

Palestra do Prof. Dr. Arun K. Bhunia

“Bacterial Pathogenesis and Novel Biosensor Tools: Complimentary Approaches to Food Safety”

Dia: 10/08/2012 (Sexta-Feira)

Hora: 10h:30min

Local: Salão Nobre - FAEM

Curriculum Vitae

Arun K. Bhunia, BVSc, PhD

Purdue University

Professor of Food Microbiology

Dr. Arun Bhunia é professor da Purdue University no Departamento de Food Science, lecionando disciplinas no programa “Purdue University Interdisciplinary Life Science Program – PULSe”. E professor responsável pelo Laboratório de Microbiologia Molecular de Alimentos na mesma instituição.

Formado em Medicina Veterinária em 1984 pela universidade de West Bengal University of Animal and Fishery Sciences, na Índia.

Dr. Bhunia possui Ph.D em Microbiologia de Alimentos pela Universidade de Wyoming - EUA em 1989 e Pós-Doutorado em 1994 pela Universidade de Arkansas - EUA.

Seu foco de pesquisa é aplicado na detecção de patógenos empregando sensores ópticos e elétricos, os quais incluem *biochips*, *light scattering*, fibra óptica e sensor baseado em células. Ele também investiga o mecanismo de patogenicidade de *Listeria monocytogenes* durante a fase intestinal de infecção, e a utilização de estratégias de controle deste patógeno usando probióticos.

Atualmente, Prof. Bhunia possui 123 artigos científicos publicados em periódicos internacionais. E ainda, 19 publicações como autor e co-autor de livros na área de Microbiologia de Alimentos e Biosensores, sendo dois livros como autor principal em microbiologia de alimentos, dois livros como editor principal e 15 capítulos em livros na área.

Página do Laboratório de Microbiologia Molecular de Alimentos – Purdue University Molecular Food Microbiology Lab.

<https://ag.purdue.edu/foodsci/labs/bhunias/Pages/default.aspx>

Biosketch
Arun Bhunia, PhD
Professor



Arun K. Bhunia is a Professor of Food Microbiology in the Department of Food Science at Purdue University, West Lafayette, Indiana and also has courtesy appointment in the department of veterinary comparative pathobiology at Purdue. He received BVSc (DVM equivalent; 1984) from West Bengal University of Animal and Fishery Sciences, Kolkata (India); Ph.D. (1989) from University of Wyoming, Laramie, WY (USA) and Postdoctoral training (1994) from University of Arkansas, Fayetteville, AR (USA). His research focus is on pathogen detection employing optical and electrical sensors including, protein biochip, light scatterings, fiber-optic and cell-based sensors. He is also investigating the mechanism of pathogenesis for *Listeria monocytogenes* during intestinal phase of infection and subsequent control strategies using probiotics. He is also active in teaching graduate level courses; Microbial Foodborne Pathogens; Microbial Techniques for Food Pathogens, and Intestinal Microbiology and Immunology (journal club). He routinely delivers guest lectures on foodborne diseases to veterinary and public health students at Purdue and offers short courses at international institutions. His professional achievements and awards include 123 refereed journal articles, 2 text books (Fundamental Food Microbiology; Foodborne Microbial Pathogens: Mechanisms and Pathogenesis), 2 edited books, 15 book chapters, 33 proceeding articles, 137 research abstracts, and delivered more than 84 invited talks, keynote and plenary talks in national and international meetings, served on review panels for federal grants, and chaired sessions in national and international meetings. He was awarded two patents, and received Purdue Agriculture Research Award (2003), Purdue Faculty Scholar (2005), Purdue Team Award (2006), IFT R&D Award (2009), and Outstanding Graduate Educator Award in the Department of Food Science at Purdue (2010). He is now serving as Editor-in-Chief of Open Journal of Medical Microbiology and Editor for Journal of Nutrition and Food Science, Conference Papers in Microbiology, J. Biomedicine and Biotechnology, Antibody Technology, and Gut Pathogens.