

## **List of Selected Publications**

1. Mohana Krishna Reddy Mudiam, Ratnasekhar Ch, Abhishek Chauhan, **Natesan Manickam**, Rajeev Jain and R. C. Murthy (2012) Optimization of UA-DLLME by experimental design methodologies for the simultaneous determination of endosulfan and its metabolites in soil and urine samples by GC–MS. *Analytical Methods*, 4, 3855
2. **Natesan Manickam**, Abhay Bajaj, Harvinder S. Saini and Rishi Shanker (2012) Surfactant Mediated Enhanced Biodegradation of Hexachlorocyclohexane (HCH) Isomers by *Sphingomonas* sp NM05. *Biodegradation*.23: 673-682.
3. **Natesan Manickam**, Siddhika Pareek, Ishwinder Kaur, Nitin Kumar Singh and Shanmugam Mayilraj (2012) *Nitratireductor lucknowense* sp. nov., a novel bacterium isolated from a pesticide contaminated soil. *Antonie van Leeuwenhoek* 101: 125-131.
4. Ashutosh Pathak, Rishi Shanker, Satyendra Kumar Garg and **Natesan Manickam** (2011) Profiling of biodegradation and bacterial 16S rRNA genes in diverse contaminated ecosystems using 60-mer oligonucleotide microarray. *Applied Microbiology and Biotechnology*: 90.1739-1754.
5. Bajaj, A., A. Pathak, M.R. Mudiam, S. Mayilraj and **N. Manickam** (2010) Isolation and characterization of a *Pseudomonas* sp. Strain IITR01 capable of degrading a-endosulfan and endosulfan sulphate; *Journal of Applied Microbiology* 109: 2135 – 2143.
6. Jitendra Nath Tiwari, Mudiam Mohana Krishna Reddy, Devendra Kumar Patel, Sudhir Kumar Jain, Ramesh Chandra Murthy and **Natesan Manickam**. (2010) Isolation of pyrene degrading *Achromobacter xylooxidans* and characterization of metabolic product. *World J Microbiol Biotechnol.* 26:1727–1733
7. **N. Manickam**, A. Pathak, H.S. Saini, S. Mayilraj and R. Shanker (2010) Metabolic profiles and phylogenetic diversity of microbial communities from chlorinated pesticides contaminated sites of different geographical habitats of India *Journal of Applied Microbiology* 109, 1458–1468.
8. M.S. Baig and **N. Manickam** (2010) Homology modelling and docking studies of *Comamonas testosteroni* B-356 biphenyl-2,3-dioxygenase involved in degradation of polychlorinated biphenyls. *International Journal of Biological Macromolecules* 46:47–53.
9. **N. Manickam**, M. K. Reddy, H. S. Saini and R. Shanker (2008) Isolation of hexachlorocyclohexane-degrading *Sphingomonas* sp. by dehalogenase assay and characterization of genes involved in c-HCH degradation; *Journal of Applied Microbiology* 104: 952–960.

10. **Manickam, N.**, Ghosh, A., Jain, R. K. and Mayilraj, S (2008). Description of a novel indole oxidizing bacterium *Pseudomonas indoloxydans* sp. nov., isolated from a pesticide contaminated site. *Syst. Appl. Microbiol* 31: 101-107.
11. **N. Manickam** . M. Mau, and M. Schlömann (2006). Characterization of the novel HCH-degrading strain, *Microbacterium* sp. ITRC1. *Appl Microbiol Biotechnol* 69: 580–588;
12. **N. Manickam**, R. Misra and S. Mayilraj (2006). A novel pathway for the biodegradation of  $\gamma$ -hexachlorocyclohexane by a *Xanthomonas* sp. strain ICH12. *Journal of Applied Microbiology* 102: 1468–1478.
13. Rajiv Ahuja, Niranjana Awasthi, **Natesan Manickam** and Ashwani Kumar (2001). Metabolism of 1,1-dichloro-2,2-bis(4-chlorophenyl)ethylene by *Alcaligenes Denitrificans*; *Biotechnology Letters* 23: 423–426, 2001.
14. N. Awasthi, **N. Manickam** and A. Kumar (1997) Biodegradation of Endosulfan by a Bacterial Coculture; *Bull. Environ. Contam. Toxicol.* (1997) 59:928-934.

**Invited Lectures in various institutions: 10.**

**Presentations in overseas Universities and Institutions: 5**

**Conference presentations: 12.**

**Conference posters: ~20.**