

**Puja Jasrotia**  
*curriculum vitae*

---

**Puja Jasrotia**

Department of Oceanography  
Florida State University  
Tallahassee, FL 32306-4320

Phone: 850-644-5719  
Email: jasrotia@ocean.fsu.edu

**Degrees**

Ph.D., Oceanography, Florida State University - Tallahassee, FL (2008 – present)  
M.S., Soil and Water Science, University of Florida - Gainesville, FL (2005)  
B.S., Delhi University - New Delhi, India (1997)

**Research Positions**

Graduate Research Assistant, Florida State University (2008 – present)  
Graduate Research Assistant, University of Florida (2003 – 2005)

**Professional Experience**

Senior Laboratory technician, Aquatic Sciences and Microbial Ecology Laboratory,  
Florida A&M University (2005 – 2007)  
Research assistant, Soil Microbial Ecology lab, Soil and Water Science Department,  
University of Florida (2002 – 2003)

**Publications**

**Puja Jasrotia** and A.V. Ogram. (2008) Diversity of *nifH* Genotypes in Floating Periphyton Mats Along a Nutrient Gradient in the Florida Everglades. *Current Microbiology*. 56:563.

**Puja Jasrotia** and A.V. Ogram. Nitrogenase Gene Expression in Epiphyton ‘Sweaters’ Over a Diel Period (In preparation).

**Jasrotia Puja**. (2005) Characterization of nitrogenase gene distribution and activity in WCA-2A periphyton. Masters Thesis, University of Florida, Gainesville, FL.

**Scientific meeting abstracts**

Poretsky, R, **P. Jasrotia**, J. Oliver, J. Cherrier, M. A. Moran. Gene expression of a marine *Roseobacter* during uptake and utilization of phytoplankton exudates. 11<sup>th</sup> International Symposium on Microbial ecology of International Society for Microbial Ecology (ISME), August 2006, Vienna, Austria.

**Puja Jasrotia**, A.V. Ogram, K. R. Reddy. Characterization of nitrogen fixing periphyton microbial communities in the Florida Everglades. 104<sup>th</sup> General Meeting of American Society for Microbiology (ASM), May 2004, New Orleans.

K. Sharma, H.C. Aldrich, **P. Jasrotia**, A. Al-Agely, A.V. Ogram, K. R. Reddy. Spatial distribution and characterization of the microbial communities associated with periphyton

mats in the phosphorus-limited Everglades ecosystem. 103<sup>rd</sup> General Meeting of American Society for Microbiology (ASM), May 2003, Washington DC.

### **Oceanographic Cruise Experience**

Light mediated DOM release by natural phytoplankton populations and implications for Carbon cycling, West Pass, Apalachicola bay, Florida, 3 days, R/V Bellows (2007)

Light mediated DOM release by natural phytoplankton populations and implications for Carbon cycling, Tofino Inlet, BC, Canada, 4 days, R/V Barnes (2006)

### **Honors**

Member - American Society for Microbiology

Associate Member – Sigma Xi, the Scientific Research Society

Member - Thalassic Society at Florida State University

### **Teaching**

Teaching Assistant, Soil Microbial Ecology, University of Florida, Fl. (fall 2004)

### **Technical Skills**

- Culturing of aerobic and anaerobic wetland bacterial isolates
- Phytoplankton and bacterial enumeration
- Isolation of genomic DNA and RNA
- PCR, RT-PCR
- Molecular cloning of 16S rDNA and gene specific templates
- Phylogenetic analyses
- T-RFLP design
- Biogeochemical analyses (TOC, TN, Nitrate/ Nitrite, and Ammonium)
- GC and HPLC