

Fulbright New Century Scholars



● New Century Scholar



Ira A. Levine

- ▶ Specialization:
Phycology
- ▶ Home Institution in US:
**University of Southern Maine, LAC
Lewiston, Maine**
- ▶ Host Institution in India:
**University of Delhi
Delhi**
- ▶ Start Date/Month in India:
September 2009
- ▶ Duration of grant:
3 months

Brief Bio:

Dr. Ira A. Levine received his B.S. from State University of New York, Binghamton in 1976; M.S. from University of South Florida in 1980; and Ph.D. from University of Hawaii in 1986. Dr. Levine has nearly thirty years of phycological experience as a President/CEO of PhycoGen, an algal cultivation and biotechnology company along with his present position as a tenured Associate Professor of Natural and Applied Science at the University of Southern Maine. This additional professional experience includes a visiting Professorship at Duke University and Curator of the Maine Aquarium. Dr. Levine has presented at 32 national and international conferences and published 27 articles.

The goal of Dr. Levine's Fulbright Grant is to enhance the collaboration between USA and India for the development of micro and macro algal farming. With new market segments developing, i.e. Biofuels based on algae cultures; there is an opportunity in both USA and India to expand and enhance these capabilities. Collaboration objectives include: Identification of potential culture sites, development of commercial algal species and algal farming introduction and training. Project outcomes will be disseminated through publications, training workshops and web-based applications targeting academics, future farmers, and governmental extension agents.



● New Century Scholar



Pankaj Sharma

- ▶ Specialization:
Physics
- ▶ Home Institution in US:
**Purdue University
West Lafayette, Indiana**
- ▶ Host Institution in India:
**Centre for Cellular and Molecular Biology
Hyderabad, Andhra Pradesh**
- ▶ Start Date/Month in India:
October 2009
- ▶ Duration of grant:
9 months

Brief Bio:

Dr. Pankaj Sharma holds a Ph.D. in Physics and Master's degrees in Solid-State Physics and Business Administration and an Advanced Certificate in Applied Computer and Information Technology. Dr. Sharma is Associate Director for Operations and International Affairs at Discovery Park, Purdue University. He also currently holds a courtesy Associate Professor appointment in Industrial Technology. His key responsibilities include strategic planning, coordination, communication, and integration of synergistic research among the Discovery Park centers. He also serves as a key liaison between Discovery Park and research institutions including corporations in India. Prior to joining Discovery Park, Dr. Sharma was an Associate Director of Purdue's Rare Isotope Measurement Laboratory at Purdue. His current interests include research administration and strategic planning of interdisciplinary research enterprise in nanotechnology; biosciences; entrepreneurship; healthcare engineering; cyber infrastructure; energy; environment; climate change; global competitiveness; and science, technology, and policy. Before coming to Purdue in 1993, Dr. Sharma was a researcher at the University of South Carolina, the University of Pennsylvania, the University of Delaware, and the University of Rochester. Some of his recent co-publications are : 'Discovery Park at Purdue University: Engine for Academic and Commercial Growth', presented at 2008 BioNano Technology and Pharmaceuticals Research Workshop, Hyderabad, India, March 2008 and 'Marketing and Managing a Research Core/Facility, In 'New Approaches to Managing, Marketing, and Money for Maintaining a Core Facility (4Ms) MSA Facility Operation and Management Focused Interest Group, *Journal of Microscopy Society of America* 15(2007) 46-51.

Dr. Sharma will be pursuing research titled 'Discovery with Delivery: Study of Purdue Innovation System and India Innovation System.' Dr. Sharma will study the innovation system and its associated key clusters in India and identify interdisciplinary barriers and opportunities for innovation systems in India. His study will Identify joint interdisciplinary opportunities including technology development in grand challenge projects in energy, health, environment, food, and infrastructure development with key partnering institutions in India.