Dr. Sayed Modinur Rahaman

(M.Sc, PhD)

Email: sayedmodinurrahaman@gmail.com

Mob: 8961784861

Permanent Address:

VILLAGE: GORBHANGA;
P.O+P.S: THANAR PARA
DISTRICT: NADIA
WEST BENGAL
PIN-741152

Contact Address:

Department of Microbiology,
Raiganj University,
Raiganj, Uttar Dinajpur,
W.B, Pin-733134.

Teaching Interest:

Biochemistry ,Biophysics, Molecular biology, Genetics, Immunology

Research Interest:

Protein Biochemistry (Purification, Characterization, Interaction), Cellular signaling and interaction, Importance of medicinal plant to control disease.

Fellowships:

2011: Awarded the Junior Research Fellowship (JRF) from the University of Kalyani as University Research Scholar for pursuing the research career.

2013: Awarded the Senior Research fellowship (SRF) from the University of Kalyani as University Research Scholar.

Teaching Experience: FROM AUGUST 2016 TO PRSENT .

Previous & Present Employment:

August 2016 to Present: Assistant Professor in Dept. of Microbiology, Raiganj University
2013-2015: Senior Research Fellow, University of Kalyani, Kalyani, Nadia, W.B.
2011-2013: Junior Research Fellow, University of Kalyani, Kalyani, Nadia, W.B.

Publications:

Book Chapter:1

1. SajalChakraborti, **SayedModinurRahaman**, MdNurAlam, AmritlalMandal, Biswarup, Ghosh, KuntalDey and Tapati Chakraborti (2015). Na^+/K^+-ATPase: A Perspective. In: Chakraborti S, Dhalla NS (Eds) *Regulation of Membrane Na^+/K^+-ATPase.*Vol 15; Springer, New York (December: 2015).

Research Papers:6

1. KuntalDey, **Sayed Modinur Rahaman**, TapatiChakraborti, Sajal Chakraborti*. (2013) Role of phospholemman and the 70 kDa inhibitor protein in regulating $Na^{+/}K^+$ ATPase activity in pulmonary artery smooth muscle cells under U46619 stimulation. **FEBS Lett.** 1;587:3535-40**.(Impact Factor: 3.519)**
2. **Sayed Modinur Rahaman**, KuntalDey, Partha Das, Soumitra Roy, Tapati Chakraborti, Sajal Chakraborti*. (2014) Identification, purification and partial characterization of low molecular weight protein inhibitor of Na^+/K^+-ATPase from pulmonary artery smooth muscle cells. **Mol Cell Biochem**.: 393:309-17**.(Impact Factor: 2.613)**
3. **Sayed Modinur Rahaman**, KuntalDey, TapatiChakraborti, Sajal Chakraborti*. (2015) Angiotensin II inhibits Na^+/K^+ATPase activity in pulmonary artery smooth muscle cells via glutathionylation and with the involvement of a 15.6 kDa inhibitor protein. **Indian J Biochem.Biophys**.: 52:119-124**.(Impact Factor: 1.0).**
4. Biosynthesized CdS Nanoparticle Induces ROS-dependent Apoptosis in Human Lung Cancer Cells.Nasrin T, Patra M, **Rahaman SM**, Das TK, Shaikh S.Anticancer Agents Med Chem. 2021 Nov 14. doi: 10.2174/1871520621666211115113226. Online ahead of print.PMID: 34781872
5. CRISPR/Cas-Based Biosensor As a New Age Detection Method for Pathogenic Bacteria. Chakraborty J, Chaudhary AA, Khan SU, Rudayni HA, Rahaman SM, Sarkar H*. ACS Omega. 2022 Oct 18;7(44):39562-39573. doi: 10.1021/acsomega.2c04513. eCollection 2022 Nov 8.
6. Surface water quality assessment by Random Forest
   Pramod Kumar Jena a,b,*, Sayed Modinur Rahamana, Pradeep Kumar Das Mohapatra a, Durga Prasad Barik c and Dikshya Surabhi Patra d. 2023 , Water Practice & Technology Vol 18 No 1, 201 doi: 10.2166/wpt.2022.156

Presented a Talk: 02

1. Title: Inhibition of NKA by low mol. Wt. protein. National seminar on: recent trends in life sciences. On 26th march 2017. Dept. of Zoology, Raiganj University, Raiganj.W.B
2. Title: Role of Ang-2 & endogenous protein inhibitor to regulate NKA. National Seminar on frontiers in cell Biology and Microbiology. ON 31st MARCH 2017. Dept. of microbiology, Raiganj University, Raiganj.W.B