



Dr. N.SASIREKHA M.Sc., M.Phil., Ph.D.,

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Areas of Interest - **Toxicology**
Microbiology
Vermiculture
Mushroom cultivation

Awards - NIL

Membership in Learned Societies - NIL

Teaching Experience – **4 YEARS**

1. **S.P. College of Science & Arts, Department of Biotechnology, Madurai.**
From 01.02.2008 to 02.12.2009 - 1 year 10 months
2. **Government Arts College For Women, Department of Zoology, Sivagangai.**
From 20.03.2019 to till date - 2 Years 2 month

Publications:

BOOK PUBLICATION

1. A chapter entitled on “**Heavy metals a unique health hazard**” was published in the book “**Environmental Crisis and Sustainable Development: An Educational Perspective**. ISBN: 978-81-929575-7-9.

2. **Dr.N.Sasirekha** and Dr.M.Mumtaj was published a book “**Cultivation of Milky Mushroom**” ISBN: 978-83-86712-37-3.

PAPERS PUBLICATION

1. **Sasirekha, N.**, Kanmani, H. and M. Chandran (2008). “Air born fungal spores associated lung diseases in and around Madurai city”. *Bionotes* vol, 10(2):63 **ISSN-0972-1800**.
2. **Sasirekha, N.** and M. Chandran (2011). “Heavy metals accumulation in the selected irrigation ponds of Madurai District”. *Pro. Nat. Sem. Emer. Tren. Chal. Aqua. Biotec*, 72-74.
3. Anjanapriya, S., **Sasirekha, N.**, Sridevi, V. and J. Santhana Kumar (2012). “Genetic transformation of *E.coli* with catabolic plasmid from *Pseudomonas sp*”. *International Journal of Current Science*, 2: 32-36. **ISSN: 2250-1770**.
4. Sridevi, V., Anjanapriya, S., **Sasirekha, N.** and J. Santhana Kumar (2012). Studies on biochemical changes in rabbit (*Oryctolagus cuniculus*) treated with aluminium compounds. *International Journal of Current Science*, 2:105-112. **ISSN: 2250-1770**.
5. Velladurai, P., Anjanapriya, S., Judithcaroline and **N. Sasirekha** (2014). Studies on residual analysis in rabbit (*Oryctolagus cuniculus*) treated with aluminium compounds. *International Journal of Current Microbiology and Applied Science*, 3(1): 120-126. **ISSN: 2319-7706**.
6. Judith Caroline., Christina Caroline., **Sasirekha, N.** and S. Anjana Priya (2015). Screening for fecal Coliforms from different drinking water sources in Madurai city and testing the efficacy of plant extracts against the isolates. *International Journal of Current Microbiology and Applied Science*, 4(2): 617-622. **ISSN: 2319-7706**.
7. **N.Sasirekha** and P.S.Navaraj (2015). Cadmium contamination in green leaves grown in Madurai District, India. *International Journal of Current Microbiology and Applied Science*, 4(2): 610-616. **ISSN: 2319-7706**.
8. **N.Sasirekha** and P.S.Navaraj (2015). Assessment of heavy metals pollution in drinking water in Madurai District. *Clean Environment Journal*, 1(1): 25-31. **ISSN: 2204-4973**.

9. A. Radha, M.Mumtaz and **N.Sasirekha** (2019). Efficacy of *Lemna minor* in the reusage of sugar mill effluent. *Recent Trends in Biodiversity Conservation and Utilization*. 1-11. **ISBN: 978-81-907579-6-6**.
10. **N.Sasirekha**, M.Mumtaz and A. Radha (2019). A review on antimicrobial activity of *Solanum trilobatum* and *Solanum surattense* against gram negative bacteria. *Recent Trends in Biodiversity Conservation and Utilization*. **ISBN: 978-81-907579-6-6**.

GENBANK SUBMISSION

Nucleotide sequences:

1. *Psychrobacter celer* strain AVRB23 16S ribosomal RNA gene, partial sequence – MH553166
2. *Pseudomonas aeruginosa* strain AVRB11 16S ribosomal RNA gene, partial sequence- MH424728
3. *Enterococcus casseliflavus* strain AVRB08 16S ribosomal RNA gene, partial sequence – MH507192
4. *Citrobacter freundii* strain AVRB13 16S ribosomal RNA gene, partial sequence – MH553156
5. *Bacillus cereus* strain AVRB25 16S ribosomal RNA gene, partial sequence – MH507189

SPECIAL TRAINING:-

1. **Poultry training** in Veterinary Center, Agriculture University, Madurai.
2. **Spawn production** and **Mushroom cultivation** training from 08.09.2015 to 08.10.2015 in Voluntary Association for
People Service (VAPS) an **organization of Ministry of MSME**, Government of India
[Duration - 1 month].
3. **Vermicomposting Training** in the Department of Soil Science and Environment, Agriculture College, Madurai.

4. **“Packaging of light engineering goods”** from 16th – 23rd November, 2020 conducted by the Indian Institute of Packaging, Chennai in Association with the Ministry of MSME, Government of India.

Research Scholars - NIL

Sponsored Projects - NIL

Conferences and Workshops Organized - NIL

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Government Arts College for Women,
Sivaganga – 630 562.
