

COLLEGE OF SCIENCE AND MATHEMATICS

CLEMENT AGA ALO

Earth and Environmental Studies Department

B.S. Kwame Nkrumah University of Science and Technology

M.S. Clark University

Ph.D. University of Connecticut

DR. ALO comes to MSU from the Department of Earth and Planetary Science at Johns Hopkins University where, as an Assistant Research Scientist, he worked with NASA scientists and technical experts from the Nile region to study landscape-processes and to produce improved hydrometeorological information for decision support. During his postdoctoral fellowship at the University of Connecticut (2009-2010) he conducted research on global warming impacts of the Mediterranean region and taught undergraduate and graduate courses in hydraulics and hydrology. He has published in journals such as *Plant Ecology*, *Climate Dynamics*, and *Geophysical Research*. Prior to pursuing graduate studies, Dr. Alo held numerous engineering positions. His research interests include regional and global climate modeling; hydroclimatology; climate change impacts and land surface modeling.

CATHERINE A. HOLL-CROSS

Mathematical Sciences Department

B.A. The College of New Jersey

M.A. University at Albany, State University of New York

MS. HOLL-CROSS will spearhead the establishment of the first Red Hawk Math Learning Center that will serve as a classroom/computer laboratory for the teaching and learning of mathematics. Ms. Holl-Cross began her career as a high school math teacher. She has served as an Adjunct instructor at Schenectady County Community College, Hudson Valley Community College and most recently at Brookdale Community College. She has a strong background in curriculum development, on-line learning and technology assessment.

ERIN ELIZABETH KRUPA

Mathematical Sciences Department

B.S. Elon University

M.S. Wake Forest University

Ph.D. North Carolina State University

DR. KRUPA recently completed her dissertation in mathematics education at North Carolina State University. For the past three years, she held graduate research assistantships at the Friday Institute for Educational Innovation at NCSU where she served as a member of two research teams: the North Carolina Integrated Mathematics Project (NCIM), and the Diagnostic E-Learning Trajectories Approach (DELTA). Dr. Krupa's research activities include quantitative and qualitative techniques. Prior to enrolling in a doctoral program, she taught high school

mathematics in Raleigh, NC. Dr. Krupa has presented at peer reviewed conferences and prepared evaluation and summary reports on integrated mathematics and curriculum design/development.

PANKAJ LAL

Earth and Environmental Studies Department

B.S. University of Delhi

M.S. Geography, Delhi School of Economics

M.S. Forestry Management, Indian Institute of Forest Management

Ph.D. University of Florida

DR. LAL's research interests span environmental economics and policy, resource management and conservation and modeling and analysis. He has over seven years of professional experience in environmental economics in India. He is credited for two dozen research publications in peer reviewed journals, United States Department of Agriculture technical reports, book chapters, and research reports. Dr. Lal has secured more than \$840,000 research grants from multilateral and bilateral agencies, government, NGOs and the private sector. He joins MSU after serving as visiting scholar at Virginia Polytechnic and State University.

DAVID ROTELLA

Margaret and Herman Sokol Chair of Chemistry

Chemistry and Biochemistry Department

B.S. University of Pittsburgh

Ph.D. Ohio State University

DR. ROTELLA began his career as a Postdoctoral Scholar at Penn State University, followed by a an appointment as Assistant Professor in the Department of Pharmacognosy at the University of Mississippi where in just 4 years he obtained more than \$250,000 in external funding from multiple agencies for his research program. Shortly thereafter, he moved to industry joining Cephalon Inc., Bristol-Myers Sqibb, Lexicon Pharmaceuticals and then Wyeth Research (now Pfizer) where he led teams in multiple drug discovery programs. His team led to an advanced phosphodiesterase inhibitor active molecule in less than 1 year. He also contributed to the discovery of PDE5 and DPP4 inhibitors that advanced clinical development. Dr. Rotella played a leadership role within the Division of Medicinal Chemistry of the American Chemical Society and served as co-editor of the 7th edition of Burger's Medicinal Chemistry. He continues to act as senior editor of the Royal Society of Chemistry's Drug Discovery book series. Dr. Rotella has authored over 30 scientific publications, several books and book chapters, currently holds 7 patents, and has presented more than 30 invited lectures at US universities since 1991 on drug discovery topics.

MICHAEL D. SCEHOVIC

Computer Science Department
B.S. The College of New Jersey

MR. SCEHOVIC will support the teaching and research objectives of the department by providing installation, maintenance, and management of computer systems and networks as Systems Administrator in the Department of Computer Science. He has over 14 years professional experience as web/database developer and systems administrator. Prior to joining MSU, Mr. Scehovic was Information Technology and Support Specialist in the Bloomfield Public School District.

JENNIFER J. SCHIFFER

Computer Science Department
B.S. Montclair State University

MS. SCHIFFER is responsible for providing administrative assistance to the department chairperson in areas including course scheduling, accreditation, student coordination, undergraduate advisement and program development. Prior to becoming Department Administrator, Ms. Schiffer served as adjunct and graduate assistant for the Computer Science Department, and is a self-employed freelance web developer. She is in the process of completing her MS in Computer Science at MSU.

VLADISLAV SNITSAREV

Biology and Molecular Biology Department
B.S. Moscow Physics and Technology Institute
M.S. Moscow Physics and Technology Institute
Ph.D. Bobomolets Institute of Physiology

DR. SNITSAREV joined the department of Biological Sciences at the University of Iowa as a research associate in 1998 after serving as visiting scientist, research associate and research fellow in the United Kingdom and Kiev for six years. In 2000 he moved to the Department of Internal Medicine as an Assistant Research Scientist, and then as Research Associate in the Department of Pharmacology and Physiology at UMDNJ. He joined MSU in 2009 as Visiting Assistant Professor at the Department of Biology and Molecular Biology. His research interests span biophysics, electrophysiology and data analysis. He has mentored student research projects that resulted in (student) presentations at regional meetings. Dr. Snitsarev has published articles in such journals as *Physiology*, *Biophysics*, and *Hypertension*.

LAYING WU

Electron Microscopy Specialist/Lab Director

B.S. Beijing University of Chemical Technology

M.S. Beijing University of Chemical Technology

Ph.D. University of South Carolina

DR. WU recently completed her dissertation in Organic Chemistry at the University of South Carolina where she has served as Research Assistant at the Electron Microscopy Center for four years. She is trained in various aspects of microscopy, specimen preparation, imaging and microanalysis. From 2002 to 2005, she was a research engineer at the Institute for Nonferrous Metals in Beijing. As Electron Microscopy Specialist for CSAM, Dr. Wu will support research and teaching efforts at MSU by instructing students, faculty, and visitors in the use of our Hitachi S2460N and S3400N Electron Microscopes.