CURRICULUM VITAE

Dr. S. Anusuya
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Date of Birth: 15/01/1985

Education:

Ph.D., Plant Science - Bharathidasan University, Tiruchirappalli (Nov 2015)

M.Phil., Biotechnology (80%) - Bharathidasan University, Tiruchirappalli (Mar 2009)

M.Sc., Plant Science (87%) - Bharathiar university, Coimbatore (Apr 2007)

B.Sc., Botany (91%) - Bharathidasan University, Tiruchirappalli (Apr 2005)

QUALIFIED TNSET 2017

Awards:

- ✓ University **FIRST** rank- B.Sc., Botany, Bharathidasan University, Tiruchirappalli.
- ✓ University **SECOND** rank- M.Sc., Plant Science, Bharathiar University, Coimbatore.
- ✓ **Post-Graduate Merit Scholarship for University Rank holders** (2005-2007)
- ✓ Sri Nirupa memorial gold medal for proficiency in Botany during 2004-05
- ✓ Sri Nirupa memorial gold medal for best out gone during 2004-05.
- ✓ Gold medal for proficiency in Tamil during 2004-05.

Work experience

- ➢ Assistant Professor in Department of Botany, St. Joseph's College, Tiruchirappalli (19/06/2018 to till date)
- ➢ Principal Investigator, **SERB-National Post Doctoral Fellow** (DST) in Department of Botany, Bharathiar University, Coimbatore (10/04/2017 to 30/11/2017).
- ➢ Assistant Professor in Department of Botany, Bishop Heber College, Tiruchirappalli (10/07/2015 to 31/03/2017).
- ➢ Project fellow in TNSCST project entitled "An Ecofriendly approach to control rhizome rot of turmeric" at Dept. of Plant Science, Bharathidasan University, Tiruchirappalli (01/06/2012- 31/05/2014).

Publications

1. Haripriya P, Stella PM, Anusuya S. Foliar Spray of Zinc Oxide Nanoparticles Improves Salt Tolerance in Finger Millet Crops under Glasshouse Condition. SCIOL Biotechnol (2018), 20-29.

2. S. Anusuya, K. Nibiya Banu. Silver-chitosan nanoparticles induced biochemical variations of chickpea (*Cicer arietinum* L.). Biocatalysis and Agricultural Biotechnology. 8 (2016) 39-44.

3. M. Sathiyabama, Nirit Bernstein, S. Anusuya. Chitosan elicitation for increased curcumin production and stimulation of defence response in turmeric (*Curcuma longa* L.). Ind. Crops and Products. 89 (2016) 87–94. **Impact Factor-3.8**

4. Anusuya, S. & Sathiyabama, M. 2016. Effect of chitosan on growth, yield and curcumin content in turmeric under field condition. Biocatalysis and Agricultural Biotechnology. 6: 102-106.

5. Anusuya, S. & Sathiyabama, M. 2015. Induced Chitinase and Chitosanase Activities in Turmeric Plants by Application of β-D-Glucan Nanoparticles. Notulae Scientia Biologicae, 7: 295- 298.

6. S. Anusuya & M. Sathiyabama, Protection of turmeric plants from rhizome rot disease under field conditions by β-D-glucan nanoparticle. International Journal of Biological Macromolecules 77 (2015) 9-14. **Impact Factor-3.9**

7. S. Anusuya & M. Sathiyabama, Effect of β-glucan nanoparticle pre-treatment in inducing resistance against *Pythium aphanidermatum* infection in *Curcuma longa* (L.). Int. J. Biol. Macromolecules 74 (2015) 278-282. **Impact Factor-3.9**

8. S. Anusuya & M. Sathiyabama, Foliar application of β-D-glucan nanoparticles to control rhizome rotdisease of turmeric. Int. J. Biol. Macromolecules 72 (2015) 1205–1212. **Impact Factor-3.9**

9. S. Anusuya & M. Sathiyabama, Preparation of β-D-glucan nanoparticles and its antifungal activity. Int. J. Biol. Macromol. 70 (2014) 440–443. **Impact Factor-3.9**

10. S. Anusuya & M. Sathiyabama, 2014. Application of nano-glucan to turmeric rhizome induce defence response against *Pythium aphanidermatum*. Archives of Phytopathology and Plant Protection, http://dx.doi.org/10.1080/03235408.

11. S. Anusuya & M. Sathiyabama, 2014. Effect of Chitosan on Rhizome Rot Disease of Turmeric Caused by *Pythium aphanidermatum.* ISRN Biotechnology, http://dx.doi.org/10.1155/2014/305349.

12. S. Anusuya & M. Sathiyabama, 2013. Identification of defence proteins from the seed exudates of *Cicer arietinum* L. and its effect on the growth of *Fusarium oxysporum* f.sp. *ciceri***.** Archives of Phytopathology and Plant Protection, http://dx.doi.org/10.1080/03235408.

13. Anusuya N, Anusuya S, Manian R, Siddhuraju P, Manian S. Antioxidant and free radical scavenging activity of certain dietary and medicinal plant extracts. Food. 2009; 3: 47-52.

Cumulative Impact Factor: 19.4;

Total Citations as per google scholar: 116 since 2014; h- index: 7; i10-index: 5

Conferences/Seminars

- Participated in International conference on "**Cancer inferno and its prevention strategies**" organized by PG Department of Biochemistry, Periyar EVR college, Trichy (22.02.2019).
- Participated in International conference on "**Potential impact of pesticides on environment and human health**" organized by Department of Chemistry, Dayananda Sagar University, Bengaluru (November 2nd-4th, 2017).
- Presented poster entitled "**Zinc oxide nanoparticles promotes the growth of ragi (*Eleusine coracana* (L.) Gaertn.) seedlings under salt stress**" in 10th NABS National conference on Recent trends in Life Sciences: Research, Practices and Application for sustainable development, Bharathiar University, Coimbatore (7-8 September, 2017).
- Participated in Indo-French Seminar on "**Women in Science**" through CEFIPRA in Indian Institute of Science Bangalore, India (3-5 Feb 2015).
- Won third place in oral presentation entitled "**Chitosan induced disease resistance in *Curcuma longa* L. against rhizome rot**" in National conference on Agricultural Biotechnologies for sustainable food security, Pudukkottai, TamilNadu (22 - 24 March 2013).
- Presented Poster entitled "**Application of chitosan to turmeric plants induce defense enzymes, plant growth and control rhizome rot disease under field condition**" in National symposium on pathogenomics for diagnosis and management of plant diseases, CTCRI, Thiruvananthapuram (24-25 October, 2013).

Positions held:

- ✓ Reviewer in Springer journals (Nat. Prod. Res., Bionanosci.)
- ✓ Reviewer in Elsevier journals (Ecotoxicol. Environ. Safety, Biocat. Agri. Biotech.)
- ✓ Reviewer in International Journal of Nanoscience