

❖ Name & Designation	: Dr. Muneeb U Rehman, Post Doctoral Fellow
❖ Address	: Dept. of Pharmaceutical Sciences, University of Kashmir, Hazratbal, Srinagar.
❖ Name of the International Conference/ Seminar/Symposium/Workshop	: 53rd Annual Meeting & Tox Expo-Society of Toxicology (SOT) 2014.
❖ Title of the abstract accepted	: Naringenin attenuates DMH-induced NF- κB and COX-2 expression in Rat Colon: Abrogation of Oxidative Stress, Inflammator Responses and Proinflammatory cytokine Production
❖ Date & Venue	: 23-27th March, 2014. Arizona, USA
❖ Money sanctioned	: Rs 99,648/-
❖ Money reimbursed	: Rs 99,648/-

Participation Report

(i) New developments presented at the conference:

53rd Annual meeting of SOT, convened on the behalf of SOT (Society of Toxicology) & IUTOX (International Union of Toxicology), witnessed more than six thousand five hundred attendees including world renowned toxicologists and Nobel Laureates who had marvelously contributed towards development of science in general and toxicology in particular to improve human health.

Major commendable developments were presented at the conference which widely covered diverse fields including Advancing clinical and translational toxicology and application of biomarkers, Enhancing strategies for risk assessment, New science and perspective surrounding environmental and occupational exposures, Safety assessment: Mechanism and novel methods, Stem cells models for integrated biology. Toxicology risk assessment and carcinogenesis, Impact of carcinogens on environment and human health, New approaches of toxicity testing and Risk assessment, Toxicological aspect of Nanoparticle, Regulatory Toxicology relating to Industry,

(ii) New development resulting from the conference (200 words):

53rd Annual meeting of SOT” featured more than a six thousand five hundred attendees including eminent scientists, clinicians, physicians and research scholars across the globe who presented their path breaking discoveries in the world of Toxicology with special focus on risk assessment, biomarkers, nano-toxicology and translational medicine. Innumerable promiscuous developments were presented at the conference which comprised wide scientific fields. In brief, new technological advances that could radically improve the field of toxicology were discussed with conspicuous work including Drug/xenobiotic metabolizing enzyme polymorphism in the clinical outcome of cancer. Frontiers of 3D-culture technologies for extrapolating toxicity *in vivo*, New approaches in immunotoxicology, Health impact from hazardous waste sites in developed and developing countries, human toxicology project consortium. Regulatory toxicology related to industry, Natural compounds as modulators of intracellular signaling pathways and oxidative stress, Rationale for use of animal toxicology data in setting up

occupational exposure of chemicals to humans, Roadmap for nano-safety- a mission impossible?, Enhancing strategies for pesticide risk assessment etc. Moreover, I got ample opportunities to interact with several prominent scientists and their valuable inputs and feedback on my research presentation will surely help me to better improve my work.

(iii) Name of the publication in case your work is recommended for publications.

NA

●. Participant's contribution to the conference (100 words):

I have presented my work entitled "**Naringenin attenuates DMH-induced NF- κ B and Cox-2 expression in rat colon: Abrogation of oxidative stress, inflammatory response and proinflammatory cytokine production**" in the poster session and spread (share) my knowledge and technique to the scientists from different developing and developed countries. I am the first author of abstract no. 813c, (displayed in poster session: Natural products *in vivo*) at the "53rd Annual meeting of SOT"