

## CURRICULUM-VITAE

**Dr. Mainak Chakraborty**



**Ph. D.  
Pharmacy.  
M.Pharm(PHARMACOLOGY)**

**Profile URL :**  
<https://vidwan.inflibnet.ac.in/profile/213058>  
**Orcid Id: 0000-0002-9707-0413**

**Permanent Address**  
PO+VILL-Krishnanagar. PS-  
Belonia  
South Tripura Pin-799156.

**Mobile No. :** 09635696121  
**E-Mail:**  
**mainakchakraborty47@gmail.com**

**Personal Data**  
Father's Name: Maloy Kanti  
Chakraborty  
Date of Birth :  
21August1985  
Martial Status : Married

**Hobbies & Interests**  
Cricket Listening Music  
Watching documentary  
Research

**LanguagesKnown**  
Bengali, English, , Hindi

## **OBJECTIVE**

To impart intrinsic knowledge of the subject in theoretical, practical and research aspects. To indulge high quality of discipline and sincerity in the students to make them successful in their academic career and produce them as responsible and duty-minded citizens of our country.

## **STRENGTHS**

- Focused i.e. provides full concentration to work.
- Dedicated i.e. works on the things until they are not completed.
- Flexibility and ability to work within group.
- Strongly believe in doing result oriented hard work.

## **PROFESSIONAL**

**Presently working as an Assistant Professor (Pharmacology) in NSHM KNOWLEDGE CAMPUS KOLKATA, Group of Institutions. 2021 Onwards.**

**Himalayan Pharmacy Institute, Majhitar 2018 — 2021 Assistant professor East District**

## **Expertise**

### **Pharmacology and Toxicology**

NATURAL PRODUCT PHARMACOLOGY, Screening of Natural and Synthetic Compounds in Different Disease Models. Developmental Toxicology in Zebrafish and Brine Shrimp. Free radicals and Antioxidant study.

## **EDUCATION**

### **Professional Qualifications:**

- A. Certificate Course in MOLECULAR BIOLOGY & BIOCHEMISTRY TECHNIQUES, CHIASSMA AIIMS BHUBANESWAR-2021
- B. Harappa level 4 – 2021 Harappa Learning Pvt Ltd. 4.
- C. Ph.D. (Pharmacy). 2019 (Jadavpur University, Kolkata, West Bengal, India)
- D. M. Pharmacy (Pharmacology) 2012 (Sikkim University, Sikkim. India)
- E. B. Pharmacy 2010 West Bengal University of Technology, West Bengal, India.
- F. D. Pharmacy Orissa State Board of Pharm

## MAJOR RESEARCH AWARD

- **Department of Science and Technology (DST-Inspire) – SRF** at Jadavpur University under the supervision of Dr. Pallab Kanti Haldar from May, 2016 to March, 2018.
- **Department of Science and Technology (DST-Inspire)–JRF** at Jadavpur University under the supervision of Dr. Pallab Kanti Haldar from 2014 to April, 2016.

## CONFERENCES / SEMINARS / PAPER PRESENTATIONS / ORAL PRESENTATIONS

- **Mainak Chakraborty** Indrajit Karmakar, , Asis Bala, Pathik Saha, Nilanjan Sarkar, P. K. Haldar, “Scavenging Activity of *Curcuma caesia* Rhizome Against Reactive Oxygen and Nitrogen Species.” National Conference on Application of Nanotechnology in Drug Delivery System, 11-12 March, 2011, Majhitar, Sikkim.
- **Mainak Chakraborty**, Abhimanyu Nepal, Asis bala, P.K. Haldar, “**Free radical scavenging activity of *Hippophae salicifolia*, reduce oxidative DNA damage in mouse peritoneal macrophage**”. 12<sup>th</sup>International congress of Ethnopharmacology. Traditional Medicines and Globalization- The future of Ancient Systems of Medicine”.Jaduvpur University , Kolkata, India.
- Sagnik Haldar, Indrajit Karmakar, **Mainak Chakraborty**, Avratanu Das, Pallab K Haldar. Induction of apoptosis by methanol extract of *Cascabela thevetia* in EAC cell through bcl-2/bax protein expression and DNA damage. 2nd International congress of the society of Ethnopharmacology at RTM Nagpur University, Nagpur. February, 2015 (Oral).
- Sagnik Haldar, Indrajit Karmakar, **Mainak Chakraborty**, Narayan Dolai, Pallab Kanti Haldar. Free Radical Scavenging Activity Of *Thevetia peruviana*. International Conference on Recent Advances in Health Sciences held at Dewan Tun Dr. Ismail Hall, PWTC, Kuala Lumpur. August, 2014. (Oral).
- Sagnik Haldar, Indrajit Karmakar, **Mainak Chakraborty**, Dilshad Ahmad, L.N.Suman, Pallab Kanti Haldar. *In vitro* and developmental toxicity study of *Thevetia peruviana* fruits. 1st International congress of the society of Ethnopharmacology at Sri Ramachandra University, Chennai. March, 2014. (Oral).
- Sagnik Haldar, Indrajit Karmakar, **Mainak Chakraborty**, Dilshad Ahmad, L.N. Suman, Pallab K Haldar. Assessment of developmental toxicity of *Thevetia peruviana* on zebrafish (*Danio rerio*) embryos. DST sponsored national seminar at IGIPS Bhubaneswar, Odisha. February, 2014. (Oral).
- Sagnik Haldar, Indrajit Karmakar, Narayan Dolai, Dilshad Ahmad, L.N. Suman, **Mainak Chakraborty**, Pallab K Haldar. Evaluation of anticancer activity of methanolic extract of *Thevetia peruviana*. 2nd Pharm.Tech. IAPST International Conference at Jadavpur University, Kolkata. January, 2014. (Poster).
- Attend National seminar on “Clinical Pharmacology - Bench to Bedside” at Jadavpur University, Kolkata. November, 2014

## WORKSHOPS

- Participated National Workshop on “**Role of CPCSEA in Animal Welfare**” held on 2nd August, 2014 organized by CPCSEA, Animal Ethics Society of India, Indian pharmacological Society and West Bengal University of Animal & Fishery Sciences at Department of Pharmacology & Toxicology, West Bengal University of Animal & Fishery Sciences, Belgachia, Kolkata.

## PUBLICATIONS

1. **Chakraborty M**, Roy, K., Sedhain, A., Dhakal, P., & Karunakaran, G. (2020). Zebrafish an emerging model for Preclinical Drug Discovery. *International Journal of Research in Pharmaceutical Sciences*, 11(2), 1638-1648. <https://doi.org/10.26452/ijrps.v11i2.2046>
2. **Chakraborty M**, Bala A, Bhattacharya S, Haldar PK. Hypoglycemic effect of ethyl acetate fraction of methanol extract from *Campylandra aurantiaca* rhizome on high-fat diet and low-dose streptozotocin-induced diabetic rats. *Phcog Mag* 2018;14:539-45
3. **Chakraborty M**, Bala A, Haldar PK. Flavonoid enriched fraction of *Campylandra aurantiaca* attenuates carbon tetrachloride induced oxidative DNA damage in mouse peritoneal macrophages in animal model. *Current Drug Discovery Technologies*.2017; DOI: 10.2174/1570163814666170504115137
4. **Chakraborty M**, Karmakar I, Haldar S, Das A, Nepal A, Haldar PK. Anticancer and antioxidant activity of methanol extract of *Hippophae salicifolia* in eac induced swiss albino mice: *IJPPS* 2015;7(8):1-5.
5. **Chakraborty M**, Karmakar I, Haldar S, Das A, Bala A, Haldar PK. Amelioration of oxidative DNA damage in mouse peritoneal macrophages by *Hippophae salicifolia* due to its proton (H<sup>+</sup>) donation capability: *Ex vivo* and *in vivo* studies. *J Pharm Bioall Sci* 2016;8:210-6.
6. Majumder P, Mazumder S, **Chakraborty M**, Ghosh Chowdhury S, Karmakar S, Haldar PK. Preclinical evaluation of Kali Haldi (*Curcuma caesia*): a promising herb to treat type-2 diabetes. *Orient Pharm Exp Med*.2017; DOI 10.1007/s13596-017-0259-9.
7. Haldar S, Karmakar I, **Chakraborty M**, Ahmad D, Haldar PK. Antitumor Potential of *Thevetia peruviana* on Ehrlich's Ascites Carcinoma-Bearing Mice.2015; *Journal of Environmental Pathology, Toxicology and Oncology*, 34(2):105–113'
8. Karmakar I, Haldar S, **Chakraborty M**, Chaudhury K, Dewanjee S, Haldar PK. Regulation of apoptosis through bcl-2/bax proteins expression and DNA damage by *Zanthoxylum alatum*. *Pharm Biol*. 2015; 54(3):1-6.
9. Karmakar I, Haldar S, **Chakraborty M**, Dewanjee S, Haldar PK. Antioxidant and Cytotoxic Activity of Different Extracts of *Zanthoxylum Alatum*. *Free Radicals and Antioxidants*.2015; 5: 21-28.

10. Nepal A, **Chakraborty M**, Karmakar I, Bala A, Haldar PK. Cytotoxic and anti proliferative activity of *hymenodictyon excelsum* in ehrlich ascites carcinoma bearing mice: in vitro and in vivo studies. *International Journal of chemical and pharmaceutical analysis*.2016;3(2):1-7.
11. Haldar S, Karmakar I, **Chakraborty M**, Das A, Haldar PK. Preclinical assessment of *Cascabela thevetia* fruits on developmental toxicity and behavioral safety in zebrafish embryos. *Orient Pharm Exp Med*. 2015; 15:371–377.
12. Pal P, Prasad AK, **Chakraborty M**, Haldar S, Majumder P, Haldar PK. Evaluation of anti cancer potential of methanol extract of *curcuma zedoaria*. *Asian J Pharm Clin Res*,2015;7(5): 309-313.
13. Karmakar I, Haldar S, **Chakraborty M**, Dewanjee S, Haldar PK. In vitro antioxidant and cytotoxic activity of Zanthonitrile isolated from *Zanthoxylum alatum*. *Journal of Applied Pharmaceutical Science*.2016;6(6):119-122.
14. Pal P, **Chakraborty M**, Karmakar I, Haldar S, Das A, Haldar PK. Evaluation of Anticancer Activity of Methanol Extract of *Monstera deliciosa* in EAC Induced Swiss Albino Mice. *International Journal of Toxicological and Pharmacological Research*. 2015;7(4):165-170.
15. Pal P, **Chakraborty M**, Karmakar I, Haldar S, Das A, Haldar PK. In vitro Antioxidant Activity and Total Phenolic Content of *Monstera deliciosa*. *International Journal of Pharmacognosy and Phytochemical Research* 2015; 7(3); 416-419.
16. Panda SP, **Chakraborty M**, Majumder P, Karmakar S, Das S, Haldar PK. Hepatoprotective efficacy of *cucumis callosus* (rottl.) Cogn. (cucurbitaceae) fruit against  $ccl_4$ - induced hepatic damage in rats. *International Journal of Phytopharmacology*. 7(4), 2016, 218-223.
17. Panda SP, **Chakraborty M**, Majumder P, Mazumder S, Das S, Haldar PK. Antidiabetic antioxidant and anti hyperlipidemic activity of *Cucumis callosus* in streptozotocin induced diabetic rat's. *IJPSR*;7(5):197
18. Nepal A, Chakraborty M, Haldar, PK. An overview on medicinal plants of Sikkim Himalayas region with emphasis on antidiabetic: A review. *Journal of Pharmacognosy and Phytochemistry* 10 (4), 215-217.
19. Debankini Dasgupta, Shwetlana Bandyopadhyay, Nilanjan Sarkar, Mainak Chakraborty. Natural remedies for hyperlipidemia: A review. *Journal of Pharmacognosy and Phytochemistry* 10 (5), 181-189
20. Abhimanyu Nepal Mainak Chakraborty, Dhruvajyoti Sharma, Pallab kanti Haldar. Phyto-chemical Characterization of *Aeschynanthus sikkimensis* (Clarke) Stapf. (Gesneriaceae) using GC-MS. *International Journal of Pharmaceutical Research* | 13 (3), 597-602.

21. M Chakraborty, K Roy, A Sedhain, P Dhakal, G Karunakaran. Zebrafish an emerging model for Preclinical Drug Discovery. Int. J. Res. Pharm. Sci., 2020, 11(2), 1638-1648.
22. S Bandyopadhyay, D Dasgupta, N Sarkar, M Chakraborty. A Review on Current scenario of Lipid Metabolic Disorders. International Journal of Pharmacy and Biological Sciences-IJPBSTM (2021) 11 (3): 170-182.
23. K Roy, M Chakraborty, A Theengh. EVALUATION OF WOUND HEALING ACTIVITY OF HYDROALCOHOLIC EXTRACT OF FICUS GLOMERATA ON WISTAR ALBINO RATS. IJPSR, 2021; Vol. 12(1): 554-558.
24. Kumari A, Chakraborty M, Sarkar N, Roy K, Bose S, K Gauthaman. **SYNERGISTIC IMMUNOMODULATORY ACTIVITY OF AQUEOUS ROOT EXTRACT OF ASPARAGUS RACEMOSUS WILLD AND ETHANOL WHOLE PLANT EXTRACT OF BOERHAVIA DIFFUSA LINN.** 2021 Asian Journal of Pharmaceutical and Clinical Research. DOI: [10.22159/ajpcr.2021v14i11.42669](https://doi.org/10.22159/ajpcr.2021v14i11.42669)
25. U Das, N Sarkar, M Chakraborty. An Updated Review of Pharmacological Properties on Citrus Limetta (Mosambi). International Journal of Pharma and Bio Sciences 12(4):82-91

#### HONOURS AND AWARDS

1. Young researcher award – 2021. Institute of scholar
2. **Gold Medal from Sikkim University.**
3. **DST-INSPIRE Fellowship from Department of Science and Technology, NewDelhi, India.**
4. Editorial board Member and Reviewer of Different Journals.
5. Professional Member of InSc.
6. Associated with SFE.

#### REFERENCES:

**Dr. Pallab Kanti Haldar**, Professor, Phytotherapy and Pharmacology Laboratory, Department of Pharmaceutical Technology, Jadavpur University, 188, Raja S.C. Mullick Road, Kolkata – 700032, West Bengal, India. Tel: +91 9007741817, Email: [pallab\\_haldar@rediffmail.com](mailto:pallab_haldar@rediffmail.com)

**Dr. Subhasis Maity**, Professor and Director of Health Sciences, NSHM Knowledge Campus Kolkata, Group of Institutions. 120 B.L SAHA ROAD Kolkata-700053, India. Mail id- [subhasis.maity@nsh.com](mailto:subhasis.maity@nsh.com) Phone Number-9903250735.

Mainak Chakraborty

**Dr. Mainak Chakraborty**

