

## Bio Data

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### \* Summary of Resume:

- Completed B. Sc. In Physiology (Hons) with Chemistry and Zoology Pass Subjects
- Completed M. Sc. In Physiology with Biochemistry and Toxicology Specialization

Degree	University / Board
Madhyamik (10 <sup>th</sup> )	W. B. B. S. E
H.S. (12 <sup>th</sup> )	W. B. C. H. S. E
B.Sc. [Physiology (Hons), Chemistry & Zoology (Pass)]	B.U.
M. Sc. [Physiology with Biochemistry and Toxicology Specialization]	K.U.
B.Ed.	B.U.
M.A. (Edu)	K.S.O.U.
Ph.D.	K.U.

### \* Work experience:

- Dec '05 – Feb '06 : Worked on the project “*Studies on the Role of Neem Leaf in Immune Activation and its Involvement in Tumor Protection*” at Chittaranjan National Cancer Institute, Kolkata.
- Dec '07 – 31<sup>st</sup> Dec, 2019 : Worked as a *Part-time Teacher (Govt. approved)* in The Dept. of Physiology at Katwa College, Katwa, Purba Burdwan.
- 1<sup>st</sup> Jan, 2020 – present: Serving as State Aided College Teacher, Category-1 (**SACT-I**) in The Dept. of Physiology at Katwa College, Katwa, Purba Burdwan.
- Sep, 2019- Nov, 2024: Worked as research scholar in the Dept. of Molecular Biology and Biotechnology, University of Kalyani.

### \* Personal profile:

- Date of birth : 1984
- Category : Unreserved
- Sex : Male
- Nationality : Indian
- Languages Known : Fluent in English, Hindi and Bengali.

### \* Reviewer:

Assistant Editor in the “International Journal of Research on Social and Natural Science”, ISSN: 2455-5916 (Online).

### \* Honour and Award:

- Awarded 3<sup>rd</sup> prize for poster presentation in the International Conference on Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences (ICCIIFCPAS- 2020) organized by the Dept. of Physiology, Vidyasagar University, Midnapore, 721102, West Bengal, held on 21-22nd January, 2020.
- Qualified in West Bengal State Eligibility Test (SET) in 2018.
- Qualified in National Eligibility Test (CSIR-NET) in 2015.
- Qualified in Graduate Aptitude Test (GATE) in 2015.
- Qualified in West Bengal Teacher Eligibility Test (TET) in 2012.
- Qualified in West Bengal School Service Commission-2016 for Assistant Teacher (PG).

### \* Peer Reviewed Publications:

#### A) Articles in journals

1. Mondal, A., Paul, D., Dastidar, S.G. et al. In silico analyses of Wnt1 nsSNPs reveal structurally destabilizing variants, altered interactions with Frizzled receptors and its deregulation in tumorigenesis. **Sci Rep** 12, 14934 (2022). <https://doi.org/10.1038/s41598-022-19299-x>, ISSN: 20452322
2. Mondal, A., Goswami, A.M., Saha, T. In silico prediction of the functional consequences of nsSNPs in human beta-catenin gene, **Gene Reports**, Volume 23, 2021, 101066, <https://doi.org/10.1016/j.genrep.2021.101066>. ISSN 2452-0144.
3. Mondal A, Chatterjee S. Exercise and Immunity: A Correlated Mechanism. **Int J Health Sci Res.** 2018; 8(8):284-294. ISSN: 2249-9571
4. Mondal A. Effect of Exercise Induced Glutamine on Immune Functin. **Int J Adv. Res.** 2018; 6(8):1157-1162. <http://dx.doi.org/10.21474/IJAR01/7625>, ISSN: 2320-5407

#### B) Book Chapter

1. Nipah Virus Sankramon O Ter Protikar. **Amalesh Mondal**. 2018; Rog Niramoyee Bijnan, Vol.-1, pp.35-37, Diprakalam, ISBN: 978-81-938180-2-2.
2. Hriday Valo Rakhte Sarircharcha. **Amalesh Mondal**. 2018; Heart er Samasya O Suraksha. Vol.-1, pp.25-28, Diprakalam, ISBN: 978-81-938180-3-9.

#### C) Editor

1. Heart er Samasya O Suraksha. Dr Chandan Roy (Editor in Chief), **Amalesh Mondal** (Editor), Dr Sentu Sarkar (Editor), Debjani Sarkar (Editor), Kartik Sau (Editor), Dipayan Dasgupta (Editor), 2018; Vol.-1, Diprakalam, ISBN: 978-81-938180-3-9.

### \* Manuscripts Under Communication:

1. Sk. Faisal Ahmed\*, Md. Shohel Hossain, **Amalesh Mondal\***, Musab Shahariar, Shormila Akter Sumya, Nahid Sultan Rizu, and Lamia Hasan Joarder Barsha. In-silico Identification of Promising PD-L1 Inhibitors from Selected Indian Medicinal Plants for Triple Negative Breast Cancer.

Communicated in Plos One.

2. Tanushree Mondal, Deepanjan Chattopadhyay, Paromita Saha Mondal, Sanjib Das, **Amalesh Mondal**, Abhishek Das, Subhasree Samanta, Tanima Saha<sup>#</sup>. Fusobacterium nucleatum modulates the Wnt/ $\beta$ -catenin pathway in colorectal cancer development.

Communicated in International Journal of Biological Macromolecules.

3. Sanjib Das, **Amalesh Mondal**, Abhishek Das, Subhasree Samanta, Tanushree Mondal, Deepanjan Chattopadhyay, Paromita Saha Mondal, Tanima Saha<sup>#</sup>. Protein-protein interaction network in Candida albicans identifies important pathovirulent biofilm regulatory proteins.

Communicated in Computational Biology and Chemistry.

4. Deepanjan Chattopadhyay, Sanjib Das, Paromita Saha Mondal, Tanushree Mondal<sup>1</sup>, Subhasree Samanta, Abhishek Das, **Amalesh Mondal**, Tanima Saha<sup>#</sup>. In silico identification of the interactions between different signaling pathways for pathogenesis in Candida albicans by Protein-Protein Interactions (PPIs) Network.

Communicated in Molecular Omics.

5. Sanjib Das, Arka Bagchi, Analava Bera, Arunima Biswas, Rik Ganguly, **Amalesh Mondal**, Deepanjan Chattopadhyay, Paromita Saha Mondal, Tanushree Mondal, Abhishek Das, Subhasree Samanta, Achintya Mohan Goswami<sup>#</sup>, Tanima Saha<sup>#</sup>. In-silico drug repositioning studies of Candida albicans Nitrogen permease reactivator 1 (Npr1) kinase.

Communicated in Scientific Reports.

### \* Preferred area of teaching:

- A. System Physiology: Respiratory System, Blood and body fluid, Reproductive System, Excretory System.
- B. Cell Biology
- C. Immunology

**The above furnished information is true to the best of my knowledge.**

**Yours truly,**

**Amalesh Mondal**