<u>CURRICULUM VITAE</u> DR. AVISHEK DAS M.SC, B.ED, PH.D CONTACT NO. 8617378936/9832331030 EMAIL ID. dasavishekdas2012@gmail.com



CAREER OBJECTIVE:

TO WORK ACCORDING TO THE STRENGTH AND TRY TO INVOLVE IN VARIOUS CURRICULUM. ALSO TRY TO EXPLORE MANY AREAS OF THE DISCIPLINE.

Academic Qualification:

| Degree | Board/ University | Year of Passing |
|-------------------------|----------------------------|-----------------|
| Secondary | WBBSE | 2003 |
| Higher Secondary | WBCHSE | 2005 |
| | | |
| Graduation (Zoology | University of North Bengal | 2008 |
| Hons.) | | |
| M.SC (Zoology) | University of North Bengal | 2010 |
| B.ED | University of North Bengal | 2012 |
| Ph.D | University of North Bengal | 2019 |
| GATE | Qualified | 2021 |
| CSIR NET | Qualified | 2022 |
| WBSET | Qualified | 2022 |
| CTET | Qualified | 2021 |
| CTET | Qualified | 2022 |

Areas of Specialization

GENETICS, IMMUNOLOGY, MOLECULAR BIOLOGY, POPULATION GENETICS, INFECTIOUS DISEASE, PUBLIC HEALTH

Research Interests:

IMMUNOLOGY, POPULATION GENETICS ASSOCIATED WITH STUDY OF DIFFERENT ETHNIC POPULATION OF SUB- HIMALAYAN REGION OF WEST BENGAL, IMMUNOGENETICS ASSOCIATED WITH RHEUMATOID ARTHRITIS, TYPHOID & HIV

Award:

Received First position on National seminar on Biological Research in Human Welfare (poster presentation). Organized by Dept. of Zoology, University of North Bengal. 2014. TLR genes in Rabha population.

<u>TEACHING Experience</u>- Assistant Professor (Full time contractual) in North Bengal St. **<u>Research Project experiences:</u>** Indian Council of Medical Research funded research project (2012-2015).

Dissertation completed: Completed 3 dissertation projects on genetics and Immunology during the year 2014-2017. (Work based on population genetics and Human immunodeficiency virus, University Of North Bengal).

<u>Ph.D:</u>

Title: FREQUENCY AND DISTRIBUTION OF TLR GENES IN SOME HUMAN POPULATIONS OF NORTH BENGAL REGION AND THEIR ASSOCIATION WITH RHEUMATOID ARTHRITIS

Publications

Das A. Guha P. Chaudhuri TK. 2021. COVID19 and cellular pathways: A recent update (Under revision).

Das A. Chaudhuri TK. Guha P.2021. Endocrine dysregulation in case of Chronic Obstructive Pulmonary Disease (COPD) – A Systemic Review (Under revision).

Das A. Chaudhuri TK. 2020. Toll like Receptors: An Insight Role against the Pathogen. Int J Zoo Animal Biol. 3: 000233.

Guha P. **Das A**. Chaudhuri TK.2020.Association of KIR and TLR genes with Rheumatoid Arthritis. Biomed J Sci& Tech Res. 29: 22294-96.

Das A. Chaudhuri TK. 2020. Vaccination in India: An Insight. J Vaccines Immunol 6: 028-031.

Das A. Guha P. Chaudhuri TK. 2017. Diversity of Ten TLR Genes in Some ethnic populations of North Bengal region of India. *IJPBS*. 7:255-62.

Das A. Guha P. Chaudhuri TK.2017. Role of Toll like Receptors in bacterial and viral diseases-A systemic approach. *EJMHG*. 18: 373- 379.

Das A, Guha P, Chaudhuri, TK. 2016. Environmental selection influences the diversity of TLR genes in Ethnic Rajbanshi population of North Bengal Region of India. *JGEB*. 14:241-45.

Guha P. **Das A**. Dutta S. Chaudhuri TK.2017. A Rapid and Efficient DNA Extraction Protocol from Fresh and Frozen Human Blood Samples. *JCLA*. 32: 1-7.

Das A, Guha P, Chaudhuri T.K. 2016. Comparative sequence analysis of TLR2 TLR4 and TLR9 genes among selected vertebrates-A meta- analysis. *Int J Pharm Pharm Sci.* 8:180-185.

Guha P, **Das A**, Dutta S, Bhattacharjee S, Chaudhuri TK.2015. Study of genetic diversity of KIR and TLR in the Rabhas, an endogamous primitive tribe of India. *Hum Immunol*. 76: 789–794.

Guha P. Paul S. **Das A**. Halder, B. BhattacharjeeS. Chaudhuri, T.K. 2014. Analyses of Human and Rat Clinical Parameters in Rheumatoid Arthritis Raise the Possibility of Use of Crude Aloe vera Gel in Disease Amelioration. *Immunome Res*. *10:2.2-7*.

Guha, P. Srivastava, SK. **Das, A**. Bhattacharjee, S. Halder, B. Chaudhuri, TK. 2013. Comparative Analyses of the ABO, KIR, and HLA loci among the Rajbanshi of North Bengal region, India. *Annals of Pharma research*. 1: 18-24.

Guha P, **Das A**, Bhattacharjee S, Chaudhuri TK.2018. Study of genetic diversity of KIR genes in the Gurkha and Muslim population in the North Bengal region of India (Communicated).

Conferences attended

1. 3rdInternational conference of the Indian society for Histocompatibility and Immunogenetics (ISHI-2013). Oct 7-9, 2013. Poster presentation on Study of the diversity of 5TLR genes among the endemic Rabha population of North Bengal region of India.

2. National symposium on Man animal and environment interaction in the perspective of modern research. Organized by Dept. of Zoology, University of North Bengal. 2013.

3. National seminar on Biological Research in Human Welfare (poster presentation). Organized by Dept. of Zoology, University of North Bengal. 2014. TLR genes in Rabha population.

4. National conference on applied zoology in sustainable development: An update. Organized by Dept. of Zoology, University of North Bengal. 2015.

Professional Experience-Indian Council of Medical Research funded research project (2012-2015).

Junior Research fellow under BSR-meritorious fellowship for 3years (2013-2016)

Senior Research fellow under BSR-meritorious fellowship for 3years (2016-2018)

SKILLS AND KNOWLEDGE:

1. Any other work experience- Developed a new and cheap DNA isolation protocol from human fresh and frozen blood samples and published in Journal of clinical laboratory analysis (JCLA-Willey publication)

- 2. DNA isolation from various blood samples. DNA sequencing.
- 3. Handling of rat and mouse model in laboratory.
- 4. Dissection of various animals.
- 5. Hematological experiment analyses.
- 6. Experiment related to biochemistry.
- 7. Chrormosomal study and identification.
- 8. Study related to community diseases and population genetics.

Technical Knowledge:

Softwares: Kyplot, GenAlEx (ver-6.5), SPSS (Ver-15.0) and MINITAB, POPGENE (ver-1.32) and Phylip, BLAST primer design.

Statistics: Chi square, Principle component analyses, Genetic distance analyses, Neighbour joining tree, t- test, ANOVA, Correlation and regression, Phylogenetic tree analyses.

Research Project experiences:Indian Council of Medical Research funded research project (2012-2015).

Dissertation completed:Completed 3 dissertation projects on genetics and Immunology during the year 2014-2017. (Work based on population genetics and Human immunodeficiency virus, University Of North Bengal).

Work Experience- Assistant Professor (Full time contractual) in North Bengal St. Xaviers College, Rajganj (2017- 2019)