

LIST OF ARTICLES PUBLISHED IN PEER-REVIEWED INTERNATIONAL & NATIONAL EDITED BOOKS, JOURNALS & CONFERENCE PROCEEDING

(A) BOOK CHAPTERS:

- ❖ **Chakraborty T.** (2024). A Causal Link Between Obesity and the Prevalence of Obesity-Associated Cancers: A Review of the Literature on Epidemiological Studies in the Context of Global and Indian Scenario. *Contemporary Social Research: Health, Economy, Society and Environment*: pp. 1-10. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2024). ChatGPT - An AI-Assisted Chatbot Technology: Modernization and Innovation in Teaching-Learning Process and Education System. *AI & ChatGPT Tools for Teaching Learning Process*: pp. 8-18. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2024). Monoclonal Antibody-Based Immunoconjugates and Radioimmunoconjugates for the Treatment of Multiple Myeloma: Targeted Serotherapy and Radioimmunotherapy Strategies. *Recent Trends in Chemical, Agricultural, Biological, Environment and Life Science*: pp. 1-9. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2024). National Education Policy 2020: An Innovation and Holistic Approach for Quality Education in India. *NEP-2020: Current Trends and Future Prospects*: pp. 16-26. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2024). Therapeutic Gene Targeting and Molecular Gene Therapy Strategies for Human Hepatocellular Carcinoma: An Update. *Multidisciplinary Research in Arts, Science & Commerce, Vol. 3*: pp. 35-37. The Hill Publication.
- ❖ **Chakraborty T.** (2024). Skeletal Targeted Radiotherapy (STR™) : A Potential Treatment Modality for Multiple Myeloma. *Multidisciplinary Research: Emerging Themes and Perspectives*: pp. 102-108. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2024). Chemopreventive Role of Vanadium in Hepatocellular Preneoplasia. *Multidisciplinary Approach in Research Area, Vol. 13*: pp. 39-40. The Hill Publication.
- ❖ **Chakraborty T.** (2024). $1\alpha,25$ -Dihydroxyvitamin D₃-Mediated Inhibition of Hepatocellular Preneoplasia in a Chemical Carcinogenesis Model. *Recent Trends in Multidisciplinary Research, Vol. 16*: pp. 58-67. Infinity Publication, UK.
- ❖ **Chakraborty T.** (2024). Mammalian Metallothioneins: A Brief Overview. *Multidisciplinary Approach in Research Area, Vol. 16*: pp. 46-48. The Hill Publication.

- ❖ **Chakraborty T.** (2024). Targeted Immunotherapeutic Strategies for Multiple Myeloma: Anti-IL-6 And Anti-Igf-1 Monoclonal Antibody-Based Serotherapies. *Multidisciplinary Approach in Research Area*, Vol. 14: pp. 20-22. The Hill Publication.
- ❖ **Chakraborty T.** (2024). Treatments Options for Hepatocellular Carcinoma: A Mini Review. *Multidisciplinary Research in Arts, Science & Commerce*, Vol. 1: pp. 22-24. The Hill Publication.
- ❖ **Chakraborty T.** (2024). Monoclonal Antibody-Based Targeted Serotherapy Strategies as a Novel Treatment Modality for Multiple Myeloma. *Advanced Trends in Multidisciplinary Research*: pp. 8-14. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2024). HIV Epidemic in India & Prevalence of HIV and AIDS in Indian Population: Past & Present Scenario, Current Perspectives, Issues and Challenges. *Multidisciplinary Approach in Research Area*, Vol. 15: pp. 9-11. The Hill Publication.
- ❖ **Chakraborty T.** (2023). Radiotherapy Technologies and Approaches for the Treatment of Multiple Myeloma: Clinical Studies and Outcomes. *Recent Trends in Multidisciplinary Research*, Vol. 6: pp. 133-141. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2023). Placental Glutathione-S-Transferase in Hepatocellular Preneoplasia: Chemopreventive Effect of Vanadium. *Multidisciplinary Recent Trends in Research*, Vol. 5: pp. 106-111. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2023). Socio-Physiological Perspectives of HIV and AIDS : The Inductive Role of HIV Prevention Strategies and Challenges. *Multidisciplinary Approach in Arts, Science & Commerce*, Vol. 5: pp. 1-5. The Hill Publication.
- ❖ **Chakraborty T.** (2023). Vanadium - A Potential Modulator of Oxidative DNA Damage in Hepatocellularcarcinogenesis. *Biological, Agricultural & Environmental Science*: pp. 12-20. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2023). $1\alpha, 25$ -Dihydroxyvitamin D₃ in Apoptosis and Cancer Chemoprevention. *Multidisciplinary Recent Trends in Research*, Vol. 2: pp. 8-15. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2023). Antiretroviral Therapy and Medications for HIV/AIDS: An Update. *Multidisciplinary Recent Trends in Research*, Vol. 1: pp. 35-43. Red'shine Publication, Sweden.
- ❖ **Chakraborty T.** (2022). Bone-Seeking Radiopharmaceuticals: Targeted Radionuclide Therapy Strategies in Multiple Myeloma. *Contemporary Issues in Science, Computer Science, Engineering and Technology*: pp. 48-54. Red'shine Publication, Sweden.
- ❖ Chatterjee M, Manivannan R, Pande A, **Chakraborty T**, Rana A. (2010). Immunotherapeutic Strategies, Radiotherapy, and Targeted Radionuclide Therapy Approaches for the Treatment of Multiple Myeloma. *Methods of Cancer Diagnosis, Therapy and Prognosis*, Vol. 6(Part VIII): pp. 361-382. Springer, Netherlands.

(B) JOURNAL ARTICLES:

- ❖ **Chakraborty T.** (2018). 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor Suppresses *in situ* Immunoexpression of Vascular Endothelial Growth Factor in Experimental Hepatocarcinogenesis. *B. N. Seal Journal of Science* (UGC Enlistment No. 48724), **9(2)**: 1-12.
- ❖ Manna S, **Chakraborty T**, Ghosh B, Chatterjee M, Panda A, Srivastawa S, Rana A, Chatterjee M. (2008). Dietary fish oil associated with increased apoptosis and modulated expression of Bax and Bcl-2 during 7,12-dimethylbenz(α)anthracene-induced mammary carcinogenesis in rats. *Prostaglandins, Leukotrienes & Essential Fatty Acids*, **79(1-2)**: 5-14.
- ❖ **Chakraborty T**, Chatterjee A, Rana A, Rana B, Ashokkumar P, Rajkumar M, Chatterjee M. (2007). Suppression of Early Stages of Neoplastic Transformation in a Two-Stage Chemical Hepatocarcinogenesis Model: Supplementation of Vanadium, a Dietary Micronutrient Limits Cell Proliferation and Inhibits the Formations of 8-Hydroxy-2'-deoxyguanosines and DNA Strand-Breaks in the Liver of Sprague-Dawley Rats. *Nutrition and Cancer – An International Journal*, **59(2)**: 228-247.
- ❖ **Chakraborty T**, Chatterjee A, Rana A, Srivastawa S, Damodaran S, Chatterjee M. (2007). Cell proliferation and hepatocarcinogenesis in rat Initiated by Diethylnitrosamine and Promoted by Phenobarbital: Potential roles of early DNA Damage and Liver Metallothionein Expression. *Life Sciences*, **81(6)**: 489-499.
- ❖ **Chakraborty T**, Swamy AHMV, Chatterjee A, Rana B, Shyamsundar A, Chatterjee M. (2007). Molecular Basis of Vanadium-Mediated Inhibition of Hepatocellular Preneoplasia During Experimental Hepatocarcinogenesis in Rats. *Journal of Cellular Biochemistry*, **101(1)**: 244-258.
- ❖ Manna S, **Chakraborty T**, Damodaran S, Samanta K, Rana B, Chatterjee M. (2007). Protective role of fish oil (Maxepa) on early events of rat mammary carcinogenesis by modulation of DNA-protein crosslinks, cell proliferation and p53 expression. *Cancer Cell International*, **7**: 6.
- ❖ **Chakraborty T**, Bhuniya D, Chatterjee M, Rahaman M, Singha D, Chatterjee BN, Datta S, Rana A, Samanta K, Srivastawa S, Maitra SK, Chatterjee M. (2007). Chemopreventive role of *Acanthus ilicifolius* in a transplantable Ehrlich ascites carcinoma-bearing murine model: Reflections in metallothionein expression, sister-chromatid exchange, DNA damage, and DNA single-strand breaks in the liver of Swiss albino mice. *World Journal of Gastroenterology*, **13(48)**: 6538-6548.
- ❖ Chatterjee M, **Chakraborty T**, Tassone P. (2006). Multiple Myeloma: Monoclonal Antibodies-Based Immunotherapeutic Strategies and Targeted Radiotherapy. *European Journal of Cancer*, **42(11)**: 1640-1652 (*Invited Review for a Special Issue: 160 Years of Multiple Myeloma: Progress and Challenges*).
- ❖ **Chakraborty T**, Chatterjee A, Saralaya MG, Chatterjee M. (2006). Chemopreventive effect of vanadium in a rodent model of chemical hepatocarcinogenesis: reflections in oxidative DNA damage, energy-dispersive X-ray fluorescence profile and metallothionein expression. *Journal of Biological Inorganic Chemistry*, **11(7)**: 855-866.

- ❖ **Chakraborty T**, Chatterjee A, Dhachinamoorthi D, Srivastawa S, Panayappan L, Chatterjee M. (2006). Vanadium Limits the Expression of Proliferating Cell Nuclear Antigen and Inhibits Early DNA Damage During Diethylnitrosamine-Induced Hepatocellular Preneoplasia in Rats. *Environmental and Molecular Mutagenesis*, **47(8)**: 603-615.
- ❖ **Chakraborty T**, Pandey N, Chatterjee A, Ghosh B, Rana B, Chatterjee M. (2006). Molecular Basis of Anticlastogenic Potential of Vanadium in vivo During the Early Stages of Diethylnitrosamine Induced Hepatocarcinogenesis in Rats. *Mutation Research*, **609(2)**: 117-128.
- ❖ **Chakraborty T**, Chatterjee A, Saralaya MG, Dhachinamoorthi D, Chatterjee M. (2006). Vanadium inhibits the development of 2-acetylaminofluorene-induced premalignant phenotype in a two-stage chemical rat hepatocarcinogenesis model. *Life Sciences*, **78(24)**: 2839-2851.
- ❖ **Chakraborty T**, Samanta S, Ghosh B, Thirumoorthy N, Chatterjee M. (2005). Vanadium Induces Apoptosis and Modulates the Expressions of Metallothionein, Ki-67 Nuclear Antigen, and p53 During 2-Acetylaminofluorene-Induced Rat Liver Preneoplasia. *Journal of Cellular Biochemistry*, **94(4)**: 744-762.
- ❖ **Chakraborty T**, Ghosh S, Datta S, Chakraborty P, Chatterjee M. (2003). Vanadium Suppresses Sister-Chromatid Exchange and DNA-Protein Crosslink Formation and Restores Antioxidant Status and Hepatocellular Architecture During 2-Acetylaminofluorene-Induced Experimental Rat Hepatocarcinogenesis. *Journal of Experimental Therapeutics and Oncology*, **3(6)**: 346-362.

(C) CONFERENCE PROCEEDING:

- ❖ **Chakraborty T**. (2002). $1\alpha, 25$ -Dihydroxyvitamin D₃ Inhibits Hepatic Chromosomal Aberrations, DNA Strand Breaks and Specific DNA-Carcinogen Adduct Formation During Chemical Rat Hepatocarcinogenesis Initiated by 2-Acetylaminofluorene and Promoted by Experimental Diabetes. *Proceedings of the National Seminar on Recent Advances in Molecular Physiology*, University of Kalyani, **OP-5**: 37.