

**LIST OF ARTICLES / CHAPTERS 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). 1 α ,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). 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). 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.
- ❖ **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.
- ❖ **Chakraborty T**, Chatterjee A, Rana A, Dhachinamoorthi D, Sarkar M, Chatterjee M. (2007). Carcinogen-Induced Early Molecular Events and its Implication in the Initiation of Chemical Hepatocarcinogenesis in Rats: Chemopreventive Role of Vanadium on This Process. *Biochimica et Biophysica Acta (BBA) – Molecular Basis of Disease*, **1772(1)**: 48-59.
- ❖ 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, 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**, 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.