

A. Shanmugapriya., Ph.D.

Assistant Professor

Tiruchirapalli, India | +91-9150588824 | sppriyaharsh83@gmail.com



WORK EXPERIENCE

2004-till date *Assistant Professor, Shrimati Indira Gandhi College, Trichirappalli*

2011-2012, 2016-2018 * Association Secretary, Department of Biochemistry- Organizing member for National and International seminars

EDUCATION

Doctorate Degree in Biochemistry, 2019 - "Cardioprotective Role Of *Tridax Procumbens* (Leaves) And *Boerhavia Diffusa* (Roots) Ethanolic Extract In Isoproterenol Induced Myocardial Infarcted Rats"

Master of Philosophy in Biochemistry, 2003- *Cardioprotective effect of NAC against beta adrenergic agonist induced Myocardial infarction in male rats.*

Master's Degree in Biochemistry, 2002

Bachelor's Degree in Biochemistry, 2000

Post Graduate Diploma in Bioinformatics- 2006

ACTIVITIES

Workshops & Conferences

- Current Developments in Human Genome Project
- Marvels in Life Science
- Bioinformatics For Biologists
- Patent awareness
- Enhancing & sensitizing Women in Science & technology in Societal issues
- Emerging Trends in Biological Sciences
- Ensuring Environmental Sustainability
- e- Literacy
- Challenges in environmental Restoration
- Cultivation of Cardamom and other spice crops

Presentations

- Paper on **Structural Modelling, Ligand Binding & distance Calculation of Gelsolin For Renal Failure** in the National Level Conference on "Bioinformatics

Tools For Gene & Protein analysis” on 7th & 8th September 2007 at Shrimati Indira Gandhi College.

- Poster on “Biotechnology” in an International Seminar on “**Greening Food Processing Sector for Sustainable Safe food supply**” held at IICPT, Thanjavur on 30 and 31st October 2010.
- Paper on “Nanomedicine and Gene therapy” in a Seminar on “**Current Approaches and Challenges in nanomaterial and Nanomedicine**” held at Rajah Serfoji College, Thanjavur 28 and 30th August 2013.
- Poster entitled “**Effect of Plant Extracts on hemorrhoids**” in a Seminar on “**Herbal Focus**” held at Srimad Andavan Arts and Science College, Trichy on 13 and 14th February 2014.
- Paper entitled “**Phytochemical Screening and Antibacterial activity of leaf extracts of *Tridax procumbens* and root extracts of *Boerhavia diffusa***” in TNSCST sponsored “National conference on phymed-2015” BDU Constituent College for women, Orathanadu on 31.7.15 and 1.8.15
- Poster entitled “**Germinated black and brown rice - a value added black product**” National seminar on “Whole grains for healthy life- Whole grains 2015” at IICPT, Tanjore on 16.10.15.
- Poster entitled “**Donan’s Disease**” in an International conference on “**Cardiovascular Research**” by department of Biochemistry, St. Joseph’s college, Trichy on 15.2.16.
- Poster on “***Eugenia jambolana* synthesis of silver nanoparticles and its antimicrobial activity**” in an International conference on International conference on “New Frontiers and challenges in Environmental sciences” by school of bioscience, Marudupandiyar college, Tanjore on 11.2.16 and 12.2.16.
- Paper on ***A combinative Evaluation of antioxidant potential in Tridax procumbens and Boerhavia diffusa*** at the National Conference on Phytochemicals in Medicinal Plants and Food (MEDFOOD’18)

Resource Person

- Regional Level Workshop on “**Electrophoresis For Biologists**” – BIOELECTS 2005
- **RENEWABLE ENERGY**” and presented a **Guest Lecture on “BIOGAS PRODUCTION FROM WASTE”**.
- International conference on “**Biochemical techniques and Bioinformatics**”

Publications

1. Ms. V. Bharathi, Ms. A. Shanmuga Priya & Ms. S. Jannathul Firdous “**Antibacterial stem extract of *ocimum basilicum L.***” International Journal of Chemical Biological and Physical Science Vol. 2, Pg. No. 237 – 340, December 2011.
2. Ms. A. Shanmuga Priya, Ms. V. Bharathi and Ms.S.Jannathul Firdous “**Cardioprotective Nature of N-Acetylcyteine against beta adrenergic agonist induced myocardial infarction in rats**” International Journal of Pharmaceutical Research and Development, January 2012.
3. “Biosynthesis of Silver nano particles by Datura metal flower extract” World Journal of Pharmasceutical Research, ISSN-2277-7105, **(Peer Reviewed)**, SJIF Impact Factor: 5.045, www.wjpr.net, Vol.III, Issue 4, pg.no.1926-1930, June 2014.

4. "Antibacterial activity of cocciniaindicalin", Food processing technologies-challenges & solution for sustainable food security, ISBN-1-0978-81-926250-0-3, Page No.207 4&5 Jan2013
5. Ms. S. Gomathi, Ms. A. Shanmuga Priya, Ms. V. Bharathi, Ms. B. Varalakshmi, and Ms. T. Karpagam "Antimicrobial activity and phytochemical studies of flowers of *tribulus terrestris*" International Journal of Biological Science, Vol. 1, Pg. No. 47 – 50, January 2012.
6. Ms. S.R.Subashini, Ms. G.Gayathri and Ms. S. Jannathul Firdous and Ms. A. Shanmuga Priya "Antimicrobial Activity and Phytochemical studies of *Ocimum Gratissimum* L., International Journal of Pharmaceutical Research and Development, Januar 2012.
7. Phytochemical analysis of *Cinnamomums zeylanicum* bark and molecular docking of procyanidin B₂ against the transcription factor NfκB, Free Radicals and Antioxidants.2017;7(2):195-199. [ISSN: 2231-2536]
8. **Shanmugapriya A**, Maneemegalai S. Phytochemical Screening, Antimicrobial and Antioxidant Activity of Leaf extracts of *Tridax procumbens*. International Journal of Research in Pharmacy and Chemistry.2017; 7(3): 320-326;ISSN:2231-2781
9. **Shanmugapriya A**, Maneemegalai S. Quantitative Phytochemical Estimation and GC-MS studies in Ethanolic Root Extracts of *Boerhavia diffusa*. International Journal of Green and Herbal Chemistry.2017; 7: 010-016;ISSN:2278-3229
10. **Shanmugapriya A**, Maneemegalai S. FT-IR Spectroscopic Studies on Synergistic Potential of *Boerhavia diffusa* and *Tridax procumbens*. International Journal of Pharmaceutics & Drug Analysis.2017;5 (12): 442 – 446;ISSN: 2348-8948
11. **Shanmugapriya A**, Maneemegalai S. Evaluation of Markers And Antioxidants In *Boerhavia Diffusa* for Cardioprotective Activity. European Journal of Biomedical and Pharmaceutical Sciences; 5(6): 569-573; ISSN: 2349-8870.
12. **Shanmugapriya A**, Maneemegalai S. Cardioprotective Potential Of *Tridax Procumbens* against Isoproterenol Induced Myocardial Infarction In Experimental Rats. World journal Pharmaceutical Research; 7(10): 885-893; ISSN: 2277-7105.
13. **Shanmugapriya A**. Outlining of phytochemicals and GC-MS profile of *centella asiatica* . International Journal of Pharmaceutics & Drug Analysis.2017;6 (2): 252 – 256; ISSN: 2348-8948
14. **Shanmugapriya A**. Evaluation of antihepatotoxic effect of *Avicennia marina* against alcohol induced liver injury. International Journal of Pharmaceutics & Drug Analysis.2017;6 (2): 225 – 231; ISSN: 2348-8948
15. **Shanmugapriya A**. Genotyping of Angiotensin converting enzyme (ACE 1) gene study subject with hypertension and chronic kidney disease. Research journal of pharmacology and Technology. 2017; 10 (8): 2607 – 2610; ISSN: 0974-360X.
16. A. Shanmugapriya, S. Maneemegalai, B.Varalakshmi, **T. Karpagam**, J. Sugunabai, B. Ramya, A. Abinaya, S. Kamali, G. Praveena, C. Jeyachitra, M. Jeyapriya. A Combinative Evaluation Of Antioxidant Potential In *Tridaxprocumbens* and *Boerhaviadiffusa*. International Journal of Pharmaceutics and Drug Analysis. 2018;6 (2): 197 – 202. ISSN: 2348-8948; Indexing UGC : 44824
17. **Karpagam.T**, Jannthul Firdous, Revathy, Shanmugapriya, varalakshmi B, Gomathi S, Geetha S, Noorzaid Mohamad. Anticancer activity of *Aloe vera* Ethanolic leaves extract against invitro cancer cells. Research Journal pharmacy and Technology;12(5):2019.
18. Geetha S, Jannathul Firdous, **Karpagam T**, Varalakshmi B, Shanmuga Priya, Sugunabai J, Gomathi S. Studies on hepatoprotective and antiinflammtory activity of coix lacryma-jobi (linn). Asian J Pharm Clin Res, Vol 11, Issue 11, 2018, 290-293.

