

ACADEMIC PROFILE



DR. BISWANATH MALAKAR

Assistant Professor in Anthropology (W.B.E.S.)

M.Sc., Ph.D.

Email: biswanath.malakar@gmail.com

- **Specialization:** Biological Anthropology
- **Date of joining in this college:** 02.07.2016
- **Total teaching experience in college level:** 10 years
- **Area of research:** Occupational Health, Tribal Health and Biostatistics
- **Title of Ph.D. thesis (if any):** Health Status of the Stone Mine Workers of Birbhum District, West Bengal
- **Research guidance (if any):** Nil
- **Research projects [completed / ongoing] (if any):** Nil
- **List of publications:**

A. Published papers in Journals:

1. Pakhira, A., Paria, P., **Malakar, B.**, Devi, M.S. et al. 2025. Pathogenomic profiling: Decoding the pathogenic potential of virulent *Bacillus cereus* associated with mortality of farmed *Labeo rohita* (Hamilton, 1822), in India. *Aquaculture*, 595(2): 741703 (<https://doi.org/10.1016/j.aquaculture.2024.741703>) (ISSN 0044-8486) (Scopus cited).
2. Pakhira, A., Paria, P., **Malakar, B.**, Devi, M.S. et al. 2024. Identification and virulence gene characterization of pathogenic bacteria from diseased *Labeo rohita* (Hamilton, 1822): Insight into aquatic animal health management in Indian aquaculture. *AIMS Molecular Science*, 11(3): 277-302. (doi: [10.3934/molsci.2024017](https://doi.org/10.3934/molsci.2024017)) (Scopus cited).
3. **Malakar B**, Roy SK, Mondal MH, Roy A. 2024. Stone mining work and dust pollution in Birbhum district, West Bengal, India. *Toxicology and Industrial Health*, 40(4):185-193. (doi: [10.1177/07482337241233310](https://doi.org/10.1177/07482337241233310)) (Scopus cited).

4. Podder R, Nath S, Modak BK, Weltje L, **Malakar B.** 2022. Tube length of chironomid larvae as an indicator for dissolved oxygen in water bodies. *Scientific Reports*, 12(1):19971. (DOI: [10.1038/s41598-022-23953-9](https://doi.org/10.1038/s41598-022-23953-9)) (Scopus cited).
5. **Malakar, B.**, Roy, S.K. and Pal, B. 2022. Relationship between physical strength measurements and anthropometric variables: Multivariate analysis. *Journal of Public Health and Development*, 20(1): 132-145. (Available at URL: <https://doi.org/10.55131/jphd/2022/200111>) (ISSN: 2673-0774 Print 2651-1258Online) (UGC Approved Scopus cited).
6. **Malakar, B.** and Roy, S.K. 2021. Nutritional Status and its Concomitants of two Contrasting Occupational Groups: A Study on Santal Community of Birbhum District, West Bengal. *Online Journal of Health and Allied Sciences*, 20(4): 2. (Available at URL: <https://www.ojhas.org/issue80/2021-4-2.html>) (ISSN: 0972-5997) (UGC Approved Scopus cited).
7. Banerjee, A., **Malakar, B.** et al. 2020. Commercialization of a craft tradition: A study on Dokra artisans living in Dariapur region in West Bengal. *The Eastern Anthropologist*, 73(3-4): 587-613 (Available at: <H:\Manjeet-M\The Eastern-No.3-4>) (ISSN: 0012-8686) (UGC Approved Scopus cited).
8. **Malakar, B.**, Mallick, A., Roy, S.K. and Santra, A. 2019. Hearing threshold and its concomitants among Santal stone mine workers of Birbhum district, West Bengal, India. *Online Journal of Health and Allied Sciences*, 18(3): 2. (Available at URL: <https://www.ojhas.org/issue71/2019-3-2.html>) (ISSN: 0972-5997) (UGC Approved Scopus cited).
9. **Malakar, B.** and Roy, S.K. 2017. Effect of Socio-economic Characteristics on Fertility and Under-five Mortality: Examples from the Santals of Birbhum district, West Bengal, India. *Anthropological Review*, 80: 323-334. doi: <https://doi.org/10.1515/anre-2017-0023> (ISSN: 18986773, e-ISSN: 2083-4594) (UGC Approved Scopus cited).
10. Bhattacharya, A., **Malakar, B.**, Chowdhury, T.K., Mukherjee, S. and Roy, S.K. 2016. Study on Demographic Traits of Two Oraon Occupational Groups of Alipurduar District, West Bengal. *Indian Journal of Physical Anthropology and Human Genetics*, 35: 187-200 (Available at URL: <J:\GRS=Formating Journals\IJPAH>) (ISSN: 03788156) (UGC listed Journal No. 20846).
11. **Malakar, B.** and Roy, S.K. 2016. Age Related Changes in Lung Function Traits of Santal Stone Mine Workers of Birbhum District, West Bengal. *Eurasian Journal of Anthropology*, 7(2): 49-60 (Available at URL: <https://izlik.org/JA42HU25LD>) (ISSN: 2166-7411) (UGC Listed Journal No. 44129).
12. **Malakar, B.** and Roy, S.K. 2016. Prevalence of Anaemia and Age Related Changes in Haemoglobin Level of the Santal Labourers of Birbhum District, West Bengal, India. *North Bengal Anthropologist*, 4: 154-163 (ISSN: 2320-8376).

GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR

13. Roy, S.K., Bhattacharya, A. and **Malakar, B.** 2015. Lung function and its association with some selected physiological and anthropometric variables among adult Oraon tea garden labourers of Jalpaiguri district, West Bengal. *Bulletin of Department of Anthropology, Dibrugarh University*, 43(1): 17-30 (ISSN: 0976-2264).
14. **Malakar, B.** and Roy S.K. 2014. Selection intensity of two Santal groups exposed to different environmental conditions of Birbhum district, West Bengal. *Human Biology Review*, 3(4), 327-336 (ISSN: 2277-4424).
15. Ray, S, Das, B.M., **Malakar, B.** and Mishra, S. 2013. Biocultural Perspective of Reproductive and Sexual Health with Special Reference to Adolescent Male. *Asian Man*, 7(1&2): 14-28 (doi: 10.5958/j.0975-6884.7.1X.004) (ISSN: 0986-6884).

B. Published papers in Seminars/Symposia/Conferences: Nil

C. Published Books / Chapters in Books:

1. **Malakar, B.** and Roy, S.K. 2018. Comparison of Selected Anthropometric Traits of Two Santal Occupational Groups of Birbhum district, West Bengal. In: Readings in Biological Anthropology. (Eds.) Ghosh, S. and Limbu, D.K. B.R. Publishing Corporation: New Delhi. Page No: 15-28. (ISBN: 9789386223869).
2. **Malakar, B.** and Roy, S.K. 2019. Concomitants of lung function: Santal males of Birbhum district, West Bengal. In: Anthropology, Health and Development Trends and Future Perspectives. (Eds.) Kshatriya, G.K., Kumari, A. and Mahajan, N. B.R. Publishing Corporation: New Delhi. Page No: 151-162. (ISBN: 9789388789356).

D. Participation in Seminars/Symposia/Conferences/Workshops:

Title of the invited lecture /paper presented (oral/poster)	Title of Conference /Seminar with date	Organized by	Level
Invited lectures on- 1. Hypothesis Testing and Statistical Modelling 2. AI-assisted Quantitative & Qualitative Data Analysis	<i>12 Day Online Refresher Course on Advanced Research Techniques and AI Tools for Academic Excellence, 23 February-10 March, 2026</i>	MMTTC, National Sanskrit University, Tirupati	National
Invited lecture on- 1. Use of SPSS on Educational Research	<i>06 days Faculty Development Program (FDP) on Educational Research/ Short Term Programme (STP), 15-20 December, 2025</i>	MMTTC, National Sanskrit University, Tirupati	National
Invited lectures on- 1. Correlation & Regression, Testing of Statistical Hypothesis 2. Use of Non-parametric test in Social Science Research	<i>OHEPEE-IDP sponsored One Week Faculty Development Programme on "Research Methodology in Social Scienc, 27-31 May, 2023</i>	Department of Anthropology & Tribal Studies, MSCB University	National
Invited lecture on-	<i>Workshop on Research</i>	Biological	National

GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR

1. Survival Analysis	<i>Methodology and Statistical Package for Social Science (SPSS)</i> 9-16 February, 2022	Anthropology Unit, Indian Statistical Institute	
Invited lectures on- 1. Hypothesis testing 2. Survival Analysis	<i>Workshop on Research Methodology and Statistical Package for Social Science (SPSS)</i> 3-10 March, 2021	Biological Anthropology Unit, Indian Statistical Institute	National
Invited lectures on- 1. ANOVA/ ANCOVA 2. MANOVA/MANCOVA	<i>Winter school on Use and Application of SPSS</i> 27-31 January, 2020	Biological Anthropology Unit, Indian Statistical Institute	National
Invited lectures on- 1. ANOVA/ MANOVA 2. Survival Analysis	<i>Application of SPSS in Geographical Research</i> 3-12 December, 2018	Department of Geography, Cooch Behar Panchanan Barma University	National
Invited lecture on- 1. Survival Analysis	<i>Summer school on Use and Application of SPSS</i> 27-31 August, 2018	Biological Anthropology Unit, Indian Statistical Institute	National
Invited lecture on- 1. Hands on Training in Computer Software (SPSS)	<i>Summer school on Use and Application of SPSS</i> 22-25 August, 2017	Biological Anthropology Unit, Indian Statistical Institute	National
Invited lecture on- 1. Hands on Training in Computer Software (SPSS)	<i>Winter school on Research Methods in Biology</i> 16-23 January, 2017	Biological Anthropology Unit, Indian Statistical Institute	National
Invited lecture on- 1. Hands on Training in Computer Software (SPSS)	<i>Workshop on Statistical and Computing Methods for Life Science Data Analysis</i> 8-12 February, 2016	Biological Anthropology Unit, Indian Statistical Institute and Department of Anthropology, Dibrugarh University	National
Invited lecture on- 1. Hands on Training in Computer Software (SPSS)	<i>Workshop on Statistical and Computing Methods for Life Science Data Analysis</i> 14-19 March, 2016	Biological Anthropology Unit, Indian Statistical Institute and Department of	National

GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR

		Physiology, Tripura University	
Invited lecture on- 1.Hands on Training in Computer Software (SPSS)	<i>Workshop on Statistical and Computing Methods for Life Science Data Analysis 9-14 February, 2015</i>	Department of Environmental Science, Pachhunga University College, Aizawl, Mizoram	National
Paper presented on- 'Mining, Marginality and Global Health: Occupational Health Risks among Santal Stone Mine Workers of Birbhum District, West Bengal'	<i>1st International Conference on Environmental Challenges of the Dynamic Earth: A Multidisciplinary Approach (ECDEMA-2025) 17-18 November, 2025</i>	Sister Nibedita Government General Degree College for Girls, Kolkata	International
Paper presented on- "Occupational Hazards and Health: A Study among Santal Stone Mine Workers of Birbhum District, West Bengal"	<i>8th India Biodiversity Meet (IBM) 24-26 March, 2025</i>	Indian Statistical Institute, Kolkata	National
Paper presented on- "Association of dust pollution and other concomitants with lung function of Santal Stone Mine Workers of Birbhum district, West Bengal"	<i>106th Indian Science Congress 3-7th January, 2019</i>	Indian Science Congress Association at Lovely Professional University, Punjab	National
Paper presented on- "Prevalence of Anemia and its concomitants among ever- married Santal women of Birbhum district, West Bengal"	<i>National seminar on Bio- Cultural Heritage of Eastern India: Theoria, Praxis and Poiesis 28-29th March, 2018.</i>	Department of Anthropology, University of Calcutta	National
Paper presented on- "Concomitants of Lung function: Santal Males of Birbhum district, West Bengal"	<i>National seminar on "Anthropology, Health and Development: Trends and Future Perspectives" 20-21st February, 2018</i>	Department of Anthropology, University of Delhi	National
Paper presented on- "Child mortality differentials a case of Santal labourer of Birbhum, West Bengal"	<i>National seminar on Human Diversity and Development: Local to Global Perspective 27-28th March, 2017</i>	Department of Anthropology, University of Calcutta	National
Paper presented on- "Relationship between strength measurements and Anthropometric traits:	<i>National seminar on Anthropology in the Present Era 23-24th March, 2017</i>	Department of Anthropology, University of North Bengal	National

GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR

Multivariate Analysis”			
Paper presented on- “Effect of Socio-economic characteristics on demographic events of the Santal labourers of Birbhum, West Bengal”	<i>104th Indian Science Congress 3-7 January, 2017</i>	Sri Venkateswara University, Tirupati	National
Paper presented on- “Relationship of muscular strength with physical body dimension and age of the male Santal stone mine workers of Birbhum district, West Bengal”	<i>National Seminar on ‘Tribals in the Contemporary Context: Myriad Perspectives from North-East India 9-10 April, 2016</i>	Saint Claret College, Ziro, Arunachal Pradesh	National
Paper presented on- “Study on lung function between stone mine workers and non-mine workers of Birbhum district, West Bengal”	<i>National Conference on ‘Human diversity: Biological Anthropological Approaches 26-27 March, 2015</i>	Biological Anthropology Unit, Indian Statistical Institute, Kolkata	National
Paper presented on- “Comparison of selected anthropometric measurements of two Santal occupational groups of Birbhum district, West Bengal”	<i>National Seminar on ‘New Arenas of Biological Anthropology in India 19-21 November, 2014</i>	North-eastern Hill University, Shillong	National
Paper presented on- “Health of stone quarry workers in the district of Birbhum, West Bengal”	<i>Two-day Seminar on ‘Current Trends in Research on Biological Anthropology in West Bengal’ 21-22 March, 2013</i>	Biological Anthropology Unit, Indian Statistical Institute, Kolkata	National
Paper presented on- “Opportunity for selection of two Santal groups living in different environmental conditions of Birbhum district, West Bengal”	<i>National Conference on ‘Recent Trends in Research on Biological Anthropology in the Eastern and North-Eastern India 21-23 November, 2013</i>	Biological Anthropology Unit, Indian Statistical Institute, Kolkata	National
Paper presented on- “Reproductive health of adolescent and young adult male: A study in the city of Kolkata”	<i>IUAES Inter-Congress 2012 26-30 November, 2012</i>	KISS and KIIT University, Bhubaneswar	International

GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR

➤ **Participation in OP/RC/FIP/FDP:**

Name of the Course	Place	Duration	Sponsoring Agency
127 th Orientation Programme	HRDC, Calcutta University	18.11.2019 to 07.12.2019	UGC
Refresher Course in 'Environmental Science'	HRDC, Burdwan University	20.08.2022 to 02.09.2022	UGC
Refresher Course in 'Anthropology (IDC)'	HRDC, North Bengal University	13.09.2019 to 26.09.2019	UGC
Refresher Course in 'Environmental Science'	HRDC, Sambalpur University	24.02.2026 to 09.03.2026	UGC

➤ **Membership of Learned Societies/ Editorial Boards, etc. (if any):**

1. Life Member, Indian Science Congress Association (ISCA).
2. Life Member, Indian National Confederation and Academy of Anthropologists (INCAA).

➤ **Patents (if any): Nil**

➤ **Awards (if any):**

1. Received Professor P.C. Biswas Memorial Best Paper Award-2017 in the National Seminar on "Anthropology, Health and Development: Trends and Future Perspectives" held at the Department of Anthropology, University of Delhi during 20-21st February, 2018.
2. Qualified National Eligibility Test (NET) (in 2012).
3. Qualified Indian Statistical Institute Entrance Test for Junior Research Fellow (JRF), Biological Anthropology Unit, Indian Statistical Institute, Kolkata (on 2012).

➤ **Other notable activities (if any):**

1. Member of the Under Graduate Board of Studies in Anthropology, University of Burdwan (2019-2025).
2. Worked as Government nominated subject Expert for the various Government organizations.
