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|---|---|-------------|------------------------|--|
| <b>Title</b>  | Dr.   | <b>Name</b> | Preeti Dass            | <b>Photograph</b><br> |
| <b>Department</b>   | School of Studies in Microbiology               |             |                        |  |
| <b>Designation</b>  | Lecturer  |             |                        |  |
| <b>Address</b>  | 103, Mahashweta Nagar<br>Ujjain (M.P.)<br>India |             |                        |  |
| <b>Phone- Office</b>  | 0734 2520306                                    |             |                        |  |
| <b>Residence</b>  |   |             |                        |  |
| <b>Mobile</b>   | 9893287830                                      |             |                        |  |
| <b>E-Mail</b>   | dasspreeti@hotmail.com                          |             |                        |  |
| <b>Educational Qualifications</b>   |   |             |                        |  |
| <b>Degree</b>   | <b>Institution</b>                              |             | <b>Year</b>            |  |
| Ph.D.   | Vikram University,ujjain                        |             | 1997                   |  |
| PG  | Vikram University,ujjain                        |             | 1990                   |  |
| UG  | Vikram University,ujjain                        |             | 1988                   |  |
| Other   |   |             |                        |  |
| <b>Career Profile</b>   |   |             |                        |  |
| <b>Lecturer</b>   | Vikram University , Ujjain (M.P.)               |             | Nov., 2007 - Till date |  |
| <b>Area of Interest/ Specialization</b>   |   |             |                        |  |
| Environmental Microbiology  |   |             |                        |  |
| <b>Subjects Taught</b>  |   |             |                        |  |
| Microbiology, Botany  |   |             |                        |  |
| <b>Publication Profile</b>  |   |             |                        |  |
| <b>Research Papers:</b>   |   |             |                        |  |
| <b>(A). Journal Papers:</b>   |   |             |                        |  |
| <u>International:</u>   |   |             |                        |  |
| 1. R. Inamori, P. Gui, <b>P. Dass</b> , M. Matsumura, K. Q. Xu, T. Kondo, Y. Ebie, Y. Inamori. Investing CH <sub>4</sub> and N <sub>2</sub> O emissions from ecoengineering wastewater treatment process using constructed wetland microcosms. <i>Process Biochemistry</i> , 2007,42, 363-373 |   |             |                        |  |
| 2. <b>P. Dass</b> , M. Mizuochi and Y. Inamori. Vertical Distribution of Methane oxidizing bacteria in Constructed Wetland. <i>Japan Society on Water Environment</i> . March 2003, pp-1-C-18-1.  |   |             |                        |  |

3. **P. Dass**, M. Mizuochi, Y. Inamori and N. Iwami. Role of Aquatic Macrophyte in Pollutant removal and Green House gas control during Wastewater Treatment. *Japan Society on Water Environment*. March 2002, pp - 40, A -27.
4. **P. Dass**, M. Mizuochi and Y. Inamori. Effect of Plant type and input concentration on green house gas emission and pollutant removal from constructed wetland. *Japanese Journal of Water Treatment Biology*. March 2001, pp-1-C-13-2.
5. **P. Dass**, K. Kaur, S. K. Billore and Y. Inamori. Study on Methane Emission in Aquatic and Terrestrial System. *Japan Society on Water Environment*. March 2001, pp -18-1-B-10-1.
6. Billore SK, Singh N, Ram H, Sharma JK, Singh Vijai P, Nelson RM & **Dass P**. Treatment of a Molasses Based Distillery Effluent in a Constructed Wetland in Central India. *Water Science and Technology*. 2001,44 :441–448.
7. Billore SK, Singh N, Sharma JK, **Dass P**. & Nelson RM. Horizontal subsurface flow gravel bed constructed wetland with *Phragmites Karka* in Central India. *Water Science and Technology*. 1999, 40: 163-171.

**Nationals:**

1. R. C. Verma, Ramesh Ahirwar & **Preeti Das**. Induction of polyploidy in *Phlox drummondii* by colchicines. *J. Cytol. & Genet*. 2011, 12 : 1-5.
2. Singh V.P, **Dass P.**, Kaur K., Billore S. K., Gupta P. K., and Parashar D. C.. Nitrous Oxide fluxes in a tropical shallow urban pond under influencing factors. *Current Science*. 2005, **88** : 478 – 481.
3. Billore SK, and **Dass P.**, Use of vegetative wetland to remove nitrogen from domestic sewage through ammonia volatilization, *Current Science*. 1993, 65: 886-887.

**(B). Conference Papers:**

**International:**

1. S.K. Billore, Prashant, J.K. Sharma, N. Singh, H. Ram, **P. Dass**, Roli Jain . Restoration and Conservation of stagnant water bodies by gravel-bed treatment wetlands and artificial floating reed beds in tropical India. In: *Proceedings of the 11<sup>th</sup> International Conference on Wetland Systems Technology in Water Pollution Control, India* pp.408-414. 2008.
2. **P. Dass**, R. Inamori, N. Iwami , M. Mizuochi and Y. Inamori. Role of emergent macrophyte ( *Phragmites and Zizania* ) in nutrient removal and flux of green house gases from wastewater in

constructed wetland. In *Proceedings of the 6<sup>th</sup> international Conference on Waste Stabilisation Ponds and 9th International Conference on Wetland Systems Avignon (France)*. September 2004.

3. Singh V.P., Kaur, K., **Dass, P.**, Billore, S.K. Seasonal impact on N<sub>2</sub>O source and sink potential in dry tropical climax forest and seral grassland in Central India. *III International Conference on Non-CO<sub>2</sub> Greenhouse gases: Scientific understanding, control option and policy aspects, Maastricht, The Netherlands*. pp.131–138.2002.

**Nationals:**

1. Singh Vijai Pratap, Kaur K, **Dass P**, Billore SK. Greenhouse gas (CH<sub>4</sub> & N<sub>2</sub>O) emission from municipal waste of Ujjain city, Central India. *Anacon'98, Conference on Chemistry in Next Millennium, Mumbai*. pp.34–37. 1998

**Books Published:**

*Authors name(s), Title of the book, name of the publisher, year*

**Research Guidance**

***Supervision of awarded Doctoral Thesis:***

*Scholar's name, year, Title of dissertation*

***Supervision of Doctoral Thesis, under progress:***

*Scholar's name, Title of dissertation*

1. R.P. Tiwari : Studies on Ethnoveterinary Medicinal Plants of Western Madhya Pradesh

***Supervision of M.Phil dissertations:***

*Scholar's name, year, Title of dissertation*

**Conferences Organized**

*Organization of a Conference*

**Conferences / Seminars etc. Attended**

**Research Projects**

**Name of Project:**

**Position in Project:**

**Period:**

**Grant:**

1. "Cytogenetic and Molecular characterization of some Medicinal plants of the family Liliaceae", funded by the M.P.C. S. & T., Bhopal (M.P.) Co.P.I., 2010 – 2013. 5 Lacs

## **Awards and Distinctions**

Awarded **Eco-Frontier Fellowship** at the National Institute of Environmental Studies, Tsukuba, Japan from 2000 –2003 for the study of “Study on the operation and management techniques to control CH<sub>4</sub> and N<sub>2</sub>O for the natural wastewater treatment process using soil and vegetation”.

## **Association with Professional Bodies**

### *Committees and Boards*

### *Memberships*

## **Other Activities**

### *Research Interests*

**Climate Change:** Greenhouse Gases –Sources, Sinks and Mitigation.

**Waste Water Management:** Through Constructed Wetland Technology  
(Phytoremediation)

### *Survey Articles*

### *Popular Article*

### *Delivered Lectures*

### *Forthcoming Research*