

O – 01 Insoluble Nickel Compounds Induce Global Disruption of Gene Expression, Increased Levels and Altered Distribution of Microfilaments and Microtubules, and Morphological and Neoplastic Transformation of C3H/10T1/2 Mouse Embryo Cells

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O – 02 Effects of Combinations of Fusarium Toxins on Cellular and Molecular Targets in Vitro and In Vivo

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O – 03 Specific Immunological & Biochemical Markers in Oral Carcinogenesis

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O – 04 Sustainable Science: A New Frontier of Global Environmental Public Health

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O – 05 Genotoxic Effects in Children Exposed to Polynuclear Aromatic Hydrocarbons (PAH's) in the Atmosphere of Tabasco, Mexico

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O – 06 Environmental Chemical Contamination of Foods in the Sub-Saharan Africa: Implication for Carcinogenesis and Chemopreventive Intervention Strategies

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O – 07 Strategies for Addressing Environmental Health Needs and Disease Outcomes

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O – 08 Microstructures and Nanostructures for Environmental Carbon Nanotubes and Nanoparticulate Soots

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O – 09 Nano-Silver and the Environment: A Preliminary Terrestrial Ecotoxicity Test

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O – 10 In Vitro Evaluation of Cytotoxicity of Engineered Metal Oxide Nanoparticles and Carbon Nanotubes

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O – 11 Multiwalled Carbon Nanotube-Induced Hepatotoxicity in Swiss-Webster Mice

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O – 12 Potential Indication of Chemically-Induced Cytotoxicity Using Cyanine Sensors

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O – 15 Theoretical Modeling of Gold-DNA Interface

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O – 18 The Genotypic Influence on Cancer Phenotype

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O – 28 Medical Geology: Mineralized Environmental Dust and its Implications to Human Health

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O – 30 Arsenic Microdistribution and Speciation in Toenail Clippings from Children in the Goldfields Region, Victoria, Australia

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O – 31 Characterization of Heavy Metal and Microbial Activity in Soils Receiving Different Wastewater Irrigation Applications and the Potential Health Risk

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O – 32 Changes in Phytochelatin Levels at Various Growth Stages of Wheat (*Triticum Aestivum* L.): Effects on Cadmium Tolerance and Bioaccumulation

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- O – 34** [**Nanomaterials for Environmental Toxin Detection: Promises and Challenges**](#)
Paresh Chandra Ray, Jelani Griffin, Oleg Tovmachenko, Dulal Senapati, Uma Shanker Rai, Anant K Singh, and William Hardy
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- O – 35** [**Using Spatial Information Technologies as Monitoring Devices in International Watershed Conservation along the Senegal River Basin of West Africa**](#)
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- O – 36** [**Analysis of Atmospheric Boundary Layer Characteristics of Mississippi Gulfport for Predictive Modelling using WRF for Air Pollution Dispersion and Air Quality Assessment**](#)
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- O – 37** [**A Novel Method to Control Workplace Anthropogenic Pollutant Particles**](#)
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- O – 38** [**The Relationship Between Type 2 Diabetes and Obesity in African American: Jackson Heart Study- A Quest for a Joint Index \(Body Mass Index and Waist Circumference\)**](#)
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- O – 39** [**Current Status of HIV/AIDS in Cameroon: How Effective are Control Strategies?**](#)
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- O – 41** [**Effect of Environmental Factors on Persons Living with HIV/AIDS**](#)
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- O – 42** [**Environmental Disparities in Post-Katrina New Orleans: From Use-Inspired Research to Community Action**](#)
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- O – 43** [**Differential Expression of CYP1A1 and CYP1B1 in Human Mammary Epithelial Cells from Pre-Menopausal African American and Caucasian Women in Response to Dioxin and Benzo\[a\] Pyrene**](#)
Andria Humphrey, Gennifer Goode, Petra Prins and Sakina Eltom
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- O – 44** [**Banana Resistant Starch Increases Insulin Sensitivity in Obese Non-Diabetic Women**](#)
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- O – 45** [**Adverse Effects of a Clinically Relevant Dose of Hydroxyurea used for the Treatment of Sickle Cell Disease on Male Fertility Endpoints**](#)
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