjunction with vermicomposting.

EDUCATION

Examination Passed	Name of Institution	Year	Marks/Grade
Ph.D. (Biotechnology)	Bharathidasan University, Tiruchirappalli, Tamil Nadu, India	2018	Highly Commended
Thesis: *In silico* approach for biodegradation of textile azo dyes and its reverse validation through *in vivo* studies			
M. Tech (Biotechnology)	PSG College of Technology (Anna University, Chennai) , India	2012	8.03/10
Thesis: Biosynthesis of copper nanoparticles using *Pseudomonas fluorescens* and its characterization			

B. Tech (Biotechnology)	SRM University, Chennai, Tamil Nadu, India	2010	9.322/10
Thesis: Evaluation of anticancer activity of Acacetin in DU145 Prostate Cancer cell line			
XII (HSC)	Kendriya Vidyalaya (CBSE), New Delhi, India	2006	78 %
X (SSC)	Kendriya Vidyalaya (CBSE), New Delhi, India	2004	87.8 %

ADDITIONAL QUALIFICATIONS

UGC NET (Environmental Science)	National Eligibility Test (NET), UGC, New Delhi, India	2016	Lectureship (59.43 %)
Tamil Nadu SET (Life Sciences)	State Eligibility Test (SET), Tamil Nadu, India	2016	Lectureship (62.86 %)
Diploma in Computer Applications	Wavtech Solutions, Trichy, India (Reg. No: 338/19/6/2014)	2016	Distinction
BEC - Vantage level	Business English Certificate, University of Cambridge ESOL	2007	Grade B
BEC - Preliminary level	Business English Certificate, University of Cambridge ESOL	2007	Pass with Merit

FOREIGN VISIT

Taiwan

RESEARCH INTERESTS

- **Environmental Biotechnology**: Biological treatment of azo dyes and industrial wastewaters; biodegradation of polycyclic aromatic hydrocarbons, biological removal of inorganic compounds from wastewaters and resource recovery, conversion of waste to wealth, biosorption of heavy metals
- **Bioinformatics:** Molecular modelling, and docking of novel biomolecules from microorganisms, phylogenetic analysis, drug designing and *in silico* toxicity assessment of food preservatives
- **Nanobiotechnology**: Biosynthesis of nanoparticles, characterization and their applications
- **Microbiology:** Isolation, screening and characterization of novel microorganisms from various sources

TECHNICAL SKILLS

1. **Analytical instruments proficiencies**: TLC, HPLC, GCMS, UV-Visible Spectroscopy, XRD, SEM-EDX, FTIR, TEM, Optical Microscopy, FACS, SDS-PAGE, Agarose gel electrophoresis
2. **Software Proficiencies**: Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Origin, R
3. **Cell and Molecular Biology:** Nucleic acid and gene isolation from various samples, cloning, transformation, restriction and ligation, SDS-PAGE, Agarose gel electrophoresis, ELISA, Western blotting
4. **Bioinformatics:** Molecular Modelling software: ACD Chemsketch (molecular editor), Lead IT (docking) AutoDock, Modeller, SPDBV, Hex, Discovery Studio (Homology modeling), Schrodinger Suite 2012, NGS, Mega 6, BLAST, ClustalW and phylogenetic tree analysis, Pajek, toxicity prediction by LAZAR, pkCSM, CarcinoPred-EL, VEGA
5. **Biochemistry:** Protein purification and estimation, assays for oxidoreductive enzymes, calorimetry, HPLC, GCMS, FTIR, UV-Vis Spectroscopy
6. **Microbiology:** Isolation and screening of microbes, biochemical tests for identification of bacteria, optical & electron microscopy
7. **Nanotechnology:** copper and silver nanoparticles preparation, characterization by UV-Vis, spectroscopy, SEM-EDS, TEM, XRD, FTIR
8. **Cell Culture:** cell line maintenance, trypan blue and MTT Assay, FACS, RT-PCR, immunoblot analysis
9. **Extraction techniques:** Solid phase extraction, liquid-liquid extraction, ultrasonication assisted extraction

RESEARCH PUBLICATIONS

1. **Srinivasan S***, Sadasivam SK (**2021**): Biodegradation of textile azo dyes by textile effluent non-adapted and adapted *Aeromonas hydrophila*. *Environmental Research.* 194: 110643. (**SCIE IF: 5.715**)

2. **Srinivasan S***, Sadasivam SK, Gunalan S, Shanmugam G, Kothandan G (**2019**): Application of docking and active site analysis for enzyme linked bioremediation of textile dyes. *Environmental Pollution.* 248: 599-608. (**SCI IF: 5.714**)

3. **Srinivasan S***, Sadasivam SK (**2018**): Exploring bacterial systems for docking and aerobic-microaerophilic biodegradation of textile azo dye. *Journal of Water Process Engineering*. 22: 180-191. (**SCIE IF: 3.173)**

4. **Srinivasan S**, Shanmugam G, Surwase SV, Jadhav JP, Sadasivam SK (**2017**): *In silico* analysis of bacterial systems for textile azo dye decolorization and affirmation with wetlab studies. *CLEAN - Soil, Air, Water*. 45 (9): 1600734. (**SCIE IF: 1.473)**

5. **Shantkriti S**, Rosemary T, Rao KP, Rao MC (**2017**): Validation of stability indicating RP-HPLC assay method of Tofisopam in pharmaceutical dosage form. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 8 (2): 841-847. **(IF: 0.35)**

6. **Shantkriti S***, Rani P (**2014**): Biological synthesis of Copper nanoparticles using *Pseudomonas fluorescens*. *International Journal of Current Microbiology and Applied Sciences*. 3 (9): 374-383. **(IF: 2.015)**

7. **S. Shantkriti***. Biodegradation of textile azo dye, Remazol Yellow RR using non-autochthonous bacteria *Lysinibacillus sphaericus* MTCC 9523, supported by docking. In: Proceedings of the International Conference on Biodiversity & Sustainable Resource Management (ICBSRM); 2018 Mar 12-13; Chennai. Centre for Environmental Sciences & Centre for Water Resources Management, University of Madras; **2018**. pp. 242-255. (ISBN print: 978-93-83071-08-1)

8. **S. Shantkriti**, P. Rani. Biosynthesis of copper nanoparticles using *Pseudomonas fluorescens*. In: Proceedings of Post Graduate Conference in Biotechnology (PGC); 2012 Apr 28; Coimbatore. Department of Biotechnology, PSG College of Technology; **2012**. pp. 57-62.

9. Senthil Kumar S, **Shantkriti S**, Murganandham T, Murugesh E, Neeraj R, Govindwar SP (**2016**): Bioinformatics aided microbial approach for bioremediation of wastewater containing textile dyes. *Ecological Informatics*. 31: 112-121. (**SCIE IF: 1.727)**

10. Ssadh HA[†], **Srinivasan S**[†], Madar IH, Desai A, Almagrabi AO, Tayubi IA (**2018**): Apoptotic induction by *Cassia fistula* leaf extracts against human hepatocarcinoma cell lines. *International Journal of Scientific Innovations*. 1 (5): 92-102. (**Google Scholar**)

11. Seshan G, Kanagasabai S, Bhattacharya J, **Srinivasan S**, Jaimohan SM, Manoharan R, Ramachandran S, Kanagaraj S, Kothandan G (**2020**): Understanding the dual mechanism of bioactive peptides targeting the enzymes involved in Renin Angiotensin System (RAS): an *in-silico* approach. *Journal of Biomolecular Structure and Dynamics.* 38 (17): 5044-5061. DOI: 10.1080/07391102.2019.1695668. (**SCI IF: 3.310**)

12. Kannan M, Mubarakali D, Thiyonila B, Krishnan M, Padmanaban B, **Shantkriti S** (**2019**): Insect gut as a bioresource for potential enzymes- an unexploited area for industrial Biotechnology. *Biocatalysis and Agricultural Biotechnology.* 18: 101010. (**Scopus**)

13. Kanagasabai S, Saravanan V, Rajakumar P, Saravanan K, **Shantkriti S**, Gayathri E, Gugan K, Usharani S (**2019**): Synthesis, X-ray crystal structure and DFT calculations of 2',4'-dihydro-10H-spiro[anthracene-9,3'-benzo[b][1,4]thiazin]-10-amine and 1,3,5 -triindolyl benzene. *Chemical Data Collections*. 21:100227. (**Scopus**)

14. Thiyonila B, Reneeta NP, Kannan M, **Shantkriti S**, Krishnan M (**2018**): Dung beetle gut microbes: diversity, metabolic and immunity related roles in host system. *International Journal of Scientific Innovations.* 1 (4):84-91. (**Google Scholar**)

15. Ogu GI, Madar IH, Okolo JC, Eze EM, **Shantkriti S**, Tayubi IA (**2018**): Exposure assessment of chicken meat to heavy metals and bacterial contaminations in Warri metropolis, Nigeria. *International Journal of Scientific Innovations*. 1 (3): 51-58. (**Google Scholar**)

16. Madar IH, Asangani AH[†], **Srinivasan S[†],** Tayubi IA, Ogu GI (**2017**): Nutritional and biochemical alterations in *Vigna Radiata* (Mung Bean) seeds by germination. *International Journal of Current Microbiology and Applied Sciences*. 6 (9): 3307-3313. **(IF: 4.119)**

17. Kannan M, Singh NK, Britocathrin P, **Srinivasan S**, Padmanaban B, Krishnan M (**2017**): Extraction of genomic DNA from hemolymph of insects by an efficient and quick method. *International Journal of Scientific Innovations*. 1 (1): 1-6. (**Google Scholar**)

18. Ravindranadh K, **Shantkriti S**, Rao MRN, Nagarjuna G, Rao YH, Rao MC (**2016**): Structural and vibrational studies on Co^{2+} doped SnO_2 thin films. *International Journal of Chemical Concepts*. 2 (1): 24-27. **(IF: 0.676)**

19. Ramana MV, Rao JRVV, Anitha P, Sujatha T, **Shantkriti S**, Rao MC (**2015**): Synthesis and characterization of silver nanoparticles using *Celastrus Paniculatus* leaf extract. *International Journal for Research in Applied Science & Engineering Technology*. 3 (6): 958-961. **(IF: 1.214)**

20. Rao CS, Srikumar T, Shantkriti S, Rao MC (**2015**): Spectroscopic Studies on CuO Doped Li_2O-ZrO_2-SiO_2 Glass Ceramics. *International Journal of Chemical Concepts*. 1 (1): 5-8. **(IF: 0.676)**

21. Rao CS, Srikumar T, **Shantkriti S**, Rao MC (**2015**): Non-linear Optical Studies on CuO Doped Lithium Zirconium Silicate Glass Ceramics for Laser Application. *International Journal of TechnoChem Research*. 1 (1): 66-69. **(IF: 0.34)**

22. Jaabir MSM, Ramu S, Shabeer N, **Shantkriti S**, Senthil Kumar S (**2014**): Preliminary evaluation of the larvicidal efficacy of coelomic fluid of *Eudrilus eugeniae* on anopheles mosquito. *International Journal of Pharmaceutical Science Invention*. 3 (8): 20-27. **(IF: 1.695)**

23. Ramaswamy SK, Chandrasekaran N, Sindhu, Asari NS, **Srinivasan S,** Piramanayagam S (**2013**): A computational annotation of Expressed Sequence Tags (ESTs) from *Labeo rohita*. *International Journal of Bioinformatics and Biological Science*. 1 (2): 151 - 158. (**Google Scholar**)

24. Tripathi SM, Tiwari SB, **Shantkriti S** (**2010**): Synthesis and study of applications of metal coated carbon nanotubes. *International Journal of Control and Automation*. 3 (2): 53-64. (**Scopus**)

BOOK CHAPTERS

1. Soumini S, Selvaraj V, **Srinivasan S**, Sreekumar N (2021): Metal pollutants: an environmental hazard. In: Shah MP, Vyas BRM (Eds.), *Emerging Technologies in Applied & Environmental Microbiology*, Elsevier (Accepted).
2. Sreekumar N, Udayan A, **Srinivasan S*** (2020): Algal bioremediation of heavy metals. In: Shah MP (Ed), *Removal of toxic pollutants through microbiological and tertiary treatment*. Elsevier, pp. 279-307. (ISBN**:** 978-0-12-821014-7) (DOI: 10.1016/B978-0-12-821014-7.00011-3).

3. **Srinivasan S***, Kanyaga PM, Nagaraj S (2020): Latest innovations in bacterial degradation of textile azo dyes. In: Shah MP, Rodriguez-Couto S, Sengor SS (Eds.), *Emerging technologies in environmental bioremediation*. Elsevier, pp. 285-309. (ISBN**:** 978-0-12-819860-5) (DOI: 10.1016/B978-0-12-819860-5.00012-2).

4. Athiappan M, **Srinivasan S**, Anandan R, Rajaram J (2020): Novel process of ellagic acid synthesis from waste generated from mango pulp processing industries. In: Shah MP, Rodriguez-Couto

S, Sengor SS (Eds.), *Emerging technologies in environmental bioremediation*. Elsevier, pp. 443-454. (ISBN: 978-0-12-819860-5). (DOI: 10.1016/B978-0-12-819860-5.00020-1).

5. Pandhi N, **Srinivasan S** (2020): Marine bacteria: a storehouse of novel compounds for biodegradation. In: Shah M (Eds.), *Microbial bioremediation & biodegradation*. Springer, Singapore, pp. 485-503. (ISBN: 978-981-15-1811-9) (DOI: 10.1007/978-981-15-1812-6_19).

NATIONAL/INTERNATIONAL CONFERENCE PRESENTATIONS

1. **Srinivasan S,** Arulanandam CD, Dahms HU. Prediction of food colorant's toxicity using *in silico* approaches and its impact on human health [abstract]. In: Proceedings of the 17th IAAM Annual Conference on Microbiology in the New Millenium; 2019 Nov 29-30; Krishnankoil. Department of Biotechnology, Kalasalingam Academy of Research and Education and Indian Association of Applied Microbiologists; **2019**. pp. 34.

2. **S. Shantkriti**, S. Senthil Kumar. Docking assisted biodegradation of textile azo dye by non-adapted bacteria [abstract]. In: Proceedings of the International Conference on Biodiversity & Sustainable Resource Management (ICBSRM); 2018 Mar 12-13; Chennai. Centre for Environmental Sciences & Centre for Water Resources Management, University of Madras; **2018**. pp. 118.

3. **S. Shantkriti,** G. Ganapathy. Production of value-added products from food wastes [abstract]. In: Proceedings of National Conference on Advances and Innovations in Biotechnology (NCAIB); 2018 Feb 19-20; Tiruchirappalli. Dept. of Biotechnology: National College; **2018**. pp. 8.

4. **S. Shantkriti**. Application of Bioinformatics in Bioremediation [abstract]. In: Proceedings of National Conference on Advances and Innovations in Biotechnology (NCAIB); 2018 Feb 19-20; Tiruchirappalli. Dept. of Biotechnology: National College; **2018**. pp. 12.

5. **S. Shantkriti**, S. Senthil Kumar. Exploring potential of *Lysinibacillus sphaericus* for biodegradation of textile azo dyes [abstract]. In: Proceedings of the International Seminar on Biology for Sustainable Development (ISBSE); 2017 Mar 7-8; Tiruchirappalli. Dept. of Environmental Biotechnology: Bharathidasan University; **2017**. pp. 32.

6. **S. Shantkriti**, S. Senthil Kumar. *In-silico* and *in-vitro* approach for bacterial biodegradation of textile azo dye [abstract]. In: Proceedings of the National Workshop on Environmental Health and Safety Management (NWESHM); 2017 Mar 9-10; Tiruchirappalli. Dept. of Environmental Management: Bharathidasan University; **2017**. pp. 67-68.

7. **S. Shantkriti**, S. Senthil Kumar. Biodegradation of textile azo dyes by adapted and non-adapted bacterial strains [abstract]. In: Proceedings of the International Conference on Food, Energy and Water Microbiology (ICFEWM); 2016 Dec 21-23; Salem. Dept. of Microbiology: Periyar University; **2016**. pp. 62-63.

8. S. Ramu, T. Muruganandham, S. Janani, **S. Shantkriti**, S. Senthil Kumar. Biorestoration of textile effluent polluted soil through vermistabilisation – an earthworm aided microbial-geological system [abstract]. In: Proceedings of the International Congress on Soil Science in International Year of Soils; 2015 Oct 19-23; Sochi, Russia; **2015**. pp. 179. (ISBN print: 978-5-4465-0808-2)

9. **S. Shantkriti,** S. Senthil Kumar, M. S. Mohamed Jabir, Murugesh Easwaran. *In-silico* approach for decolorization of textile azo dyes [abstract]. In: Proceedings of the National conference on Mathematical Modelling in Molecular Cell Biology (3M-CB); 2014 Mar 3-4; Thanjavur. PG & Research Dept. of Mathematics & Dept. of Biotechnology: Bon Secours College for Women; **2014**. pp. 12.

10. **S. Shantkriti,** S. Senthil Kumar, M. S. Mohamed Jabir. Coelomic fluid of earthworm-a potent mosquito larvicide. [abstract]. In: Proceedings of National conference on Environmental Issues & Challenges Vision 2020 (EnVISION 2020); 2013 Sep 27-28; Annamalai Nagar. Dept. of Zoology: Annamalai University; **2013**. pp. 80.

11. **S. Shantkriti.** Use of bioinformatic tools in molecular parasitology & its applications in Drug Designing. In: National technical symposium on Emerging Innovations in Biotechnology; 2009 Mar 18; Tiruchirappalli. Dept. of Biotechnology, Pavender Bharathidasan Coll. of Engineering & Technology, Tamil Nadu; **2009**.

12. **S. Shantkriti.** Analysis of Simple Sequence Repeats (microsatellites) in genomes of *Brucella* species. In: International Symposium on Emerging Trends in Biomedical & Nanobiotechnology: Relevance to Human Health; 2009 Dec 19-21. Dept. of Biotechnology & Dept. of Nanotechnology, Acharya Nagarjuna University, Andhra Pradesh; **2009**.

Total No. of Citations	h-index	i-10 index
247	7	6

HONOURS / AWARDS / PRIZES

Year	Name of the Honor and Purpose	Awarding organization
2021	**First prize** for Poetry (English) event at International Women's Day celebration	Women Empowerment Cell, KARE, Tamil Nadu
2021	**First prize** for Singing (Hindi/English) event at International Women's Day celebration	Women Empowerment Cell, KARE, Tamil Nadu
2021	**Second prize** for Art from Waste event at International Women's Day celebration	Women Empowerment Cell, KARE, Tamil Nadu
2019	**SFRF** Summer Faculty Research Fellow Programme	Indian Institute of Technology, Delhi
2018	**T.A. & D.A. Support** for Invited talk for Seminar at the Institute of Marine Biology	National Taiwan Ocean University, Keelung, Taiwan
2018	**Visiting Scholar Award** with T.A. & D.A. Support for Co-teaching and Research as a Visiting Scholar	Kaohsiung Medical University, Taiwan
2018	**Best Paper Award** for Paper presentation at Int'l Conference on Biodiversity & Sustainable Resource Management (ICBSRM2018)	University of Madras, Chennai
2018	**First prize** for Badminton & Table Tennis competitions	National College, Trichy
2017	**First prize** for Oral presentation at Int'l Seminar on Biology for Sustainable Development (ISBSE 2017)	Bharathidasan University, Trichy
2016	**First prize** for Oral presentation at International Conference on Food, Energy & Water Microbiology (ICFEWM)	Periyar University, Salem
2016	**Official attempt** to Guinness, Limca & India Book of Records for Largest Human Car Image & Green Ribbon formation to promote Mental Health Awareness	National College, Trichy
2015	**First prize** for Badminton competitions	National College, Trichy
2014	**Best Presentation Award** for Oral presentation at Nat'l Conference on Mathematical Modelling in Mol. Cell Biology	Bon Secours College for Women, Thanjavur
2014	**T.A. & D.A. Support** for National Training Course on Application of Nanotechnology in Agriculture	Central Arid Zone Research Institute (CAZRI), Jodhpur
2013	**Best Presentation Award** for Oral presentation at Nat'l conference on Environmental Issues & Challenges Vision 2020	Annamalai University, Chidambaram
2012	**Best Outgoing Student Award** for All-rounder in M. Tech Biotechnology	PSG Coll. of Technology, Coimbatore
2004	**Sanskrit Pratibha Puraskar** for 98 % marks (1st Rank in School) in X CBSE	Delhi Sanskrit Academy

ACADEMIC/ OTHER DISTINCTIONS

Year	Achievement / Responsibility	Organization
2021	**Academic Editor**	PLOS ONE (ISSN: 1932-6203)
2021	**Session Chair** on theme: innovations in microbiology for sustainable life at second national conference on "Innovations in bio & chemical engineering for sustainable life	Kalasalingam Academy Of Research And Education, Tamil Nadu
2021	**Topics Board Editor**	Catalysis (ISSN: 2073-4344)
2021	**Invited Reviewer**	Biologia (ISSN: 1336-9563)
2021	**Invited Reviewer**	Letters in Applied Microbiology (ISSN: 0266-8254)
2021	**Editorial Board Member**	Current Research in Wastewater Management (ISSN: 2766-8703)
2020	**Invited Reviewer**	ACS Omega, ACS (ISSN: 2470-1343)
2020	**Invited Reviewer**	Biocatalysis and Agricultural Biotechnology, Elsevier (ISSN: 1878-8181)
2020, 2018	**Invited Reviewer**	Environmental Technology, Taylor and Francis (ISSN: 0959-3330)
2021,2020, 2019,2018	**Invited Reviewer**	PLOS ONE (ISSN: 1932-6203)
2018	**Invited Reviewer**	Journal of Hazardous Materials, Elsevier (ISSN: 0304-3894)
4 & 5th Dec' 2018	**Delivered talks** on "Particular aspects of environmental science" & "Emerging trends in Environmental sciences: a case study on textile dye remediation" in the Seminars at Institute of Marine Biology	National Taiwan Ocean University, Keelung, Taiwan
21, 22, 23, 26 & 27th Nov' 2018	**Delivered talks** under **co-teaching program** in Seminars for BS, MS & PhD students on "Drug development & delivery using nanotechnology, Emerging trends in environmental sciences-a case study about textile dye remediation, Trends & challenges in environmental technology, Applications of bioinformatics & cheminformatics"	Department of Biomedical Science and Environmental Microbiology, Kaohsiung Medical University, Taiwan
28th Aug' 2018	**Delivered talk** on "Emerging Trends in Environmental Technology" as the Chief Guest at the Association Meeting	Department of Biotechnology, St. Joseph College, Tiruchirappalli
2019, 2018	**Question paper Setter** for B. Sc., M. Sc. & M. Phil. examinations and **M. Sc. Viva examiner**	St. Joseph College, Tiruchirappalli
17th Sept. 2018	Doctoral Committee Meeting- **External Examiner** for M. Phil., Biotechnology open *Viva Voce* Examination	Dept. of Biotechnology, St. Joseph College, Trichy
2019, 2018	**Question paper Setter** for B. Sc., and **External evaluator** for B. Sc. & M. Sc.	Jamal Mohamed College, Tiruchirappalli
18th Jan' 18	**Delivered guest lecture** on "Bioinformatics and Bioremediation"	Dept. of Biotechnology, Chaitanya Post Graduate College (Autonomous), Warangal, Telangana
23rd Sept' 2017	**Delivered talk** on "Recent trends in Nanobiotechnology" at Special Lecture Programme	PG & Research Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli
2017	**Invited Reviewer**	Jordan Journal for Biological Sciences (ISSN: 1995-6673)
2017	**Invited Reviewer**	International Journal of Current Microbiology and Applied Sciences (ISSN: 2319-7692)
2017-19	**Managing Editor**	International Journal of Scientific Innovations
21st Sept' 2016	**Delivered talk** on "Recent perspective of Nanotechnology"	Dept. of Biotechnology, Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur
12th Dec' 2015	**Delivered talk** on "Basics of Immunology" for UGC sponsored PG Diploma in Structural Pharmacogenomics	Department of Bioinformatics, Alagappa University, Karaikudi
3rd Dec' 2015	**Delivered special talk** on "Recent Trends in Bioinformatics" at Association Meeting	Dept. of Biotechnology, St. Joseph's College, Tiruchirappalli
4th Nov' 2015	**Delivered talk** on "Metagenomics: Introduction & applications"	Dept. of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli
12-14th Dec' 2014	**Speaker** for UGC sponsored PG Diploma in Structural Pharmacogenomics programme	Department of Bioinformatics, Alagappa University, Karaikudi
31st Jan' 2014	**Delivered talk** on "Green Nanotechnology" as the Chief Guest at the Association Meeting	Dept. of Botany, Seethalakshmi Ramaswami College, Tiruchirappalli

PROFESSIONAL EXPERIENCE

Year	Position	Institution
25/06/2018-till date	Associate Professor	Department of Biotechnology, Kalasalingam Academy of Research and Education (Deemed to be University), Anand Nagar, Krishnankoil, Tamil Nadu, India
07/07/2017-22/06/2018	Assistant Professor	PG & Research Department of Biotechnology and Microbiology, National College (Autonomous), Tiruchirappalli, Tamil Nadu, India
01/04/2014-06/07/2017	Ph.D. Research Scholar	PG & Research Dept of Biotechnology, National College (Autonomous), Tiruchirappalli, Tamil Nadu, India
15/07/2013-31/03/2014	Assistant Professor	PG & Research Dept of Biotechnology, National College (Autonomous), Tiruchirappalli, Tamil Nadu, India
16/01/2013-28/06/2013	Assistant Grade III (T)	Food Corporation of India, Koregaon Park, D.O. Pune, Maharashtra, India
27/09/2012-01/01/2013	Assistant Professor	Dept of Biotechnology & Biochemical Engineering, Sree Buddha College of Engineering, Kerala, India

MEMBERSHIP

PROFESSIONAL BODY

1. Life member: Indian Association of Applied Microbiologists (IAAM)

ACADEMIC BODY

1. Board of Studies member for B. Sc. and M. Sc. Microbiology, Thiagarajar College, Madurai, Tamil Nadu
2. Board of Studies member for B. Sc. Food Science & Processing Management, Subbalakshmi Lakshmipathy College of Science, Madurai, Tamil Nadu

Training Program Attended: 9

Refresher Course/Faculty Development Program Attended: 7

Conference/Seminar/Workshop/Symposium/Webinar/Quiz attended and organized: 50

Place: Tamil Nadu, India
Date: 24.06.2021

(S. SHANTKRITI)