Faculty Research by Name

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Aleong, Dr. Chandra [24], Assistant Professor, Education Department
Business areas/topics and its interaction with Education; also Transportation

Balogun, Dr. F. Odun [25], Professor, English and Foreign Languages Department
My research interests are the African short story and novel. Lately, how self identity is influenced by temporal and physical setting in African and African American prose.

Banerjee, Dr. Padmini [26], Assistant Professor, Psychology Department
Adaptation to host country and mental health issues in transnational diasporic immigrant/ refugee populations/ public policy implications.

Barczewski, Dr. Richard A. [27], Associate Professor, Agriculture and Natural Resources Department
Animal Science, Sustainable Agriculture, Animal Behavior

Barkley, Dr. Lisa C. [28], Dean, College of Health and Public Policy
Health disparities; obesity; adolescent care

Becker, Donald W. [29], Assistant Professor, Visual and Performing Arts Department
Intaglio prints with emphasis on the archeological object.

Besong, Dr. Samuel A. [30], Associate Professor, Family and Consumer Sciences Department
Influence of Omega-3 Fatty acids on lipid metabolism and regulation genes involve in biosynthesis of cholesterol; intervention strategies to address overweight and obesity among Children and adolescences; identification of Tropical Plants species rich in Nutraceuticals, especially Omega-3 fatty Acids and their Health Implications

Beugre, Dr. Constant D. [31], Associate Professor, Management Department
Organizational Justice and Offshoring

Bieker, Dr. Richard F. [32], Professor, Accounting and Finance Department
Economics of Education; Pension Planning; Economics of Aging; Asset Allocation in Defined Contribution Pension Plans; Household Economics

Biswas, Dr. Anjan [33], Associate Professor, Mathematical Sciences Department
Theory of Solitons; Nonlinear optics; Plasma Physics; Fluid Dynamics; Nuclear Physics; Mathematical Biosciences

Broderick, Dr. Cyril E. [34], Associate Professor, Agriculture and Natural Resources Department
Plant Physiology and Plant Tissue Analysis

Cawley, Dr. Alexa S. [35], Visiting Assistant Professor, History, Political Science and Philosophy Department
Colonial American and Atlantic World History, especially in the Chesapeake and Eastern Shore regions

Chan, Dr. Leo H. [36], Assistant Professor, Accounting and Finance Department
Financial Markets Integration, Market Efficiency, Market Microstructures, International Finance, Corporate Finance, Futures and Options

Chen, Dr. Li [37], Associate Professor, Sport Management Department
Human resources management in sport, coaching evaluation and incentives, sport marketing

Cheng, Dr. Yinghong [38], Assistant Professor, History, Political Science and Philosophy Department
World history, Chinese history

Chu, Dr. Ling-chuan [39], Assistant Professor, Psychology Department
My nascent research interests are in two areas. One area is to examine the social perception of names, racial identity and body image. The second area is in health psychology. I am exploring the practical implications of psychology principles in weight control, and stress management.

Crawford, Lori [40], Associate Professor, Visual and Performing Arts Department
Advancing Computer Graphics through Art

Davis, Dr. Leonard G., [41]Associate Professor, Biological Sciences Department
Molecular mechanisms of neuronal function

DiMaria, Dr. Peter R. [42], Associate Professor, Chemistry Department
RNA Processing

Dujari, Dr. Anuradha [43], Professor, Education Department
Science education. Provided professional development to students/teachers/colleagues by developing modules, protocols, and courses to enhance learning.

Edwards-Omolewa, Dr. Nicola D. **[44]**, Assistant Professor, Mathematical Sciences Department
Gender and Mathematics; Pre-K to 12 Mathematics Education

Falodun, Dr. Joseph O. [45], Associate Professor, Education Department
Cultural and Linguistic Differences in Literacy Acquisition; No Child Left Behind Legislation vs. Teaching and Learning.

Fick, Dr. Kathleen M. [46], Assistant Professor, Mathematical Sciences Department
Mathematics education; Ordinary differential equations

Fox, Dr. Dewayne A. [47], Assistant Professor, Agriculture and Natural Resources Department
Habitat selection and delineation in aquatic systems; population dynamics and conservation of endangered species; migratory behavior of diadromous fishes; the role of trophic interactions in structuring aquatic communities.

Friedland, Dr. Billie L. [48], Associate Professor, Education Department
Teacher Work Sample as a means of documenting capstone experiences of Teacher Candidates; Reflection of Teacher Education Students on their Early Field Experiences; Accommodating the Needs of All Learners; Transition and Self-determination Issues

Friel, Dr. Brian M. [49], Assistant Professor, Psychology Department
Reading and Word Recognition Processes; Skill Development and Measures of Expertise; Decision Making in Dynamic Environments

German, Dr. Myna [50], Associate Professor, Mass Communications Department
Religion and Media; Women in Media; History of Religion

Gibson, Dr. Paul F. [51], Associate Professor, Mathematical Sciences Department
Different Geometry, Topology, Algebraic Probability.

Goudy, Dr. Andrew J. [52], Professor, Chemistry Department
Hydrogen Storage and Fuel Cell Research

Govindarajulu, Dr. Chittibabu [53], Visiting Associate Professor, Management Department
End-User Computing Management, Research on MIS Research, and XML Web Services

Guo, Dr. Mingxin [54], Assistant Professor, Agriculture and Natural Resources Department
Environmental fate and transport of agrochemicals in soils and water; Nutrient management and organic residue recycling; Biogeochemistry of trace elements in soil and aquatic systems; Surface/subsurface water quality chemistry; Soil remediation and land reclamation

Harrington, Dr. Melissa A. [55], Associate Professor, Biological Sciences Department
Neurophysiology; behavioral neuroscience

Heckscher, Christopher M. [56], Assistant Professor, Agriculture and Natural Resources Department
Behavioral Ecology of *Catharus* thrushes; Avian Habitat Selection; Biogeography of rare terrestrial vertebrates and and invertebrates; Conservation of biological diversity; Structure and function of rare and imperiled ecosystems; Long-distance vocal communication in visually impaired environments; and Effect of alien invasive plant species in forest ecosystems

Helmy, Dr. Fatma M. [57], Professor, Biological Sciences Department
Phospholipases, particularly the phospholipase A2 (PLA2), phospholipase C (PLC) families, and their hydrolytic action on phospholipids.

Hoff, Dr. Samuel B. [58], Professor, History, Political Science and Philosophy Department
American Institutions, American Political Thought, Research Methods, Political Psychology, American Foreign Policy

Ikein, Dr. Augustine A. [59], Associate Professor, Accounting and Finance Department
Oil, nation building and foreign policy in Nigeria and world oil dynamics.

Ivey, Dr. Stan [60], Associate Professor, Biological Sciences Department
P-glycoprotein glycosylation characterization; Ovarian Cancer, and Nanotechnology – 1) Sialic Acid-binding Oncoviruses and 2) Developing Nanotech Approaches to Deliver SMART Anti-cancer Agents

Kalavacharla, Dr. Venugopal [61], Assistant Professor, Agriculture and Natural Resources Department
Plant molecular genetics & genomics

Kibria, Dr. K.F.M. Gholam [62], Professor, Education Department
Assessment of children who are at-risk for developmental delay, overrepresentation of minorities in special education, teaching strategies for students with disabilities in post-secondary education, learning styles of students across the culture and disciplines, special education in developing countries

Kim, Dr. Dae Ryong [63], Associate Professor, Management Department
Human Computer Interface in IS & IT, Technology Acceptance on IT, Innovations in IT, E-Commerce & E-Business, Efficiency of E-commerce sites, and Group Support Systems

Kingsberry, Dr. Sheridan Quarless [64], Assistant Professor, Social Work Department
Obesity, Ethnic & Cultural Diversity and Gerontology
Kong, Dr. Kam C. **[65]**, Associate Professor, Computer and Information Sciences Department
Game Programming, Computer Graphics, Computational Geometry

Liu, Dr. Fengshan [66], Professor, Mathematical Sciences Department
Ground Penetrating Radar, Inverse Problems, Nonlinear Monotone Operators, Numerical Analysis, Wavelet Analysis, Statistics, Signal Analysis and Image Processing
Liu, Dr. Jinjie **[67]**, Assistant Professor, Mathematical Sciences Department
Numerical partial differential equations and scientific computing with applications in computational fluid dynamics, computational electromagnetics, nanophotonics, metamaterials and nonlinear optics

Lloyd, Dr. Andrew D. [68], Associate Professor, Biological Sciences Department

Microbial Ecology

Lott, Dr. Dawn A. [69], Associate Professor, Mathematic Sciences Department
Applied mathematics, numerical solutions of partial differential equations: numerical and analytical methods in solid mechanics, nonlinear elasticity/plasticity, hyperbolic equations and numerical studies in biomechanics and nonlinear physiology. Specialist in: Finite element methods, finite difference methods, finite volume methods and spectral methods.

Mayo, Dr. Cynthia R. [70], Associate Professor, Management Department
Leadership Development, Assessment, Guests Expectations, Pricing of Services and Products

McCallister, Dr. Rick [71], Associate Professor, English and Foreign Languages Department
Latin American Poetry, Central American Literature, Film

McCrea, Brigid [72], Assistant Professor/Extension Poultry Specialist, Cooperative Extension
Catfish food safety grant addressing The Needs Of High-Risk Small Flock & Niche Market poultry Flocks By Establishing The Center For Small Flock Research and Innovation

McGary, Dr. Sabrina M. [73] , Assistant Professor, Biological Sciences Department
Avian physiology and behavior

McIntosh, Dr. Dennis M. [74], Associate Research Professor and Extension Specialist, Aquaculture
Aquaculture Freshwater and marine aquaculture; water quality; integrated aquaculture/agriculture systems; aquaculture effluents; recirculation technology; sex ratio manipulation

McIntosh, Dr. William J. [75], Professor, Education Department
Effective college science teaching; Curriculum development

Melikechi, Dr. Noureddine [76], Dean, College of Mathematics, Natural Sciences and Technology
Optics and laser spectroscopy.
Mennella, Dr. Thomas A., [77]Assistant Professor, Biological Sciences Department
My lab studies the regulation of transcription in eukaryotic cells.

Metzendorf, Dr. Diane [78], Assistant Professor, Social Work Department
Women Issues (Violence Against Women)

Morrison, Mabel R. [79], Associate Professor, Visual and Performing Arts Department
The research, artistic, and musical creations are rendered to authenticate music as an academic discipline and to share the beauty of great classical masterpieces with students, academic scholars, and the general population.

Murgia, Dr. Carla J. [80], Associate Professor, Sport Management Department
Etiology & Intervention Training Effects - Musculoskeletal Injury in Elite Adolescent Athletes; Strength & Proprioception Training Effects in Mature Populations; Training Effects on Childhood Obesity; Internet Global Resource Sharing.

Nandakumar, Dr. Nagaiah [81], Professor, Mathematic Sciences Department
Functional Analysis, Real and Complex Analysis, Numerical Analysis, College Mathematics

Osei, Dr. Akwasi P. [82], Associate Professor, History, Political Science and Philosophy Department
Africa in the International System; Global Studies; Global Africa

Ozbay, Dr. Gulnihal [83], Research Professor, Agriculture and Natural Resources Department
Water quality driven toxicity in harmful algae, shellfish-algae dynamics, nutrient management, water quality, aquaculture regards to water quality management, aquatic ecology.
Pokrajac, Dr. Dragoljub M. **[84]**, Associate Professor, Computer and Information Sciences Department
Data mining, machine learning, visual analytics, computational geometry and discrete algorithms. Multidisciplinary research ranges from classification of spectroscopy data, to detection of unusual objects in surveillance videos, to applications in

environmental sciences and agriculture.

Rodriguez, Dr. Carlos M., [85] Associate Professor, Management Department
Relationship Marketing Strategic Alliances and Joint Ventures Internationalization Processes Decision Making Processes Strategic Marketing in Cross Cultural settings New Product Development and Technology Management

Rogers, Dr. Amy A. [86], Assistant Professor, Psychology Department
Social Justice

Shi, Dr. Xiquan **[87]**, Research Professor, Mathematical Sciences Department
Reverse Engineering, 3D model construction, NURBS, Numerical Analysis, Wavelet, Signal Analysis and Image Processing, Special Function.

Shorter, Angela D. [88], Director of the Center for Fitness and Wellness, Sport Management Department
Fitness, Wellness, Exercise Psychology

Skelcher, Dr. Bradley **[89]**, Associate Provost
3-Dimensional Imaging of Subsurface Archeological Objects
Homeland Security Partnership with Secretary of Homeland Security for the State of Delaware
Smolinski, Dr. Tomasz G. **[90]**, Assistant Professor, Computer and Information Sciences Department
Computational intelligence, machine learning, data mining and knowledge discovery, computational biology and bioinformatics, science education and innovative teaching techniques

Suri, Dr. Kul Bushan [91], Professor, Social Work Department
Integrating Social Services in the Schools in Delaware
Szabo, Dr. Theresa M. **[92]**, Assistant Professor, Biological Sciences Department
Neurophysiology, synaptic plasticity and the environment

Thomas-Haysbert, Dr. Clorice D. [93], Assistant Professor, Management Department
Hospitality, Tipping

Tomcho, Dr. Thomas J. [94], Assistant Professor, Psychology Department
Health psychology and adult psychopathology, involving the interplay of biopsychosocial factors that influence treatment adherence and outcome in patients with comorbid medical and psychological illness; developing methods of assessing patient adherence, identifying modifiable factors, and testing targeted interventions among patients with diabetes.

Tucci, Dr. Roberta [95], Associate Professor, Visual and Performing Arts Department
Arts Curriculum and Instruction; Art Program Evaluation; Professional Preparation for Artists; Creative Activity: Organic Abstraction: Acrylic on Canvas Paintings

Tucker, Dr. Arthur O. [96], Professor, Agriculture and Natural Resources Department
Ethnobotany, especially plants of flavor, fragrance, and medicine systematics of the Lamiaceae, especially the genus Mentha essential oil chemistry

Umoh, Dr. Hanson M. [97], Professor, Mathematical Sciences Department
Compact Left-Topological Semigroups, Ultrafilters and Topological Algebra

Vulinec, Dr. Kevina [98], Assistant Professor, Agriculture and Natural Sciences Department
Wildlife ecology, tropical ecology

Wang, Dr. Qiquan [99], Assistant Professor, Chemistry Department
Occurrence of human and veterinary pharmaceuticals in the environment and strategies of accelerating degradation of organic contaminants in the environment.

Watson, Dr. Clytrice L. [100], Assistant Professor, Biological Sciences Department

Microbiology: Use of Probiotics in disease prevention

Williamson, Dr. Joan W. [101], Associate Professor, Accounting and Finance Department
Accounting, Auditing and Public Policy

Workie, Dr. Bizuneh [102], Assistant Professor, Chemistry Department
Electrochemistry. Fuel Cell Recycling Technology Development. Non-aqueous electrophoretic deposition of aluminum nitride, and electrodeposition studies on heteropolymetallic complexes and palladium nanoparticles.

Yost, Dr. Susan E. [103], Herbarium Educator, Agriculture and Natural Resources Department
Ecology of violets (Violaceae) of N.E. U.S.; Vegetation Analysis, N.E. U.S.

Zerrad, Dr. Essaid [104], Professor, Physics and Pre-Engineering Department
Scattering Theory and Bounds on Amplitudes; Atomic Asymptotic Behavior of Amplitudes in Nonlinear phenomena; Laser-induced breakdown of Solids; Generalized Hartree-Fock Theory of Collisions.
Zhang, Dr. Guoping [105], Research Faculty, Mathematic Sciences Department
Mathematical physics and nonlinear PDEs, Inverse problem and its application to digital signal and image processing, Delay differential equations and its applications in biology

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