

**PB - 01**      **Preclinical Assessment of Garlic in the Management of Acute Promyelocytic Leukemia**

**Clement G. Yedjou, and Paul B. Tchounwou**

*Cellomics and Toxicogenomics Research Laboratory, NIH RCMI-Center for Environmental Health, CSET, Jackson State University, 1400 Lynch Street, P.O. Box 18540, Jackson, Mississippi, USA*

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**PB - 02**      **New Natural Chemotherapy Agent for Triple-Negative Breast Cancer Prevention**

**Mikala Jones<sup>1</sup>, Jennifer Sims<sup>1,2</sup>, Noel Tsabang<sup>1</sup>, Paul B. Tchounwou<sup>1</sup> and Clement G. Yedjou<sup>1</sup>**

<sup>1</sup>*Natural Chemotherapeutics Research Laboratory, NIH-Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University, 1400 Lynch Street, P.O. Box 18540, Jackson, MS 39217, USA*

<sup>2</sup>*Department of Behavioral and Environmental Health, School of Public Health, Jackson State University, 350 W. Woodrow Wilson Dr, P.O. Box 17038, Jackson, Mississippi, USA*

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**PB - 03**      **S100P Induces Glioblastoma Cell Transformation**

**Jennifer Sims<sup>1</sup>, Kenneth Ndebele<sup>1</sup> and Raphael D Isokpehi<sup>3</sup>**

<sup>1</sup>*Laboratory of Cancer Immunology Target Identification and Validation, Department of Biology, CSET, Jackson State University, 1400 J. R. Lynch Street, Jackson, MS 39217, USA*

<sup>3</sup>*College of Science, Engineering, and Mathematics, Bethune-Cookman University, Daytona Beach, FL, USA*

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**PB - 04**      **Cisplatin Disrupts MDM2-DAXX-HAUSP Complex, MDM2 Degradation and Activation of P53 in Murine Model of APL**

**Sanjay Kumar and Paul B. Tchounwou**

*Cellomics and Toxicogenomics Research Laboratory, NIH-Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University, 1400 Lynch Street, P.O. Box 18540, Jackson, Mississippi, USA*

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**PB - 05**      **Molecular Mechanisms of Perfluorooctanoic Acid Induced Toxicity in Human Kidney (HK-2) Cells**

**Desiree Conton<sup>1</sup>, Erika Dugo<sup>2</sup>, and Jacqueline J. Stevens<sup>1</sup>**

<sup>1</sup>*Molecular and Cellular Biology Research Laboratory, NIH RCMI-Center for Environmental Health, CSET, Jackson State University, 1400 JR Lynch Street, Box 18540, Jackson, MS 39217, USA*

<sup>2</sup>*Molecular Toxicology Research Laboratory, NIH RCMI-Center for Environmental Health, CSET, Jackson State University, 1400 JR Lynch Street, Box 18540, Jackson, MS 39217, USA*

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**PB - 06**      **Therapeutic Potential of Arsenic Trioxide (ATO) in Treatment of Hepatocellular Carcinoma: Role of Oxidative Stress in Ato-Induced Apoptosis**

**Erika B. Dugo<sup>1</sup>, Clement G. Yedjou<sup>1,2</sup>, Jacqueline J. Stevens<sup>1,2</sup> and Paul B. Tchounwou<sup>1</sup>**

<sup>1</sup>*National Institutes of Health RCMI-Center for Environmental Health, Jackson State University, USA*

<sup>2</sup>*Department of Biology, College of Science, Engineering and Technology, Jackson State University, USA*

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**PB - 07**      **Watershed Characterization and Stakeholder Identification of the Pearl River of the Eastern Gulf Coastal Plain, Southeastern United States**

**Mark A. Dugo<sup>1</sup>, Nicole Betson<sup>2</sup>, Andrea Brown<sup>2</sup>, Richterica Ford<sup>2</sup>, Tanisha Hinton<sup>2</sup>, Thomasina Jenkins<sup>2</sup> and Paul B. Tchounwou<sup>2</sup>**

<sup>1</sup>Mississippi Valley State University, Environmental Health Program, 14000 Hwy 82 West Box #7254, Itta Bena, MS 3894, USA

<sup>2</sup>Jackson State University, Environmental Science Ph.D. Program, P.O. Box 18540, Jackson, MS 39217 USA

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**PB - 08**      **Impact of Triple Combinations of Retinoic Acid, Mold Spores and Citral on the F344 Rat Lung Tissue Pathology**

**Ibrahim O. Farah, Carlene Holt-Gray, Joseph A. Cameron, Michelle Tucci, Zelma Cason and Hamed Benghuzzi**

Department of Biology, Jackson State University, Jackson, MS 39217, and the University of Mississippi Medical Center

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**PB - 09**      **The Study of *Pseudomonas* Racemases for the Drug Design and Bioremediation Purposes**

**Hung-Chung Huang<sup>1,2</sup>, Ansley Scott<sup>2</sup> and Paul B. Tchounwou<sup>1,2</sup>**

<sup>1</sup>NIH/NIMHD RCMI Center for Environmental Health, College of Science, Engineering, and Technology (CSET), Jackson State University, Jackson, MS 39217, USA

<sup>2</sup>Department of Biology, CSET, Jackson State University, Jackson, MS 39217, USA

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**PB - 10**      **Quantitative Risk Assessment of Salmonella Resulting from Human Activities**

**Luma Akil<sup>1</sup> and Hafiz Anwar Ahmad<sup>2</sup>**

<sup>1</sup>Department Behavioral and Environmental Health, School of Public Health, Jackson State University, Jackson, MS, USA

<sup>2</sup>Department of Biology/Environmental Science, Jackson State University, Jackson, Mississippi, USA

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**PB - 11**      **Exploring Diverse Chemical Space for New Antitrypanosomal Agents**

**Ifedayo Victor Ogungbe, Simira Carothers, Huaisheng Zhang, Rogers Nyamwihura and Jasmine Collins**

Department of Chemistry and Biochemistry, Jackson State University, Jackson, MS, 39217, USA

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**PB - 12**      **Design and Synthesis of Spiro-Isoxazoline-Lactam as Anticancer Agents**

**Prasanta Das, Gulrukh Shaheen, Cord Carter and Ashton T. Hamme II**

Department of Chemistry & Biochemistry, Jackson State University, Jackson, MS 39217, USA

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**PB - 13**      **Colorimetric Identification of Anions with Artificial Hosts**

**Md. Alamgir Hossain, Corey R. Johnson, Afsana Jahan and Md Mhahabubur Rhaman**

Department of Chemistry, Physics and Atmospheric Sciences, Jackson State University, Jackson, MS, USA

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**PB - 14**     **Selective Separation and Determination of Methyl Mercury in Contaminated Top Soils from Oakridge Tennessee by ICPMS**

**Zikri Arslan, Iris Denmark and Fenxiang Han**

*Department of Chemistry and Geo and Physical Sciences, Jackson State University, Jackson, USA*

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**PB - 15**     **An Analysis of Factors Contributing to Toxicity of Ammonium Nitrate in Aquatic Organisms**

**Maureen Scott, Phillicia Killebrew, Larry Mattix and Justin Toxey**

*Biology Department, Norfolk State University, 700 Park Avenue Norfolk, VA 23504, USA*

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**PB - 16**     **Selective Separation and Eradication of Drug-Resistant Superbugs by using Multifunctional Fluorescent Magnetic Carbon-Dots**

**Avijit Pramanik, Stacy Jones, Carrie Sweet, Rimika Banerjee, Ashley Ignatius, Jayanti Shukla, Paresh Chandra Ray**

*Department of Chemistry, Jackson State University, Jackson, MS 39217, USA*

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**PB - 17**     **Photosensitization Ability of Thiopurine DNA Bases**

**Yazhou Zhang and Hiroyasu Tachikawa**

*Analytical Core Laboratory, RCMI-Center for Environmental Health, Jackson State University, Jackson, MS 39217, USA*

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**PB - 18**     **Analyzing the Role of Air Pollution and Meteorology on Asthma Prevalence using a Poisson Regression Model: A Case Study of Gulfport Region, Mississippi, USA**

**Amit Kr. Gorai<sup>1</sup>, Ashok Kr. Patel<sup>1</sup>, Paul B. Tchounwou<sup>2</sup> and Francis Tuluri<sup>3</sup>**

<sup>1</sup>*Department of Mining Engineering, National Institute of Technology, Rourkela, Odisha -769008, India*

<sup>2</sup>*NIH/NIMHD RCMI Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University, Jackson, MS 39217, USA*

<sup>3</sup>*Department of Industrial Systems and Technology, Jackson State University, Jackson, MS 39217, USA*

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**PB - 19**     **Toward a Theory of Health Disparities Affecting People of Sub-Saharan African Descent**

**Anthony R. Mawson**

*Department of Epidemiology and Biostatistics, School of Public Health, Jackson State University, 350 West Woodrow Wilson Avenue, Jackson, MS 39213, USA*

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**PB - 20**     **Saharan Dust Transport over Atlantic Ocean and Impacts on Ozone and Health Effects**

**Remata Reddy, Duanjun Lu and Meheri Fadavi**

*Department of Chemistry, Physics and Atmospheric Sciences, College of Science, Engineering and Technology, Jackson State University, 1400 J.R. Lynch Street, Jackson, MS, 39217, USA*

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**PB - 21**      **Copper Concentrations Found from Drinking Water, Soils, and Vegetables at Lugelweni, Mt Ayliff, South Africa**

**Hlalanathi Y. Gwanya and Jennifer N. Ntoni**

*Department of Biological & Environmental Sciences, Faculty of Natural Sciences, Walter Sisulu University NMD Campus, Mthatha, Eastern Cape, South Africa*

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**PB - 22**      **Rare Earth Metal Oxides: Synthesis, Characterization, and Antimicrobial Activity**

**Afef Janen<sup>1</sup>, Kuzhivelil Joseph Arun<sup>1,2</sup>, Mohan Aggarwal<sup>1</sup> and Kadiatou Keita<sup>3</sup>**

<sup>1</sup>*Department of Physics, Chemistry and Mathematics, Alabama A&M University, 4900 Meridian Street North, Normal, AL 35762, USA*

<sup>2</sup>*Department of Physics, Sree Kerala Varma College, Thrissur, Kerala 680011, India*

<sup>3</sup>*Department of Biological and Environmental Sciences, Alabama A&M University, 4900 Meridian Street North, Normal, AL 35762, USA*

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**PB - 23**      **Appraising Variations in Climate Change Parameters in the Lower West African Region**

**Edmund C. Merem<sup>1</sup>, Gary Crosby<sup>3</sup>, Yaw A. Twumasi<sup>1</sup>, Amir Atapour<sup>2</sup>, Peter Isokpehi<sup>1</sup>, Joan Wesley<sup>1</sup>, Siddig Fageir<sup>1</sup> and Gloria Hirse<sup>1</sup>**

<sup>1</sup>*Department of Urban and Regional Planning, Jackson State University, Jackson, MS 39211, USA*

<sup>2</sup>*Department of Civil Engineering, Jackson State University, Jackson, MS 39211 USA*

<sup>3</sup>*Office of VP Student Affairs, Alabama A&M University, Normal, AL 35762 USA*

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**PB - 24**      **Facilitating Human Interaction with Information Units on Arsenicals**

**Raphael D. Isokpehi<sup>1</sup>, Godwin Adu-Boateng<sup>2</sup>, Matthew N. Anyanwu<sup>3</sup>, Udensi K. Udensi<sup>4</sup>, Matilda O. Johnson<sup>5</sup>, Hector N. Torres<sup>1,6</sup> and Paul B. Tchounwou<sup>4</sup>**

<sup>1</sup>*College of Science, Engineering and Mathematics, Bethune-Cookman University, Daytona Beach, Florida 32114, USA*

<sup>2</sup>*School of Medicine, University of Mississippi Medical Center, Jackson, Mississippi 39213, USA*

<sup>3</sup>*Department of Computer Science, University of Memphis, Memphis, Tennessee 38152, USA*

<sup>4</sup>*RCMI Center for Environmental Health, Jackson State University, Jackson, Mississippi 39217, USA*

<sup>5</sup>*College of Health Sciences, Bethune-Cookman University, Daytona Beach, Florida 32114, USA*

<sup>6</sup>*College of Education, Bethune-Cookman University, Daytona Beach, Florida 32114, USA*

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**PB - 25**      ***Azadirachta indica* Ameliorates Ischemia/Reperfusion- and Hypertension-Induced Cardio-Renal dysfunctions Mediated by Oxidative Stress**

**MA Yakubu<sup>1</sup>, TO Omobowale<sup>2</sup>, AA Oyagbemi<sup>3</sup> and AA Adedapo<sup>3</sup>**

<sup>1</sup>*Department of Environmental and Interdisciplinary Sciences, College of Science, Engineering and Technology, Texas Southern University, Houston, TX 77074, US*

<sup>2</sup>*Department of Veterinary Medicine, <sup>3</sup>Department of Veterinary Physiology, Biochemistry and Pharmacology, Faculty of Veterinary Medicine, University of Ibadan, Nigeria*

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**PB - 26 Bioaccumulation of Some Heavy Metals in *Oreochromis niloticus* and *Clarias gariepinus* Relevant to their Concentrations in Water and Sediment of the Ojirami Reservoir, Edo State, Nigeria**

**Edward E. Izevbigie<sup>1</sup>, Ernest B. Izevbigie<sup>2</sup> and L. A. Elakhame<sup>1</sup>**

<sup>1</sup>*Department of Zoology, Faculty of Natural Science, Ambrose Alli University, Ekpoma, Edo State, Nigeria*

<sup>2</sup>*Molecular and Cellular Signaling Laboratories, Faculty of Basic and Applied Sciences, Department of Basic Science, Biochemistry Unit. Benson Idahosa University, 1 University Way, Benin City, Nigeria*

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**PB - 27 Introduction of Pipeline Safety and Mississippi 811 System**

**Pao-Chiang Yuan and Michael Stevenson**

*Hazardous Material Management / Emergency Management Technology Program, College of Science and Technology, Jackson State University, 1400 Lynch Street, P.O. Box 18480, Jackson, Mississippi, USA*

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**PB - 28 A Study of the Relationships of Dietary, Physical Activity, Exercise Knowledge and Self-Rated Health among College Students in Taiwan**

**Huey-hong Hsieh**

*Taiwan Shoufu University, Tainan, 721, Taiwan*

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**PB - 29 Homo- and Heteroanionic Inorganic Solids: An Important Building Block of Current Technology**

**Saiful M. Islam<sup>1,2</sup>, Jing Zhao<sup>2</sup>, Yihui He<sup>2</sup>, Debajit Sarma<sup>2</sup>, Shulan Ma<sup>2</sup> and Mercouri G. Kanatzidis<sup>2</sup>**

<sup>1</sup>*Department of Chemistry, Physics, and Atmospheric Sciences, Jackson State University, 1400 J. R. Lynch Street, Jackson, MS 39217, USA*

<sup>2</sup>*Department of Chemistry, Northwestern University, 2145 Sheridan Rd, Evanston, IL 60208, USA*

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**PB - 30 Characterizing Wetland Land Use/ Land Cover Change Using Medium Resolution Remote Sensing Data: Case Study from Grand Bay National Estuarine Research Reserve of Mississippi, USA**

**Ranjani W. Kulawardhana<sup>1</sup>, Taimei T. Harris<sup>1</sup>, Eric M. Gulledge<sup>1</sup>, Fengxian X. Han<sup>2</sup> and Paul B. Tchounwou<sup>1</sup>**

<sup>1</sup>*Department of Biology, Jackson State University, Jackson, MS 39217, USA*

<sup>2</sup>*Department of Chemistry, Jackson State University, Jackson, MS 39217, USA*

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**PB - 31 State of Mississippi Child Food Insecurity Map Development**

**Masoumeh Karimi<sup>1</sup> and Amir Atapour<sup>2</sup>**

<sup>1</sup>*Department of Epidemiology and Biostatistics, School of Public Health, Jackson State University, Jackson, MS, USA*

<sup>2</sup>*Department of Civil Engineering, College of Science, Engineering and Technology, Jackson State University, Jackson, MS, USA*

**PB - 32 Heavy Metal Exposure and Transposable Element Mediated Damage**

**Astrid M. Roy-Engel, Madeline Sell, Rebecca S. Derbes, Geraldine Servant and Maria E. Morales**

*Epidemiology Department and Tulane Cancer Center, Tulane University, New Orleans, LA, USA*

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**PB - 33 Military Global Health Engagement and Low Dose Ionizing Radiation: Improving Risk Management**

**Alexandra C. Miller<sup>1,2</sup>, John Gilstad<sup>3</sup> and David Brenner<sup>2</sup>**

<sup>1</sup>*Science Research Department, Armed Forces Radiobiology Research Institute (AFRRI), Uniformed Services University of the Health Sciences, 8901 Wisconsin Ave. Bethesda, MD 20889, USA*

<sup>2</sup>*Center for Radiological Research, Columbia University Medical Center, Columbia University 630 West 168th Street New York, NY 10032, USA*

<sup>3</sup>*Military Medical Operations, AFRRI, USUHS, Bethesda, MD 20889, USA*

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**PB - 34 Toxicological Effects of Graphene Oxides to *E. coli* Bacteria**

**Thabitha P Shareena Dasari and Paul B. Tchounwou**

*Molecular Toxicology Research Laboratory, NIH-Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University, 1400 Lynch Street, P.O. Box 18540, Jackson, Mississippi, USA*

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**PB - 35 Design and Synthesis of Spiro-Isoxazoline-Thioethers and Thiolactols for Biological Activity**

**Ashton T. Hamme II, Prasanta Das, Myles Spillers and Micah Robinson**

*Department of Chemistry & Biochemistry, Jackson State University, Jackson, MS 39217, USA*

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**PB - 36 Sustainable Development Goals: Will they Ensure Universal Health Coverage In Low and Medium-Income Countries, to Achieve Global Health?**

**Stella Anyangwe**

*Health Policy and Management Track, School of Health Systems and Public Health, Faculty of Health Sciences, University of Pretoria, Private Bag x20, Hatfield, Pretoria 0028, Republic of South Africa.*

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