

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

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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>**

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

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

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

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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**

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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>**

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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**

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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>**

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

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

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

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

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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**

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

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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**

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

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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>**

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

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

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

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

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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>**

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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>4</sup>, Hector N. Torres<sup>1,6</sup> and Paul B. Tchounwou<sup>4</sup>**

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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>**

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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>**

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

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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**

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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>**

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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**

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

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

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

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

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

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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?**

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