

BIO DATA OF POKHRAJ GUHA



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E-mail: POKHRAJ.PG@GMAIL.COM
Date of Birth: 21/01/1985
Nationality: INDIAN
Sex: MALE
Caste: HINDU
Category: GENERAL

Academic Qualifications:

Sl.N	Institution	Degree	Year	Field of Study
1	Holy Child School	ICSE (Xth)	2001	Eng, Beng, Math, Phy, Chem, Bio, Hist, Geo, Computer
2	Army School Bengdubi	CBSE (XIIth)	2003	Eng, Phy, Chem, Bio, Math
3	Ananda Chandra College, Jalpaiguri	B.Sc (Hons.)	2006	Zoology
4	University of North Bengal	M.Sc	2008	Zoology
5	CSIR-UGC	NET-JRF	2009	Life Sciences
6.	University of North Bengal	Ph.D	2018	Study of the Genetic Diversity of Killer Cell Immunoglobulin Like Receptors (KIRs) in Some Human Populations of Sub-Himalayan Regions

Employment (Starting with the most recent employment)

Sl. No.	Institution	Position	From (Date)	To (date)
1.	Department of Zoology (UG & PG) Garhbeta College	Assistant Professor	25.01.2017	Present
		(a) <u>Coordinator of PG course (ZOOLOGY) and In-Charge of CENTRAL RESEARCH</u>	2018	Present
		(b) <u>Head of the Department</u>	1.12.2020	Present

Other Administrative Duties

Convenor: Computer and Computer Maintenance

Member: UGC subcommittee, Internet and Website subcommittee, Games and Sports subcommittee, Career Counselling subcommittee, Research subcommittee, Seminar subcommittee, Online Admission subcommittee, Nature and Environment subcommittee.

Academic Experience:

Acted as Joint organizing secretary in “Advanced Web lecture Series on Recent Trends in Researches and Advancements in life Sciences” organized by Jhargram Raj College and Garhbeta College jointly.

Communicating Skills:

English, Bengali and Hindi (Read and write both)

Research Experience:

10 years (approx.)

Research Interest:

Immunology, Cell Biology, Bioinformatics, Molecular Genetics, Reproductive biology, Population Genetics, Biotechnology, Disease based Researches.

Hobbies and other skills:

Painting, Martial Arts, Music, Sports, website designing, Photo editing and retouching, Video making

Seminar/Conference/Workshop (Last 5 years)

1. Presented a paper in RUSA 2.0 (Component 8) Sponsored Two Day National Seminar on “Animal Research Today: Basic and Applied Arena”, organized by Midnapore City College, Paschim Medinipur, from 13th and 14th March **2020**. Title of the Paper is “Chronic Obstructive Pulmonary Disease: A brief Overview”.
2. Participated in West Bengal Biodiversity Board sponsored One Day State Level Seminar On “Coastal Biodiversity and It’s Conservation”, organized by Department of Zoology, Botany, Egra S.S.B. College, Egra, Purba Merdinipur on 29th February, 2020.
3. Participated in International we lecture series entitled “Scientific mind and Modelling of Environmental Health”organized by Department of Zoology, Mahisadal Raj college in Lecture no. 5 on “Organogenesis in Culture: Insights to disease, development & discovery” on 1st August 2020.
4. Presented a paper in SERB sponsored National Level Seminar on “Role of Basic Sciences in Translational Research applied on Biological Sciences and Human Health”, organized by Midnapore City College, Paschim Medinipur, from 5th to 6th February **2018**. Title of the Paper is “A Cheap And Fast Protocol For Extracting Genomic DNA From Fresh And Frozen Human Blood Samples”.
4. Presented paper in the National Conference on “ZooCon 2017: Animal Science in 21st Century” organized by Department of Zoology, University of North Bengal held on February 11-12, **2017**. Title of the talk was , “Comparative Analyses of the Roles of Clinical Parameters in the Diagnosis of Rheumatoid Arthritis in Patients from Siliguri and Adjoining Areas of West Bengal.”
5. Participated in One Day National Seminar on “Recent Development in Biological Science and Chemical Science” organized by Garhbeta College, Paschim Medinipur, on April 1, **2017**.
6. Presented paper in the UGC sponsored National Seminar on “ Advances In Biology: Eastern Himalayan Perspective” organized by Department of Botany and Department of Zoology, Kalimpong College held on October 3rd and 4th **2015**. Title of the talk was , “Comparative Analyses Of Rheumatoid Arthritis Based Clinical Parameters In Human And Rat Model Raise The Possibility Of Use Of Crude Aloe Vera Gel In Disease Amelioration.”
7. Presented paper in the National symposium on “Man, Animal and Environment Interaction in the Perspective of Modern Research”, organized by Department of Zoology, University of North Bengal on March 08-09, **2013** Title of the Talk was , “Comparative Account of The KIR Gene Profile In The Rajbanshi and The Bengali Populations Of North Bengal, India” **(BEST ORAL PRESENTATION)**.

8. Presented paper in the 3rd National Conference of the Indian Society for Histocompatibility and Immunogenetics, organized by Department of Transplant Immunology and Immunogenetics, All India Institute of Medical Sciences, New Delhi, held on October 7-9, **2013**. Title of the Talk was , “KIR Gene Profile in The Bengali and Rajbanshi Populations Of North Bengal, India.” **(BEST ORAL PRESENTATION)**.
9. Attended the preconference workshop on PCR based typing of HLA and Human Polyomavirus JC as part of the XXI Annual State Conference, organized by North Bengal Medical College and Sponsored by Medical Council of India, on September **2013**.

LIST OF PUBLICATIONS AND BOOK CHAPTERS

1. Guha, P.; Roychoudhury, S.; Singha, S.; Kalita, J.C.; Kolesarova, A.; Jamal, Q.M.S.; Jha, N.K.; Kumar, D.; Ruokolainen, J.; Kesari, K.K. A Comparative Cross-Platform Meta-Analysis to Identify Potential Biomarker Genes Common to Endometriosis and Recurrent Pregnancy Loss. *Appl. Sci.* 2021, 11, 3349. <https://doi.org/10.3390/app11083349>
2. Roychoudhury S, Chakraborty S, Das A, **Guha P**, Agarwal A, and Henkel R. (2020) Herbal medicine use to treat andrological problems: Asian and Indian subcontinent: Ginkgo biloba, Curcuma longa, and Camellia sinensis. In R. Henkel & A. Agarwal (Eds.), *Herbal Medicine in Andrology- An Evidence-based Update*, Chapter 5 (pp 129-45), London: Academic Press
3. **Guha P.**, Das A. & Chaudhuri T.K. (2020) Association of KIR and TLR genes with Rheumatoid Arthritis. *Biomed J Sci & Tech Res* 29(2), 22294-6.
4. Guha, P. & Majumder, N.K. (2020). Chronic Obstructive Pulmonary Disease: A Brief Overview. In G.Ghosh (Ed.), *Animal Research Today: Basic and Applied Arena*, Chapter 12 (pp 93-7), Midnapore: Kabitika (ISBN: 978-93-89209-60-0).
5. Dutta S, Chakraborty AK, Dey P, Kar. P, **Guha, P.**, Sen S, et al. (2018) Amelioration of CCl4 induced liver injury in swiss albino mice by antioxidant rich leaf extract of *Croton*

bonplandianus *Baill.* *PLoS ONE* 13(4): e0196411. <https://doi.org/10.1371/journal.pone.0196411>. **(I.F. 2.806) [PLOS]**

6. **Guha, P.,** Das, A., Dutta, S. & Chaudhuri, T. K. (2017) A rapid and efficient DNA extraction protocol from fresh and frozen human blood samples. *Journal of Clinical and Laboratory Analyses* 32, e22181. **(I.F. 1.521) [WILEY ONLINE]**
 7. **Guha, P.,** Das, A., Dutta, S., Bhattacharjee & Chaudhuri, T. K. (2015) Study of genetic diversity of KIR and TLR in the Rabhas, an endogamous primitive tribe of India. *Human Immunology* 76, 789-94. **(I.F. 2.311) [ELSEVIER]**.
 8. **Guha, P.,** Bhattacharjee, S. & Chaudhuri, T. K. (2014) Diversity of Killer Cell Immunoglobulin-Like Receptor Genes in the Bengali Population of Northern West Bengal, India. *Scandinavian Journal of Immunology* 80, 441–51. **(I.F. 2.256) [WILEY ONLINE]**
 9. **Guha, P.,** Bhattacharjee, S., Nayak, C. & Chaudhuri, T. K. (2013) Study of the KIR gene profiles and analysis of the phylogenetic relationships of rajbanshi population of west bengal, india. *Human Immunology* 74, 673-80. **(I.F. 2.311) [ELSEVIER]**
 10. **Guha, P.,** Srivastava, S.K., Bhattacharjee, S. & Chaudhuri, T. K. (2013) Human migration, diversity and disease association: a convergent role of established and emerging DNA markers. *Frontiers in Genetics* 4, 1-8. **(I.F. 4.151) [FRONTIERS]**
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11. Das, A., **Guha, P.,** Sen, D. & Chaudhuri, T.K.(2017). Role of toll like receptors in bacterial and viral diseases – A systemic approach. *The Egyptian Journal of Medical Human Genetics* 18, 373-79. **[ELSEVIER] SCImago Journal Rank (SJR) 2017: 0.212**
 12. Das, A., **Guha, P.,** Chaudhuri, T.K. (2016) Environmental selection influences the diversity of TLR genes in ethnic Rajbanshi population of North Bengal Region of India. *Journal of Genetic Engineering and Biotechnology* 14, 241–45. **[ELSEVIER] SCImago Journal Rank (SJR): 0.375.**
 13. Das, A., **Guha, P.,** Chaudhuri, T.K. (2016) Genetic Diversity of Ten TLR genes in some ethnic populations of North Bengal region of India- a Systemic Study. *International*

Journal of Pharmacy and Biological Sciences 7(4), 255-262. **(SJIF 2017: 3.125)**

14. Dutta, S., **Guha, P.**, Dey, P. and Chaudhuri, T.K. (2016) Comparative phytochemical profiling of *Clerodendrum infortunatum* with some selected medicinal plants predominant in the Sub-Himalayan region of West Bengal. *Journal of Basic Clinical Physiology and Pharmacology* 27(5), 547–55. **[DE GRUYTER] SCImago Journal Rank (SJR) 2016: 0.349**
15. Das, A., **Guha, P.**, Chaudhuri, T.K. (2016) Comparative sequence analysis of tlr2 tlr4 and tlr9 genes among selected vertebrates-a meta-analysis. *International Journal of Pharmacy and Pharmaceutical Sciences* 8(11), 2016. **SCImago Journal Rank (SJR) 2017: 0.22.**
16. Chaudhuri TK, **Guha P** (2015) HLA: Facts and Findings. *Transcriptomics* 3: e112. **[SJIF IMPACT FACTOR 1.93]. [OMICS Publishing Group].**
17. **Guha P**, Subhashis P, Das A, Halder B, Bhattacharjee S, et al. (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 Research* 10(2), 1-7. **(SJIF-6.27) [OMICS Publishing Group].**
18. Patra, A.K., Das, V. & **Guha, P.** (2014) Mosquito control using *Badis badis* (Hamilton, 1822) [Teleostei: Perciformes] in ground water (domestic well): Preliminary findings of a laboratory trial. *International Journal of Fisheries and Aquatic Studies* 2(1), 131-133. **[(RJIF) Impact Factor: 5.69]**
19. **Guha, P.**, Srivastava, S.K., Das, A., Bhattacharjee, S., Haldar, B. & Chaudhuri, T. K. (2013) Comparative analyses of the ABO, KIR, and HLA loci among the Rajbanshis of North Bengal Region, India. *Annals of Pharma Research* 01, 18-24.

Declaration

All the statements mentioned above are true to the best of my knowledge and belief.



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