

PB - 01 **Effect of Lead Levels in Breast Milk on the Estimated Infant Daily Intake of Lead**

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PB - 02 **Arsenic Exposure Assessment of Children Living in a Lead Mining Area in Southeastern Brazil**

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PB - 03 **Toxicology of Dietary Supplements: A Case Study**

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PB - 04 **Role of Retinoids and Citral in Modulating Metabolic Stability, Cell Cycle Distribution/Progression and Viability of the A549 Cell Line Model**

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PB - 05 **Selective Activation of MMP-2 and MMP-9 by Metallothionein in Prostate Cancer Cells**

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PB - 06 **Effects of Atrazine, Arsenic, Cadmium and Nitrate Mixture on Cell Cycle of Breast Cell Lines**

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PB - 07 **Study of Toxicity of Parathion and its Major Degradation Products to Human Lymphocytes and Keratinocytes**

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PB - 08 **Arsenic Trioxide-Induced Cytotoxicity and Genotoxicity in Colon Cancer Cells**

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PB - 09 **Molecular Mechanisms of Lead-Induced Toxicity and Apoptosis in Human Liver Carcinoma Cells**

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PB - 10 **Preclinical Use of Vernonia Amygdalina as DNA Damaging Anti-cancer Agent in the Management of Breast Cancer**

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PB - 11 **V. Amygdalina Extracts Inhibit the Growth of Multiple Tumoral Cell Growth in Xenograft Mouse Models**

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PB - 12 **Fortification Protocol for Vernonia Amygdalina Extracts Anti-Cancer Activity**

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PB - 13 **Effects of Vernonia Amygdalina Extract and Taxol on Cytosolic Glutathione S-Transferase Activity in MCF-7 Cells**

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PB - 14 **Multiple Genome Analysis of Universal Stress Proteins Reveals Functional Coupling to Cation Transport in Energy-Producing Rhodospirillum Rubrum**

Raphael D. Isokpehi, **Shaneka S. Simmons** and **Hari H.P. Cohly**

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PB - 15 **Extracting Mammalian Aquaporin Compartmentalization from Biomedical Text**

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PB - 16 **Integrative Text Mining And Gene Information Analyses to Uncover Genes Predisposing Co-Morbidity of Bipolar Disorder and Substance Abuse in African-American Women**

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PB - 17 **Potential Role of Cation-Aquaporin Interactions in Autism**

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PB - 18 **Importance of Signal Sorting of Aquaporins in the Kidney**

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PB - 19 **Consequences of Altered Expression of Gaba Receptors during Neural Embryonic Development in Response to Low Levels of Mercury**

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PB - 20 **Effects of Exposure to Low Concentrations of Mercury on Glycine-Alpha-3, -6 Gaba –a Chloride and Glutamate –Gated Channel Receptors in HepG₂ Cell Lines in Culture**

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PB – 21 **Study of Uterine Cell Proliferation in Female Nulliparous Mice With an over Expression of Progesterone Receptor B**

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PB - 22 **Cytogenetic Evaluation Of Carbon Nanotube Toxicity In Bone Marrow Of Swiss-Webster Mice**

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PB - 23 **Potassium Dichromate Induced Cytotoxicity, Genotoxicity and Oxidative Stress in Human Liver Carcinoma (HepG₂) Cells**

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PB - 24 **Gold Nanoparticle Based NSET for Selective Sensing of Hepatitis C virus RNA**

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PB - 25 **Stability And Bioaccumulation Pattern Of Cdse Nanoparticles**

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PB - 26 **Gold Nanorod Based Sensing of Sequence Specific HIV-1 Virus DNA using Hyper Rayleigh Scattering Spectroscopy**

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PB - 27 **Time Dependent SERS Study on Gold and Silver Nanoparticle**

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PB - 28 **OxoVanadium(IV) Complexes of Symmetrical Schiff Bases as Possible Insulin Enhancers**

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PB - 29 **Gold Nanoparticle - Enhanced CE-CL Bioassays**

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PB - 30 **Singlet Oxygen Production from Recovable Tio₂-Tcpp Nanocomposite**

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PB - 31 **Formation of Singlet Oxygen from Sio₂-Tmppy Adduct Nanoparticles**

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PB - 32 **Phototoxicity of Phenylenediamine-Associated Hair Dye Chemicals in *Salmonella Typhimurium* Ta102 and Hacat Keratinocytes**

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PB - 33 **Recycling Waste Vegetable Oils**

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PB - 34 **Hydrogen Chemisorptions on the External Surface of Single-Walled Carbon Nanotubes: Toward Hydrogen Storage and Sensors**

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PB - 35 **Evaluation of the Effect of Ecologic on Root Knot Nematode, *Meloidogyne Incognita*, and Tomato Plant, *Lycopersicon Esculentum***

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PB - 37 **Comparative Environmental Health Study: Long Island Coastal Pine Barren Ponds, NY**

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PB - 38 **Health Risks after the Hurricane and Storm: Molds**

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Yih-Jin Tsai¹, Pao-Chiang Yuan² and Hung-Bin Lai¹
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²Department of Technology, Jackson State University, 1400 Lynch Street, P.O. Box 18480, Jackson, Mississippi, USA
- PB - 40** **[The Importance of the Explicit Moisture Processes of the Simulation of Atlantic Hurricanes using a High Resolution AWR Model](#)**
Dasary Hari Prasad¹, Yerramilli Anjaneyulu¹, Venkata Srinivas Challa¹, Julius M. Baham¹, Chuck C. Patrick¹, John H. Young¹, Robert L. Hughes¹ and Shelton Swanier²
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- PB - 41** **[Effects of Cadmium and Lead at Sub-Acute Concentrations upon the Natural Microbial Communities](#)**
Dmitri Sobolev
Jackson State University, Jackson, Mississippi 39217, USA
- PB - 42** **[Mass Spectroscopic Analysis of *Shewanella spp.* Proteome using LC-MS/MS following Typsin Digestion of Isolated Subcellular Protein Fractionations](#)**
Barbara A. Wilson, Kristen Wells, Kelly Dunlap and Jeffrey Rogers
Department of Biology, College of Science, Engineering & Technology, Jackson State University, P.O. Box 18540, 1400 J.R. Lynch Street, Jackson, Mississippi 39217, USA
- PB - 43** **[Assessment of the Efficacy of Chelate-Assisted Phytoextraction on Lead Uptake and Biomass at Various Times after Emergence of *Sesbania exaltata*](#)**
Gloria Miller, Gregorio Begonia, Maria Begonia and Jennifer Ntoni
Plant Physiology/Microbiology Laboratory, Department of Biology, P.O. Box 18540, College of Science, Engineering and Technology, Jackson State University, 1400 J. R. Lynch Street, Jackson, MS 39217, USA
- PB - 44** **[Bioavailability and Uptake of Lead by *Sesbania exaltata*](#)**
Gloria Miller, Gregorio Begonia, Maria Begonia and Jennifer Ntoni
Plant Physiology/Microbiology Laboratory, Department of Biology, P.O. Box 18540, College of Science, Engineering and Technology, Jackson State University, 1400 J. R. Lynch Street, Jackson, MS 39217 USA
- PB - 45** **[Effects of Lead and Plant Growth on Soil Microbial Community Structure](#)**
Maria T. Begonia, Dmitri Sobolev, Jennifer Ntoni, Miriam Igboavodha and Gregorio B. Begonia
Department of Biology, P.O. Box 18540, College of Science, Engineering and Technology, Jackson State University, Jackson, MS 39217, USA
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- PB - 46** **[Theoretical and Experimental Studies towards the Synthesis of Potential Estrogen Mimics](#)**
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- PB - 47** **[Molecular Engineering of Steroidogenesis Inducing Protein-like Protein](#)**
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Center for Cancer Research and Therapeutic Development, Clark Atlanta University, Atlanta, GA, USA
- PB - 48** **[A New Polymic Ligand as Absorbent for Removal of Heavy Metals from Aqueous Media](#)**
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Department of Chemistry, Clark Atlanta University, Atlanta, GA 30134
- PB - 49** **[A Salicylaldehyde-Containing Polymer as Absorbent for Removal of Lead from Aqueous Media-Kinetics and Dynamic Column Studies](#)**
Prince Addy Amoyaw, Conrad Ingram and Xiu R. Bu
Department of Chemistry, Clark Atlanta University, Atlanta, GA 30134
- PB - 50** **[Sawdust for Absorption of Ppb-Level of Heavy Metals from Water](#)**
Prince Addy Amoyaw, Conrad Ingram, Paul Abraham and Xiu R. Bu
Department of Chemistry, Clark Atlanta University, Atlanta, GA 30134, USA
- PB - 51** **[A Post Hoc Method to Compute Multiplicity Corrected Confidence Intervals for Odds Ratios and other Relative Effect Estimates](#)**
Jimmy T. Efird
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- PB - 52** **[New Methodologies for Egg Production Modeling](#)**
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- PB - 53** **[Renal Function Risk Assessment in Cameroonian Welders Occupationally Exposed to Welding Fumes](#)**
Wadaka Mamaï, Tchana N. Angèle and Moundipa F. Paul
Laboratory of Molecular Toxicology and Pharmacology, Department of Biochemistry, University of Yaoundé I, Cameroon
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- PB - 54** **Environmental Modeling and Prediction for Climate and Seasonal Flutuations over the Grand Bay Area**
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- PB - 55** **Recycling of Rice Mill Wastes in Nigeria**
U. K. Udensi, I. Y. Akanmu and M. K. C. Sridhar
Division of Environmental Health, Faculty of Public Health, University of Ibadan, Ibadan, Nigeria
- PB - 56** **Preparation of Magnetic FE_3O_4 Nanoparticles Mesoporous Silica Spheres and the Application in Drug Targeting**
Ximing Guo and Chang Wen Gao
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- PB - 57** **Modeling of Surface, Subsurface and Groundwater Runoffs**
Shin-jen Cheng and Yi-jie Bi
Department of Environment and Resources Engineering, Diwan University, 87-1, Nan-shih Li, Madou, 721, Tainan, Taiwan, ROC
- PB - 58** **A Method to Evaluate the Hydraulic Conductivity, Effective Porosity and Dead Pore Porosity for Some Saturated Clays**
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Department of Environment and Resources Engineering, Diwan College of Management, No.87-1, Nanshih Li, Madou, Tainan, 72153, Taiwan
- PB - 59** **Assessment of the River Water Quality in Taiwan using a Multivariate Statistical Technique**
Cheng-Feng Lee
Department of Environment and Resources Engineering, Diwan University, 87-1, Nanshih Li, Madou, Tainan 721, Taiwan, ROC
- PB - 60** **Spatial and Temporal Characteristics of Air Quality in Taiwan**
Huey-Hong Hsieh, Cheng-Feng Lee, Shih-Jen Cheng and Hsin-Yuen FU
Department of Environment and Resources Engineering, Diwan University, No. 87-1, Nan-shih Li, Madou, 721, Taiwan
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PB - 61 **Evaluation of Alternative Treatment Technologies for TFT-LCD Wastewaters**

Jason J. Huang

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PB - 62 **Corrosion of Different Materials in Combustion Chamber of Yellow Phosphorus Tail Gas in Industrial Boiler**

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