

Curriculum Vitae of Prof. Jyoti Jadhav



Professor Jyoti Jadhav is Professor of Biochemistry, Head, Department of Biotechnology, Shivaji University, Kolhapur and during last twelve years. She has nurtured this nascent department into a centre of academic and research excellence and has received more than 15 Crores funding and published **150** international publications and around **5068** citations, **36** h-index and **81** i-10 index, **2** patents and guided **25** Ph.D. students and **8** are recently working and **4** Post Doctorate students. She is world's leading scientist in the area of bioremediation and phytoremediation. She has made several noteworthy contributions on bioremediation of textile industrial effluents using microbial, plant and transgenic hairy roots and this approach has been employed to treat effluents from industrial wastes at HRTS Kagal MIDC Kolhapur. This work has been highly appreciated by Department of Biotechnology, New Delhi. Professor Jadhav was PI of Inter disciplinary Programme for Life Sciences (IPLS) of DBT which was successfully completed. Professor Jadhav has actively worked on Parkinson's disease, and mainly explored the plant *Mucuna* (16 *Mucuna* varieties having high L- DOPA content) for the isolation of L-Dopa, a drug widely used in the treatment of **Parkinson's disease**. Extensive experimental work has been done by her on the characterization of the drug including animal test models. This work has been published in high impact journals. She is also working in the area of **Alzheimer disease** specifically for the drug Galathamine. For this work, she has established highly sophisticated biochemical, analytical and animal tissue culture laboratories. She has been awarded with "**Women Scientist Award**" constituted by **Biotech Research Society of India** in **2012**. She is a member of **National Academy of Sciences India** and **Fellow of Maharashtra Academy of Sciences**. Recently, she has been awarded with "**Best Teacher Award**" by Shivaji University, Kolhapur. Professor Jadhav has delivered **100 more** invited talks in many national and international conferences, schools, collages, private institutes and she is a reviewer of **66** international Journals and member of around **70** national and international advisory committees across the country also prominently she worked in the NAAC assessment council.