

**PRESENTATIONS & PUBLISHED ABSTRACTS**  
**(Reversed Chronology)**

560. Tsabang N, Yedjou CG, Tedjou AN, Fongnzossie EF, Jiofack RB, Sonwa D and **Tchounwou PB**. Impacts of Biodiversity Erosion and Climate Changes on the Botanical and Zoological Potential of Ecosystems in Cameroon. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

559. Tsabang N, Yedjou CG, Tchokouaha LRY, Tarkang PA and **Tchounwou PB**. Use of Calculated Indexes for Prioritization of Important Medicinal Plants used in the preparation of Improved Traditional Medicine (ITM). Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

558. Dugo M and **Tchounwou PB**. Comparative Toxicology of 3-Methylcholanthrene among closely Related Fundulid Killifishes, (Cyprinodontiformes: Fundulidae). Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

557. Lackey H, McComb J and **Tchounwou PB**. A Preliminary Analysis of Water Quality on the Ross Barnett Reservoir. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

556. Yedjou CG, Tchounwou HM and **Tchounwou PB**. DNA Damage, Apoptosis Induction, and Cell Cycle Arrest caused by Lead in Leukemic Cells. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

555. Venkatramreddy V, Dasari S and **Tchounwou PB**. Low Dose Cisplatin Induced Gene Alterations, Cell Cycle Arrest and Apoptosis in Human Promyelocytic Leukemia Cells. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

554. Johnson W, Yedjou CG and **Tchounwou PB**. The Molecular Mechanisms of *Vernonia amygdalina*-Induced Toxicity in Prostate Adenocarcinoma Cells. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

553. Udensi UK, Yedjou CG and **Tchounwou PB**. A Novel Plant Extract with Promising Anti Prostate Cancer Activity. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

552. Udensi UK, Isokpehi RD and **Tchounwou PB**. Perturbation of Circulating Micro-RNAs as Novel Biomarkers of Acute Exposure of Arsenic on Human Skin. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

551. Kirui PK, Yedjou CG, Isokpehi RD and **Tchounwou PB**. Effects of Aflatoxins Adulteration on Food Safety and Human Health in Kenya. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

550. Perlote TC, Han FX and **Tchounwou PB**. Bioaccumulation of Heavy Metals in *Crassostrea virginica* in the Gulf of Mexico. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

549. Gulledge EM, Kulawardhana RW, Harris TT, Johnson TK, Han FX and **Tchounwou PB**. Wetland Land-Use/Land-Cover (LULC) Changes in the Grand Bay National Estuarine Research Reserve (NERR), Mississippi, USA: Remote Sensing Based Approach Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

548. Harris TT, Kulawardhana RW, Gulledge EM, Han FX and **Tchounwou PB**. Vegetation Characteristics and Carbon Storage Ability of Estuarine Wetland Ecosystems of Mississippi: A Case Study from the Grand Bay National Estuarine Research Reserve (NERR). Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

547. McComb JQ, Han FX Rogers CS and **Tchounwou PB**. Assessment and Spatial Variation Analysis of Strontium in the Brackish Waters of Grand Bay National Estuarine Research Reserve. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

546. Smith-McInnis DR, Simmons SS, **Tchounwou PB** and Isokpehi RD. Gene Networks Encoding Universal Stress Proteins in *Brucella* Genomes. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

545. Patlolla AK, Rondalgh J and **Tchounwou PB**. Toxicity Evaluation of Graphene Oxide in Two Different Biological Systems. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

544. Rogers C, Patlolla A and **Tchounwou PB**. An *In Vitro* Assessment of Engineered Gold Nanoparticles Using a Human Renal Cells Line: Cytotoxicity, Oxidative Stress and Genotoxicity. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental

Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

543. Dasari SR, Velma V, Yedjou CG and **Tchounwou PB**. Preclinical Assessment of Prolonged Low Doses of Cisplatin in the Management of Acute Promyelocytic Leukemia. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

542. Hollman AL, Huang HC, Isokphehi RD and **Tchounwou PB**. Comparative Analysis of Glutathione S-Transferase PI 1 (GSTP1) Related SNPs Caused by Environmental Hazards. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

541. Williams-Smith C, Dasari S, Yedjou CG, Udensi UK and **Tchounwou PB**. Targeting Triple Negative Breast Cancer Cells with Medicinal Plant Extract. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

540. Deer EM, Howard CB and **Tchounwou PB**. Inhibition of Adipocyte Proliferation by *Vernonia amygdalina* Extract. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

539. Mosley A, Fountain M, Yedjou CG and **Tchounwou PB**. Extract of a Natural Product: A New Promising Candidate for Cancer Drug Discovery. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

538. McDowell J, Yedjou CG and **Tchounwou PB**. Assessment of Oxidative Stress and Apoptotic Mechanisms of *Vernonia amygdalina* in the Prevention of Acute Promyelocytic Leukemia. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

537. Shivers M, Yedjou CG, Ndebele K and **Tchounwou PB**. Medicinal Properties of *Vernonia amygdalina* in the Treatment of Glioblastoma Brain Tumor. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

536. Fonseca DG, Yedjou CG, Udensi UK, **Tchounwou PB** and Alo R. Plant-Derived Natural Products as Potential Anticancer Drug against Prostate Cancer. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

535. Mbemi AT, Yedjou CG, Ogungbe VI, Miele L, Payton M and **Tchounwou PB**. Extract of Natural Medicinal Plant as New Potential Chemotherapy Agent for Ovarian Cancer Treatment: Preclinical Studies. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

534. Reddy R, Tuluri F, Fadavi M, Walters W and **Tchounwou PB**. Simulation and Prediction of Hurricane Lili during Landfall over the Central Gulf States using MM5 Modeling System. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

533. Gorai AK, **Tchounwou PB** and Tuluri F. Association between of Ambient Air Pollution and Asthma Prevalence in Different Population Groups Residing in Eastern Texas. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

532. Kumar S and **Tchounwou PB**. Arsenic Trioxide Causes Cell Death through Disruption of MDM2-DAXX-HAUSP Complex and Increased Promyelocytes Formation in Mouse Model of Acute Promyelocytic Leukemia Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

531. McComb JQ, Gullledge E, Alexander T, Harris T, Han FX, Rogers C, and **Tchounwou PB**. Biogeochemistry of Trace Elements, Heavy Metals, Phosphorus and Carbon in the Grand Bay National Estuarine Reserve in the Northern Gulf of Mexico. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

530. Cameron K, **Tchounwou PB** and Izevbigie EB. edotide Plus TM: Potential Use for Prophylaxis and/or Treatment for Cancer/Diabetes. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

529. Tsabang N, Yedjou CG, Fongnzossié EF, Jiofack RB, Sonwa D, Dongmo AB, Nguenefack BT, Zambou F and **Tchounwou PB**. Ethnomedical and Ethnopharmacological Study of Plants Used by Indigenous People of Cameroon in the Treatment of Diabetes and its Signs, Symptoms and Complications. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

528. Kulawardhana RW, **Tchounwou PB**, Gullledge EW, Harris TT, Mbemi A, McDowell J and McDowell R. Geospatial Analytical Techniques for the Study of Changing Ecosystems and their Effects on Ecosystem Health, Conditions and Human Health. Paper presented at the Twelfth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2015.

527. **Tchounwou PB**, Kumar S and Yedjou CG. Trisenox Oxidation Stress and Apoptosis in HL-60 Cells. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

526. Stevens JJ, Sumner BK, Brown ET, Graham B, Ndebele K and **Tchounwou PB**. ATO

Potentiates Caspase-Induced Apoptosis in Colon Cancer Cells. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

525. Brown ET, Yedjou CG and **Tchounwou PB**. Role of Oxidative Stress in Arsenic-Induced Apoptosis to Human Hepatocellular Carcinoma (HePG<sub>2</sub>) Cells. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

524. Kumar S, Yedjou CG and **Tchounwou PB**. Trisenox Cell Cycle Arrest, MAPK Signaling and Apoptosis in HL-60 Cells. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

523. Rogers CS, Patlolla A and **Tchounwou PB**. Cytotoxic and Genotoxic Effects of Gold Nanoparticles on HK-2 Cells. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

522. Chang SP, Partlow KR, Estape ES, **Tchounwou PB** and Aldaoud O. Research Centers in Minority Institutions Translational Research Network (RTRN): Inter-Institutional Mentoring Incentives Survey. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

521. Udensi UK, Isokpehi RD, Tackett AJ and **Tchounwou PB**. Arsenic Alters Iron Uptake in Human Skin Keratinocyte. Paper presented at the 2014 Minority Health and Health Disparities Grantees' Conference, National Harbor, MS, December 1-3, 2014.

520. Harris TT, Han FX and **Tchounwou PB**. Wetland Biomass Carbon in the Grand Bay National Estuary Reserve, Its Contribution to Soil Carbon Sink, and Potential Mitigation to the Global Warming. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

519. Gullledge EM, Han FX and **Tchounwou PB**. Terrestrial Carbon Pool, Storage and Carbon Characterization in the Grand Bay National Estuary Reserve of the Gulf of Mexico. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

518. Wells P, Graham B, Ndebele K and **Tchounwou PB**. Arsenic Trioxide Induces Changes in Induced Pluripotent Stem Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

517. Deer E, Howard CB and **Tchounwou PB**. Inhibition of Adipocyte Proliferation by *Vernonia amygdalina* extract. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in

Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

516. Cox T, Yedjou CG and **Tchounwou PB**. Arsenic Trioxide-Mediated Cell Death through DNA Damage in Human Leukemia Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

515. Alexis Sanders A, Yedjou CG and **Tchounwou PB**. *Vernonia amygdalina* (V. Amygdalina): Therapeutic Food for Cancer Therapy. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

514. Kethireddy SR, **Tchounwou PB**, Young JH, Luvall JC, Al-Hamdan MZ, Tuluri F and Ahmad HA. Asthmatics and Spatial Analytics – A Robust Opportunity for Understanding and Transforming the Lives. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

513. Dugo MA and **Tchounwou PB**. Fundulus as a Phylogenetic Model for Ecological Risk Assessments: Increasing Ecological Relevance and Reducing Uncertainty. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

512. Smith-McInnis DR, Simmons SS, **Tchounwou PB** and Isokpehi RD. Gene Networks Encoding Universal Stress Proteins in *Brucella* Genomes. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

511. Patlolla AK, Epting T, Thrasher L and **Tchounwou PB**. PEG-Coated Gold Nanoparticles Induced Cytotoxic and Genotoxic Effects in HK-2 Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

510. Patlolla AK, Desma K and **Tchounwou PB**. Biochemical Analysis of Certain Liver Enzymes in Sprague Dawley Rats Exposed to Graphene Oxide. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

509. Dasari S, Yedjou C and **Tchounwou PB**. Therapy Efficacy of Cisplatin for Acute

Promyelocytic Leukemia Treatment. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

508. Bibbs S, Yedjou CG and **Tchounwou PB**. Lead Nitrate-Induced Signs of Apoptosis in Human Leukemia (HL-60) Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

507. Lockett D, Yedjou CG and **Tchounwou PB**. Garlic Extract: Ancient Therapeutic Food for Leukemia Therapy. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

506. McDowell J, Yedjou C, Kafoury R and **Tchounwou PB**. Medicinal Properties of *Vernonia Amygdalina* in the Treatment of Acute Promyelocytic Leukemia. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

505. McCullum C, **Tchounwou PB**, Shi HL, Liao X and Liu YM. Extraction of Aflatoxins from Liquid Foodstuff Samples with Polydopamine Coated Superparamagnetic Nanoparticles for HPLC-MS/MS Analysis. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

504. McComb JQ, Fengxiang Han FX, Rogers C and **Tchounwou PB**. Assessment and Spatial Variation Analysis of Water Quality in Grand Bay National Estuarine Research Reserve. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

503. Rogers C, Patlolla A and **Tchounwou PB**. Cytotoxic and Genotoxic Effects of PEG Coated and Non-Coated Gold Nanoparticles on Human Kidney Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

502. Walker AG, Ndebele K, Graham B and **Tchounwou PB**. Correlation of Phthalate Metabolite, Monoethylhexyl (MEHP) and Legumain Gene Expression in Pancreatic Cancer. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

501. McComb JQ, Han FX, Christian Rogers C, Thomas C, Arslan Z, Ardeshir A and **Tchounwou PB**. Biogeochemical Processes Controlling Trace Elements and Heavy Metals in the Grand Bay National Estuarine Reserve in the Gulf of Mexico. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

500. Udensi UK, Isokpehi RD, Tackett AJ and **Tchounwou PB**. Identification of Differentially Abundant Proteins from Human Keratinocytes after Chronic Exposure to Arsenic Trioxide. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

499. Kumar S and **Tchounwou PB**. Cisplatin Induces Oxidative Stress and Cytotoxicity, and Modulates Stress Signaling in Human Leukemia (HL-60) Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

498. Dugo EB, Yedjou CG and **Tchounwou PB**. Modulation of Apoptosis by Oxidative Stress in Arsenic-Treated Human Hepatocellular Carcinoma (HEPG<sub>2</sub>) Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

497. Gorai AK, Tuluri F and **Tchounwou PB**. Assessment of Air Pollution Exposure and its Association with Asthma: A Case Study of Texas State, USA. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

496. Patlolla AK, Hackett D and **Tchounwou PB**. Oxidative Stress-Dependent Toxicity Induced by Silver Nanoparticle in Liver of Sprague-Dawley Rats. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

495. Stevens JJ, Sumner BK, Brown ET, Graham B, Ndebele K and **Tchounwou PB**. ATO Potentiates Caspase-Induced Apoptosis in Colon Cancer Cells. Paper presented at the Eleventh International Symposium on Recent Advances in Environmental Health Research and the Thirteenth International Symposium on Metal Ions in Biology & Medicine. Jackson Convention Complex, Jackson, Mississippi. September 14-18, 2014.

494. White WB, Kafoury RM, Sarpong D, and **Tchounwou PB**. Baseline Cigarette Smoking Status



in the Jackson Heart Study Cohort. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

493. Yedjou CG and **Tchounwou PB**. Chemopreventive and Therapeutic Effects of Garlic in Human Leukemia Cells: Involvement of Oxidative Stress, Apoptosis, and Cell Cycle Arrest. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

492. Kumar S, Yedjou CG, and **Tchounwou PB**. Arsenic Trioxide Causes Cell Cycle Arrest and Induces Intrinsic Pathway of Apoptosis in Human Leukemia (HL-60) cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

491. Remata SR, Wilson C, Aggarwal V, and **Tchounwou PB**. Oil Spill, Environmental Pollution and Health Effects. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

490. McComb JQ, Han F, Rogers CS, and **Tchounwou PB**. A Rapid Analytical Approach to Screen Trace Elements and Heavy Metals in Various Environmental Samples: A Comparison of X-Ray Fluorescence with Inductively Coupled Plasma Atomic Emission Spectroscopy. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

489. Stevens JJ, Walker AM, Stringer H, Sherman F, and **Tchounwou PB**. Arsenic Trioxide Induces Apoptotic Signaling in Colon Cancer Cells (HT-29). Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

488. Tsabang N, Yedjou CG, Thiabo AT, Agbor GA, and **Tchounwou PB**. Treatment of Diabetes and Hypertension Diseases using Medicinal Plants in Cameroon. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

487. Yedjou CG, Izevbigie E, and **Tchounwou PB**. Implications of Genotoxic Damage, Gene Expression, and Apoptosis in *Vernonia amygdalina*-Treated Breast Cancer Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

486. Dugo MA, **Tchounwou PB**, Brown ET, and Faruque FS. On the Convergence of Emerging Sub-Disciplines of Environmental Science: Medical Geology and Nano Science. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

485. McComb JQ, Han F, Rogers CS, and **Tchounwou PB**. Biogeochemistry of Heavy Metals, Carbon, and Trace Elements in the Grand Bay National Estuarine Research Reserve. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

484. McCullum C, Li X, **Tchounwou PB**, and Liu Yi-M. Highly Sensitive Analysis of Aflatoxins in Aquatic Samples by HPLC-MS/MS. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

483. McCullum C, Li X, **Tchounwou PB**, and Liu Yi-M. Studying Cell Signaling by Using a Microfluidic Device Coupled with HPLC-MS/MS. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

482. Wells P, Graham B, Ndebele K, and **Tchounwou PB**. Arsenic Trioxide Induces Changes in Induced Pluripotent Stem Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

481. Kethireddy SR, **Tchounwou PB**, Luvall JC, Al-Hamdan M, and Young JH. Spatial Mapping of Asthma Hospitalizations in Relation to Particulate Pollution- A GIS Based Decision Support for Health Administration Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

480. Patlolla AK, Moore T, and **Tchounwou PB**. Oxidative Stress Induced by Different Diameter Size Silver Nanoparticles in Sprague-Dawley Rats. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

479. Dasari SR and **Tchounwou PB**. Construction of Hsf2 Mammalian Expression System, and Evaluation of Effect of Hsp90 Inhibitor 17aag in Tumor Cell Cytoskeleton. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

478. Sims J, Ndebele K, Graham B, and **Tchounwou PB**. Di- (2-Ethylhexyl) Phthalate (DEHP) Induces Invasion, Migration, and Anchorage Independent Growth through Up Regulation of S100p Signaling Pathways. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

477. Saddler KL, Ndebele K, **Tchounwou PB**, and Graham B. *In Vitro* Cytotoxicity Assessment of Silver Nanoparticles Using Human Liver Carcinoma Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex,

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476. Brown KG, Ndebele K, Graham B, and **Tchounwou PB**. Characterization of Nickel-Induced Immunological Dysfunction in SW1573 Alveolar Carcinoma Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

475. Patterson C, Ndebele K, Graham B, and **Tchounwou PB**. Di (N-Pentyl) Phthalate (DNPP, DPEP) Induces Epithelial Mesenchymal Transition (EMT) and Anti-Androgenic Activity through the Down Regulation of Tmprss4 Mediated Pathways in Pancreatic Cancer Cell Lines. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

474. Walker A, Ndebele K, Graham B, and **Tchounwou PB**. Correlation of Phthalate Metabolite, Monoethylhexyl (Mehp) and Legumain Gene Expression in Pancreatic Cancer. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

473. Robinson L, Yedjou CG, Izevbigie E, and **Tchounwou PB**. Toxicity and Gene Expression Assessments in *Vernonia amygdalina* -Treated Breast Cancer Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

472. McKinney T, Yedjou CG, and **Tchounwou PB**. Novel Approach to Detect Viable and Necrotic Dead Cells after Lead Nitrate Exposure. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

471. Bibbs S, Lowe T, Yedjou CG, and **Tchounwou PB**. Cellular Toxicity of Lead Nitrate to Human Promyelocytic Leukemia (HL-60) Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

470. Luckett D, Bennett J, Yedjou CG, and **Tchounwou PB**. Garlic *Treatment-Induced Growth Arrest And Cell Death of Human Leukemia (HL-60) Cells*. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

469. Nelson I, Agusiegbe C, Yedjou CG, and **Tchounwou PB**. Novel-Natural Product Induced Cytotoxic Damage and Activation of Caspase-3 in Human Leukemia (HL-60) Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

468. Taylor T, Burrow T, Yedjou CG, and **Tchounwou PB**. *Arsenic trioxide* Based Drug-Induced Cytotoxic Effects to Human Leukemia (HL-60) Cells. Paper presented at the Tenth International

Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

467. Cox T, Yedjou CG, and **Tchounwou PB**. *Arsenic trioxide*: A potent DNA Damaging Anticancer Drug in the Management of Acute Promyelocytic Leukemia. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

466. Rogers C, Yedjou CG, and **Tchounwou PB**. Potential Therapeutic Effects of Vitamin D<sub>3</sub> and *Arsenic trioxide* on Human Leukemia (HL-60) Cells. Paper presented at the Tenth International Symposium on Recent Advances in Environmental Health Research. Jackson Convention Complex, Jackson, Mississippi. September 15-18, 2013.

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