



Curriculum Vitae

Arup Ratan Bandyopadhyay, M.Phil, PhD

Full name of the faculty member: ARUP RATAN BANDYOPADHYAY

Designation: Professor

Specialization: BIOLOGICAL ANTHROPOLOGY

Contact information:

DEPARTMENT OF ANTHROPOLOGY, UNIVERSITY COLLEGE OF SCIENCE TECHNOLOGY & AGRICULTURE, UNIVERSITY OF CALCUTTA. 35, BALLYGUNGE CIRCULAR ROAD, KOLKATA – 700019.

E-MAIL: abanthro@caluniv.ac.in (Official)/ arbaner@rediffmail.com/prof.arup.cu@gmail.com (Personal)

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Academic Qualification:

College/University from which the degree was obtained	Abbreviation of the degree
University of Calcutta	B.Sc (Hons) in Anthropology (1 st Class)
University of Calcutta	M.Sc in Anthropology (1 st Class)
University of Calcutta	M.Phil in Environmental Science
University of Calcutta	PhD in Science (Anthropology)

POSITION HELD / HOLDING:

	POST	UNIVERSITY	DURATION
	JUNIOR RESEARCH FELLOW (UGC-NET)	UNIVERSITY OF CALCUTTA	1987-1989
	SENIOR RESEARCH FELLOW (UGC-NET)	UNIVERSITY OF CALCUTTA	1989-1992
	GUEST LECTURER	VIDYASAGAR UNIVERSITY	1992-1993
Regular (Substantive FACULTY POSITION)	LECTURER IN ANTHROPOLOGY	VISVA BHARATI	1993-1998
	SENIOR LECTURER IN ANTHROPOLOGY	VISVA BHARATI	1998-2000
	READER IN ANTHROPOLOGY	UNIVERSITY OF CALCUTTA	2000-2008
	PROFESSOR IN ANTHROPOLOGY	UNIVERSITY OF CALCUTTA	2008-CONTINUING 2009-2021
	Former Convenor, PhD Research Advisory Board in Anthropology	UNIVERSITY OF CALCUTTA	

Research Guidance:

Number of researchers awarded MPhil / PhD Degree: PhD degree: 12 (Twelve)

Joint supervisor (Awarded): 03(Three)

[Supervision of MD dissertations in Anatomy, West Bengal Health University: 06 (six)]

Number of researchers pursuing for PhD Degree: 02 (Two)

Joint Supervisor: 05 (five)

Projects:

Completed Projects:

2018-2020	UGC UPE2 Major Research Project (PI): MODERN BIOLOGY: GROUP B: Nutritional & Environmental Hazards in Non-communicable Disease Project Title: Polycystic Ovarian Syndrome (PCO) and other Non-Communicable Diseases among the different ethnic groups of Eastern and North Eastern India: A Study on association of molecular heterogeneity, Body composition and lifestyle risk factors
2015-2017	UGC Minor research project (Co PI) Project Title: A Comparative Study on Household Space Sharing, Child Growth and the Relationship Between Adult Body Composition and Non-Communicable Diseases with Health Hazards In Three Ethnic Groups Of India
2012 - 2015	UGC-UKIERI (British Council) Project in collaboration with University of Edinburgh, UK (International) Project Title: Evolution of Hair Form
2011 – 2014	UGC Major Research Project (PI) (National) Project Title: Type 2 diabetes mellitus risk in adult Bengalee population: comparative evaluation of Anthropometric and Lifestyle Variables in Rural and urban areas of West Bengal, India
2007 – 2012	UGC-UPE Major Research Project (Co PI) (National) Project Title: Use of Forensic Science in administration of justice: A futuristic Study
2006 -2009	UGC Major Research Project (Co PI) (National) Project Title: On the variation of primate hair

2005 - 2010	SAP-DSA III Program <ul style="list-style-type: none"> ▪ Project Title: <i>A study on Anthropometric Diversity of Mundari and Dravidian Speaking Populations of Eastern India</i> ▪ Project Title: <i>A Study on variation of some of the hair histological variables of Human and Non-human Primates in India</i>
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2005-2010	UGC-ASIHSS Program Project Title: <i>A study on the risk factors of diabetes: an anthropometric approach</i>
2001-2004	SAP-DSA II Program Project Title: <i>Reproductive performance of Santal females of rural West Bengal</i>
1994-1995	Research grant for Academics, Visva-Bharati Project Title: <i>A Study on Growth and Nutritional Status of Santal Children of Ampukurdanga Village, Gopinathpur, Birbhum</i>

**Current
Project:
(2021-Onwards)**

NOVEL AND PATH BREAKING RESEARCH PROPOSALS (AREAS UNEXPLORED): ICSSR MAJOR RESEARCH PROJECT (PI):

Project Title: Chronic Non-Communicable Disease in Eastern and North Eastern India: Study on Average/ Deprivation/ Inequality (ADI) analysis

Outreach Programs

TV Talk:

- <https://youtu.be/DBGtwkN81G8> (Dated: June 4, 2020; Topic: Why females are less affected by COVID-19 than the Males?)
- https://youtu.be/k7g0_txx0g (Dated: June 10, 2020; Topic: Can Dead Bodies of COVID-19 Patients Transmit Novel Coronavirus Infection?) Newspaper:
- <http://www.eajkaal.in/epaperdetails/index/d200b0a8-c118c074-58ae9d43> (Aajkal Newspaper; Dated: 05/05/2020; Page: 4)
- <http://www.eajkaal.in/epaperdetails/index/d077e5e6-bfa396f1-67525b59> (Aajkal Newspaper; Dated: 12/07/2020; Page: 4)
- https://epaper.anandabazar.com/imageview_50702_42237842_4_71_29-08-2020_8_i_1_sf.html (Anandabazar Newspaper; Dated: 29/08/2020; Page: 8)
- <https://youtube.be/qMy9JwXz06s> (National Science Magazine Radioscope 124 December, 2023)

Select List of Publication:

- a) Journals:
[IMPACT FACTOR 0 – 4.824]

Area of Research, Major Publications and Supervision of PhD

HAIR STUDY: VARIATION OF PRIMATE AND EVOLUTIONARY BIOLOGY

1. Ghosh K, Chatterjee D and Bandyopadhyay Arup R. 2020. Sexual dimorphism and its forensic implications in human lanugo and vellus hair. *Forensic Research & Criminology International Journal* 8(6):233-235. (DOI: 10.15406/frcij.2020.08.00333)
2. Ghosh K, Chatterjee D, and Bandyopadhyay Arup R. 2020. Histomorphological and Quantitative Variation of Lanugo Hair. *Human Biology Review* 9(4): 328-333 (ISSN: 22774424)
3. Chatterjee Madhumati and Bandyopadhyay Arup R 2018. Hair Ultrastructure: A comparative study on Old World and New World monkey. *Human Biology Review*. 7(1): 28-33 (ISSN: 22774424)
4. Chatterjee Madhumati and Bandyopadhyay Arup R 2015. Inter-species relationship of Presbytis Monkeys based on Hair Medulla Structure. *Human Biology Review*. 4(3): 236-239 (ISSN: 22774424)
5. Chatterjee Madhumati and Bandyopadhyay Arup R 2014. Primate hair Variation: A study on quantitative traits. *Journal of Indian Anthropological Society*. 49(1), 141-147 [ISSN: 0019-4387]
6. Chatterjee M and Bandyopadhyay Arup R 2012. A Study on hair morphology and quantitative variations of Papio Hamadryas *Journal of the Department of Anthropology, University of Calcutta* Vol. 14: 144-150 (ISSN: 2249-6181)
7. Chatterjee Madhumati, Chanda Sudesna, Bandyopadhyay Arup R, Ghosh Jyoti Ratan. 2010. A Study on Evolutionary Biology of Hair Medullation in primates. *Journal of the Department of Anthropology, University of Calcutta* Vol. 12 & 13(No. 1 & 2): 1-9 (ISSN: 2249-6181)
8. Jayita Roy Tapadar, Bandyopadhyay Arup R. and Das Chaudhuri A.B. 2010. A Brief Report on Investigating into Intergeneric Relationship between Two Indian Cercopithecus Monkeys based on Hair Medulla Structure. *Journal of the Indian Anthropological Society*. 45:85-89 [ISSN 0019-4387]
9. Sanchita Mistry, Jyoti Ratan Ghosh and Bandyopadhyay Arup R. 2010. Histomorphological and Quantitative Characteristics of Black and Gray Human Scalp Hair. *Journal of Life Science*. 2(1): 49-52 (ISSN0975-1270)
10. Sudesna Chanda and Bandyopadhyay Arup R. 2006. Sexual dimorphism in the hair histological characters among the adult Bengali population of Kolkata. *Indian Journal of Physical Anthropology & Human Genetics* 25(2):111-117. (ISSN: 0378-8156)

PhD Awarded

- 2012: *On the variation of primate head hair*
(Dr. Sudeshna Chanda, Assistant Professor, Department of Anthropology, Bidhannagar Govt. College, Kolkata)
- 2014: *Study on the variation of Primate Hair: Approach to Evolutionary Biology*
(Dr. Madhumati Chatterjee, Assistant Professor, Department of Anthropology, Dr. A.P.J. Abdul Kalam Government College, Kolkata)
- 2021: *An investigation into the Relationship of Hair Growth with Structural Features of Cuticle Scale Pattern using Pigmented (Black) and Unpigmented (White) Human Scalp Hair*
(Dr. Loknath Ghosh, Department of Anthropology, Ramsaday College, Amta, Howrah)

Forensic Anthropology

11. Kusum Ghosh, Diptendu Chatterjee, Arkopala Bose, Sumit Maitra **Bandyopadhyay Arup R.** 2023. Estimation of Stature from Hand Dimensions: A Study on Sub-adult Female Bengalee Hindu Caste Population, West Bengal, India. *Indian Journal of Physical Anthropology & Human Genetics.* 42, (1): 37-43
12. Ghosh K, Bhattacharya P, Maitra S, Diptendu Chatterjee, **Bandyopadhyay Arup R.** 2018. Stature estimation from digit length, bi-acromian and bi-iliac length: a study among two populations from eastern and north eastern India. *Forensic Research and Criminology International Journal* 6(6):523-525. [DOI: 10.15406/frcij.2018.06.00253]
13. Ghosh Jyoti Ratan, Guin Rimpa and **Bandyopadhyay Arup R.** 2015. Estimation of stature from foot measurements. *Indian Journal of Research in Anthropology.* 1 (1): 25-30 [ISSN2454-9118]
14. Ghosh Jyoti Ratan and **Bandyopadhyay Arup R.** 2014. Estimation of Stature from Index and Ring Finger Lengths. *Indian Journal of Physical Anthropology & Human Genetics.* 33 (1): 23-29 [ISSN: 0378-8156]
15. Mistry Sanchita, Chatterjee Madhumati, Ghosh Jyoti Ratan, Chakrabarti N.K., **Bandyopadhyay Arup R.** 2012. Variations of Scalp, Pubic and Axial hair. *Anthropologischer Anzeiger* 69(1) 117-125 (ISSN 0003-5548, e-ISSN 2363-7099) [Germany] [PMID: 22338799]
16. Chakrabarti N. K., **Bandyopadhyay Arup R.** Das P. 2012. Use of Forensic Techniques of Polygraphy, Narcoanalysis and Brain Mapping under Indian Legal regime: A Review of Supreme Court Decision on Selvi case in Human Rights Perspectives. *Indian Human Rights and Law Review.* 3:13-27 (ISSN : 0973-0818)
17. Mistry Sanchita, **Bandyopadhyay Arup R.**, Chakrabarti N.K., Chatterjee Madhumati, Roy Tapadar Jayita., Ghosh Jyoti Ratan 2010. Histomorphological and quantitative study on black and gray hair in Bengalee Population. *Journal of Indian Academy of Forensic Sciences* 42(1&2): 32-40 (ISSN: 0579-4749)
18. **Bandyopadhyay Arup R.** 1999. Haptoglobin groups in paternity diagnosis. *Journal of Indian Academy of Forensic Sciences.* 38: 1&2: 44 – 48. (ISSN: 0579-4749)

Dental Anthropology

18. Chatterjee M and **Bandyopadhyay Arup R.** 2012. A Study on Nutritional Status and Dental Caries in Permanent Teeth among School Going Girl of Bengalee Population, India. *Advances in Anthropology.* 2 (3): 112-116 (ISSN Print: 2163-9353; ISSN Online: 2163-9361)

Public Health

Molecular heterogeneity and breast cancer

19. Ghosh Roy Abhishikta and **Bandyopadhyay Arup R.** 2020. Male Breast Cancer: A Study from Eastern India. Preprint (DOI: 10.13140/RG.2.2.33587.45605)
20. Ghosh Roy Abhishikta, Barman Malay, Roy R, B.N Sarkar and **Bandyopadhyay Arup R.** 2018. Breast Cancer and Abortions: A Study Among the Bengalee Females of West Bengal, India. *International Journal of Healthcare Sciences* 6 (2) 178-182. [ISSN 2348-5728 (Online)]
21. Ghosh Roy Abhishikta, Purkait P, Raha O, Das G, Barman Malay, Roy R, B.N Sarkar and **Bandyopadhyay Arup R.** 2015. Association between the Polymorphism of the Angiotensin - Converting Enzyme Gene and Breast Cancer Risk among the Bengalee Caste Hindu Females of West Bengal, India. *International Journal of Forensic Science & Pathology.* 3(2): 85-88 [ISSN 2332-287X] (SciDoC Publishers. ICV: 5.5)
22. Ghosh Roy Abhishikta, Pulakes Purkait, Malay Barman, Biswanath Sarkar and **Bandyopadhyay Arup R.** 2014. Association of Lifestyle Variables with The Novel Mutation of BRCA1 Gene in Breast Cancer: A Case control Study among the Bengalee Hindu Females of West Bengal, India. *World Journal of Pharmacy and Pharmaceutical Sciences.*3(6):1213-1225 [ISSN: 2278 – 4357] [SJIF - Scientific Journal Impact Factor (2.786)]
23. Abhishikta Ghosh Roy, BN Sarkar, Rakesh Roy, VR Rao, **Bandyopadhyay Arup R.** 2012. Absence of P53 Gene Mutations in Exons 5 - 7 among Breast Cancer Patients of Bengalee Hindu Caste Females, West Bengal, India. *Asian Pacific Journal Cancer Prevention* 13: (9): 4477-4479 [ISSN:1513-7368 (print); ISSN: 1513-7368 (online) [PMID: 23167364]

PhD Awarded:

2014: *A Study on BRCA1 and BRCA2 Genes among the Bengalee Hindu Female Breast Cancer Patients of West Bengal, India*

[Dr. Abhishikta Ghosh Roy, Anthropologist (Physical), Anthropological Survey of India, Govt. of India (Ministry of Tourism & Culture) Nagpur]

Cytogenetics (inactivated x Chromosome) and Breast cancer

24. Khriesivonuo Nakhro, Kusum Ghosh, Diptendu Chatterjee, **Bandyopadhyay Arup R.** (2022). A study on nutritional status among the adult Garo's of West Garo Hills, North East India. *Journal of the Anthropological Society of Serbia*, 55:19-25. DOI.org/10.5937/gads55-33508
25. Khriesivonuo Nakhro, Diptendu Chatterjee, **Bandyopadhyay Arup R.** (2023). Breast cancer subtypes based on ER/PR and HER2 expression exploration and its comparison with different ethnic population. *International Journal of All Research Education and Scientific Methods*, 11 (5):119-122. DOI.org/10.56025/IJARESM.2023.11523119
26. Khriesivonuo Nakhro, Abhishikta Ghosh Roy, Diptendu Chatterjee, **Bandyopadhyay Arup R.** 2023. Women's knowledge and practice towards breast cancer in Nagaland, North East India. *Journal of the Anthropological Survey of India.* (ACCEPTED)
27. Mukherjee Koel, Burman M and **Bandyopadhyay Arup R.** 2014. Prevalence of Sex Chromatin in Bengalee Caste Hindu Females: Study on Interrelationship of Hormones. *International Journal of Physical and Social Sciences.* 4 (11), 68-76 (ISSN: 2249-5894)
28. Mukherjee Koel, Pulamaghatta N. Venugopal, Barman Malay Kumar and **Bandyopadhyay Arup R.** 2014. Sex chromatin frequency variation among breast cancer patients and normal females of two reproductive stages from Bengalee Hindu females. *International Journal of Biological and Medical Research.* 5(3): 4150-4155 [ISSN:0976-6685] [ICV 4.32 (2010)]
29. Mukherjee Koel, Barman Malay Kumar and **Bandyopadhyay Arup R.** 2014. Sex Chromatin Prevalence in Bengalee Hindu Females: A Comparative Study on Breast Cancer. *International Journal of Public Health Research & Management.* 1(1): 1–6 [ISSN (Online): 2319-5509]

PhD Awarded:

- 2015: *Sex Chromatin Prevalence in Bengalee Hindu Caste Females: A Comparative Study of Breast Cancer* (Dr. Koel Mukherjee, Anthropologist (Physical), Anthropological Survey of India, Ministry of Culture, Andaman)

PhD Registered:

- 2019: *Socio-demographic and genetic risk factors of breast cancer: A study in Nagaland, North East India* (Khriesivonuo Nakhro, Junior Research Fellow (UGC- NET), Department of Anthropology, University of Calcutta) (Joint Supervisor) (Submitted)

Dermatoglyphics and Medical Disorder

27. Dey B, Chatterjee D, Das P, **Bandyopadhyay Arup R.** 2023 Abnormal Palmar Flexion Creases (APFCs) and Autism: A Dermatoglyphic Investigation. *Journal of Psychology & Psychotherapy.*13:451: 1-5 DOI: 10.35248/2161-0487.23.13.451
28. Piyali Das, Biswarup Dey, **Bandyopadhyay Arup R** and Diptendu Chatterjee, .2023, Role of finger dermatoglyphics in prognosis of Gastric Cancer among the Bengalee population of West Bengal, India, *Journal of Cancer Research and Cellular Therapeutics*, 7(4): 1-5. DOI:10.31579/2640-1053/151
29. Dey B, Chatterjee D, Das P, **Bandyopadhyay Arup R.** 2023. Sexual dimorphism of papillary number (PN) and main line index (MLI) among autistic patients of West Bengal, India. *Journal of Paediatrics & Neonatal Care (JPNC).* 13(2):113-115. (eISSN: 2373-4426) DOI: 10.15406/jpnc.2023.13.00501

30. Dey B, Chatterjee D, Das P, **Bandyopadhyay Arup R**. 2023. Hypothetical Patterns and Autism: A Dermatoglyphic Study. *International Journal of School and Cognitive Psychology* 10(4): 1-3. [ISSN: 2469-9837] DOI: 10.35248/2469-9837.23.10.295
31. Dey B, Das P, Chatterjee D, **Bandyopadhyay Arup R**. 2020. A Study on The Transition of Main Line Formula over the decades among the Bengalee Hindu Population of West Bengal, India. *Indian Journal Physical Anthropology & Human Genetics* 39(1): 9-13 [ISSN: 0378-8156]
32. Dey B, Das P, Ghosh JR, **Bandyopadhyay Arup R**. 2017. A study on C Line polymorphism among the Autistic patients of Bengalee Hindu Caste Population. *Journal of the Department of Anthropology, University of Calcutta* Vol. 16-17 (1 & 2): 59-65. (ISSN: 2249-6181)
33. Ghosh JR, Ghosh Dastidar P, Dey B, Das P, **Bandyopadhyay Arup R**. 2017. Palmar dermatoglyphic traits in type 2 diabetes mellitus patients of Bengalee Hindu caste population of West Bengal, India: a cross-sectional study. *Journal of Biomedical Sciences* 3(2):18-23 (ISSN: 1021-7770. E-ISSN:1423-0127) (IMF 1.008)
34. Dey B, Das P, Ghosh JR, **Bandyopadhyay Arup R**. 2017. A study on C Line polymorphism among the Autistic patients of Bengalee Hindu Caste Population. *Journal of the Department of Anthropology, University of Calcutta*, 16-17 (1 & 2): 59-65. (ISSN: 2249-6181)
35. Ghosh JR, Ghosh Dastidar P, Dey B, and **Bandyopadhyay Arup R**. 2016. Finger and Palmar Ridge Pattern in NIDDM Patients and Controls. *Human Biology Review*: 5(1)86-191 [ISSN: 2277 4424]
32. Biswarup Dey, Jyoti Ratan Ghosh, Piyali Das, and **Bandyopadhyay Arup R**. 2015. A study on transpalmar distance among the autistic males of Bengalee Hindu caste population of West Bengal, India. *Clinical Dermatology*. 3: 41-43. [CIC Edizioni Internazionali ,Italy]
33. Das Piyali and **Bandyopadhyay Arup R**. 2015. 2D:4D Finger Ratio among the E Beta Thalassemia Males of Bengalee Hindu Caste Population, West Bengal, India. *European Journal of Biomedical and Pharmaceutical sciences*. 2(4): 389-392 [ISSN 2349-8870] [SJIF Impact Factor: 3.881]
34. Das Piyali, Ghosh Jyoti Ratan and **Bandyopadhyay Arup R**. 2015. Association of Finger Ridge Pattern and E-Beta-Thalassemia: A Study on Bengalee Population of West Bengal, India. *Advances in Anthropology*. 5: 19-21 (ISSN Print: 2163-9353; ISSN Online: 2163-9361)
35. Das Piyali and **Bandyopadhyay Arup R**. 2014. A Study on Main Line Index among the E-β Thalassemia Patients of Bengalee Hindu Caste Populations of West Bengal, India. *The Indian Journal of Anthropology*. 2: 85-94. [ISSN 2320-3757]
36. Biswarup Dey, Jyoti Ratan Ghosh and **Bandyopadhyay Arup R** 2014. A Study on palmar axial triradius among the Autistic Patients of Bengalee Hindu caste Population of West Bengal. *International Journal of Biomedical Research* 5 (11): 715-716 [ISSN 0976-9633] [NLM Unique ID: 101608876]
37. Jyoti Ratan Ghosh, Madhumati Chatterjee, Wasim Raja and **Bandyopadhyay Arup R**. 2011. Study on Finger and Palmar Dermatoglyphics among the Sunni Muslims of West Bengal. *The Anthropologist* 13(2):107-109 [ISSN: 0257- 7348]

PhD Thesis Awarded

- **2018: A Study on Dermatoglyphics Traits in Bengalee Hindu Caste Population with Special Reference to Thalassemia (Dr. Piyali Das, Assistance Professor, Department of Anthropology, Dinabandhu Mahavidyalaya, Bongaon)**
- **2021: Dermatoglyphic Traits and Autism: A Study on Bengalee Hindu Caste Population (Joint supervisor) (Dr. Biswarup Dey, Assistant Social Development Manager (ASDM), ISGPP II, P & RD Dept., Govt. of West Bengal).**

Genetic marker Polymorphism and disease/disorder (Medical Genetics) & Population Genetics

38. Pranabesh Sarkar, Diptendu Chatterjee & **Bandyopadhyay Arup R**. 2021. Effect of MTHFR (rs1801133) and FTO (rs9939609) genetic polymorphisms and obesity in T2DM: a study among Bengalee Hindu caste population of West Bengal, India, *Annals of Human Biology*, (DOI: 10.1080/03014460.2021.1876920)
39. Sarkar P, Chatterjee D, **Bandyopadhyay Arup R**. 2020. Association of CAPN10 (SNP-19) genetic polymorphism and obesity with T2DM: A study on Bengali Hindu caste population. *International Journal of Diabetes in Developing Countries*. (DOI: 10.1007/s13410-020-00861-0).
40. Sarkar P, Chatterjee, D, **Bandyopadhyay Arup R**. 2020. Association of CAPN10, FTO, PPAR, MTHFR gene polymorphisms and obesity with type 2 diabetes mellitus: A study on the Bengalee Hindu caste population of West Bengal, India. *Endocrine Abstracts*. (DOI: 10.1530/endoabs.70.EP221).
41. Sarkar P, Chatterjee D, **Bandyopadhyay Arup R**. 2020. The risk of T2DM with Alcohol consumption, Smoking, Hypertension and Family History of Hypertension: A Study on Bengalee Hindu Caste Population. *Antrocom Online Journal of Anthropology*. 16(1): 197-201.
42. Sarkar P, Chatterjee D, **Bandyopadhyay Arup R**. 2020. Association of PPARG (rs1801282) genetic polymorphism and obesity with T2DM: A study on Bengalee Hindu caste population of West Bengal, India. *Meta Gene* February 2020 (DOI: 10.1016/j.mgene.2020.100662)
43. Bhattacharya P, Chatterjee D, Sarkar P, Ghosh K, **Bandyopadhyay Arup R**. 2019. Association of fat patterning, type 2 diabetes mellitus and MTHFR gene polymorphism: a study among the two ethnic groups of Tripura, North-East India. *European Journal of Clinical and Experimental Medicine* 17(3):209–213. (DOI: 10.15584/ejcem.2019.3.2)
44. Ghosh K, Sarkar P, Chatterjee D, **Bandyopadhyay Arup R**. 2018. Association of fat patterning, hypertension and ACE (I/D) gene polymorphism: a study on two Tibeto-Burman linguistic group of Tripura, North East India. *MOJ Anatomy & Physiology* 5(6):368–371. [DOI: 10.15406/mojap.2018.05.00227].
45. Das Priyanka, Sarkar Pranabesh, Chatterjee Diptendu, **Bandyopadhyay Arup R**. 2018. Genetic Variation and Population structure: A study on four populations of Tripura, North East India. *Asian Journal of Medical Sciences*. 9(3): 45-48 (E-ISSN: 2091-0576; P-ISSN: 2467-9100) DOI: 10.3126/ajms.v9i3.19492
46. Sarkar Pranabesh, Dutta Piyali, Chatterjee Diptendu and **Bandyopadhyay Arup R**. 2018. Genetic Variation and Population structure: A study on the Tipuris and Hrangkhawls of Tripura. *Journal of Indian Anthropological Society*. 53: 21-27 [ISSN 0019- 4387]
47. Sarkar Pranabesh, Das Priyanka, Dutta Tamal, Chatterjee Diptendu and **Bandyopadhyay Arup R**. 2018. Association of ABO Blood Group with the Prognosis of Gynecological Cancer Patient: A Study on Bengali Hindu Caste Group of West Bengal, India. *Indian Journal of Gynecology and Oncology* 16: 12: 1-5 (https://doi.org/10.1007/s40944-018-0180-2). (Print ISSN 2363-8397. Online ISSN 2363-8400) (Springer India)
48. Sarkar Pranabesh, Chatterjee Diptendu and **Bandyopadhyay Arup R**. 2016. A Study On The Association Of ACE I/D Gene Polymorphism, Obesity, Blood Pressure And Susceptibility Of Type 2 Diabetes Mellitus Among The Kurmis Of West Bengal, India. *Journal of Immunology and Genealogy*. 1: 1-8
49. Ghosh Roy Abhishikta, Purkait P, Raha O, Das G, Barman Malay, Roy R, B.N Sarkar and **Bandyopadhyay Arup R**. 2015. Association between the Polymorphism of the Angiotensin - Converting Enzyme Gene and Breast Cancer Risk among the Bengalee Caste Hindu Females of West Bengal, India. *International Journal of Forensic Science & Pathology*. 3(2): 85-88 [ISSN 2332-287X]
50. Ghosh Roy Abhishikta, Sarkar Pranabesh and **Bandyopadhyay Arup R**. 2015. Haptoglobin Polymorphism and Diabetic Nephropathy: A Study among the Bengalee Hindus of West Bengal. *World Journal of Pharmaceutical Sciences*. 3: 628-631. [ISSN (Print): 2321-3310; ISSN (Online): 2321-3086] [SJIF - Scientific Journal Impact Factor (2.786)]
51. C. Ravel, B. El Houate, S. Chantot, D. Lourenço, A. Dumaine, H. Rouba, **Bandyopadhyay Arup R**, U. Radhakrishna, J. Mandelbaum, J. P. Siffroi and McElreavey K.. 2006. Haplotypes, mutations and male fertility: the story of the testis-specific ubiquitin protease USP26. *Molecular Human Reproduction* 12, (10) 643–646 [PMID: 16888075] (IMF: 3.747) (Oxford Journal)
52. **Bandyopadhyay Arup R**. and Jayita Ghoshal Roy: 2005: Interaction between Haptoglobin subtypes and ABO Blood Groups in a Bengalee Population. *Anthropologischer Anzeiger* 63: 3: 335-340 [PMID: 22338799] [Germany]
53. Ghosh Jyoti Ratan and **Bandyopadhyay Arup R**.: 2005. ABO Blood Groups and Cancer in a Bengalee Populations. *Indian Journal of Physical Anthropology & Human Genetics* 24: 69-73 (ISSN: 0378-8156)
54. **Bandyopadhyay Arup R**: 2002: A study on Kell and Duffy Blood group Systems in a Bengali Population. *South Asian Anthropologist* 2: 59-62 [ISSN: 0257-7348]
55. Hoque J & **Bandyopadhyay Arup R**.: 1995: PTC taste sensitivity among the Muslims of Calcutta. *Journal of Human Ecology* 2 (6): 151 – 153. [ISSN:0970-9274]
56. **Bandyopadhyay Arup R**.: 1994: A Study on Blood Groups and Serum Proteins in Bengalee Population in Calcutta. *Anthropologischer Anzeiger*. 52: 215–219 [PMID: 22338799] [Germany]

57. **Bandyopadhyay Arup R.**: 1994: A Mother-child Combination Analysis for ABO – HP interaction in a Bengalee Population. *Human Heredity* (International Journal of Human and Medical Genetics) 44: 68 – 71. [ISSN: 0001-5652 (Print); e-ISSN: 1423-0062 (Online);DOI: 10.1159/issn.0001-5652] [IMF: 1.474] [Karger, Basel, Switzerland]
58. Roy Choudhury A B and **Bandyopadhyay Arup R.**: 1994: A note on six blood groups (A, A, BO, Rh, MNS, Kell, Duffy) in a Bengalee Population. *Bull. Department of Anthropology, University of Calcutta*, pp 95 – 100.
59. **Bandyopadhyay Arup R.**: 1993: A Parental Combination Analysis for ABO – HP Interaction in a Bengali Population. *Human Genetics* 91(14): 377 – 379. [ISSN: 0340-6717 (Print) 1432-1203 (Online)] [IMF: 4.824] [Springer Publication]
60. Hoque J. and **Bandyopadhyay Arup R.**: 1993: A Study on red cell 'H' substance in Muslims. *Journal of Human Ecology* 4(2): 151 –154.
61. **Bandyopadhyay Arup R.**, Banerjee A.R. & Banerjee S.: 1992: Haptoglobin Subtypes in a Bengalee Population Sample. *Anthropologischer Anzeiger*. 4: 303 – 305. [PMID: 22338799]
62. **Bandyopadhyay Arup R.**: 1992: Interaction between ABO and Haptoglobin Systems in a Bengalee Population. *Human Heredity* 42: 201 –203 [ISSN: 0001-5652 (Print); e-ISSN: 1423-0062 (Online); DOI: 10.1159/issn.0001-5652] [IMF: 1.474] [Karger, Basel, Switzerland]

PhD Awarded:

- **Association of CAPN10, FTO, PPAR, MTHFR gene polymorphisms, obesity and susceptibility of Type2 Diabetes Mellitus: A Study on the Bengalee Hindu Caste population of West Bengal, India**
[Dr. Pranabesh Sarkar, Department of Forensic Science, National University of Juridical Sciences, Kolkata)

Reproductive Health

63. Ghosh Kusum, Chatterjee Diptendu and **Bandyopadhyay Arup R.** 2024. Association of Digit Ratios (2D:4D) and age at Menopause: Possibility of an Economizing Biomarker. *Anthropologie* (In Press)
64. Ghosh Kusum, Chakraborty S, Chatterjee Diptendu and **Bandyopadhyay Arup R.** 2023. Salivary Microbial Diversity: An Investigation on Possible Biomarkers for Polycystic Ovarian Syndrome from Eastern India. *European Journal of Clinical and Experimental Medicine*. Vol 21(4) (Online)DOI:10.55584/ejcem.2023.4.12
65. Nakhro, K., Roy, A. G., Chatterjee, D., & **Bandyopadhyay Arup R.** (2023). Women's Knowledge and Practice Towards Breast Cancer in Nagaland, Northeast India. *Journal of the Anthropological Survey of India*, <https://doi.org/10.1177/2277436X231195137>
66. Ghosh Kusum, Chatterjee Diptendu and **Bandyopadhyay Arup R.** 2022. An Anthropological appraisal of polycystic ovarian syndrome. *Journal of Indian Anthropological Society* 57(3): 282-294 (ISSN 0019- 4387)
Das Priyanka, and **Bandyopadhyay Arup R.** Ghosh JR. 2020. Segmental Body Composition and its Association with Age and Menopausal status. *Acta morphologica et anthropologica*, 27 (1-2) ISSN1311-8773(print) ISSN 2535-0811(online)
64. Debnath Samarpita, Mallick Akash, Ghosh Anushka, Basu Ipsita and **Bandyopadhyay Arup R.** 2020. Socio-economic and reproductive concomitants of abdominal adiposity and hypertension: A study on Bengali-speaking Hindu women of Habra, North 24 Parganas, West Bengal, India. *Anthropological Review* 83(2), 209–223
65. Roy A G., Sarakar BN and **Bandyopadhyay Arup R.** 2018. Oral Contraceptives and Breast Cancer risk: A Study among the Bengalee females of West Bengal. *Cell & Cellular Life Science Journal*. 3(1): 1-4
66. Mukherjee Koyel, Chatterjee Diptendu, **Bandyopadhyay Arup R.** 2018. X Chromatin inactivation in Menopause: A study on Hindu caste Bengalee population. *Asian Journal of Medical Sciences*. 9(3): 41-44 (E-ISSN: 2091-0576; P-ISSN: 2467-9100) DOI: 10.3126/ajms.v9i3.19434
67. Das D, Mukherjee G, Sarkar P, Sil AK, Chatterjee D and **Bandyopadhyay Arup R.** 2016. Association of Earwax type, Colostrums secretion and Types of human Axillary Microbiom: A study on Bengalee Hindu Caste females of West Bengal, India. *Human Biology Review*, 5(4), 465-470. (ISSN: 22774424)
68. Chatterjee Diptendu and **Bandyopadhyay Arup R.** 2015. A preliminary study on perception of cervical cancer. *International Journal of Scientific and Research Publications*. 5: 1-4 [ISSN 2220-3153]
69. Chatterjee Diptendu and **Bandyopadhyay Arup R.** 2015. A study on use of contraceptive and awareness among the Bengalee population of Kolkata. *International Journal of Social Science & Interdisciplinary Research*. 4 (7): 61-66 [ISSN 2277-3630]
70. **Bandyopadhyay Arup R.**, Diptendu Chatterjee, Madhumati Chatterjee, Jyoti Ratan Ghosh. 2011. Maternal Fetal Interaction in the ABO system: A Comparative Analysis of Healthy Mother and Couples with Spontaneous Abortion in Bengalee Population. *American Journal of Human Biology*. 23:76-79. [PMID: 21080445] [Online ISSN: 1520-6300] [IMF: 1.70] [Wiley online Library] (doi: 10.1002/ajhb.21102.)
71. Ghosh JR, Basak S and **Bandyopadhyay Arup R.** 2009 A study on nutritional status among young adult Bengalee females of Kolkata: effect of menarcheal age and per capita income. *Anthropologischer Anzeiger* 67:13-20 [PMID: 19462671] [Germany]
72. Jyoti Ratan Ghosh and **Bandyopadhyay Arup R.** 2005. Age at menarche and its relationship with some anthropometric variables among Bengalee females of West Bengal, India. *Indian Journal of Physical Anthropology & Human Genetics*. 24(2): 177-185. [ISSN: 0378-8156]
73. **Bandyopadhyay Arup R** and Ghoshal Roy J. 2002. A Study on the Role of Haptoglobin in Haemolytic Disease of the Newborn *International Journal of Human Genetics*, 2: 187-195. [ISSN: 0378-8156].
74. **Bandyopadhyay Arup R.**: 1995: A study on Haptoglobin groups and birth weight in a Bengalee Population. *American Journal of Human Biology* 7: 711 – 714. [Online ISSN: 1520-6300] [IMF: 1.70] [Wiley online Library] (doi:10.1002/ajhb.1310070605)
75. **Bandyopadhyay Arup R.**: 1992: A Study on Fetal Wastage and Blood Groups in Bengalee Population. *Journal of Human Ecology* 3(2): 159 – 161 [ISSN:0970-9274]
76. **Banerjee Arup R.**, Banerjee A.R. Banerjee S. 1987: A study on Haptoglobin in relation to Birth Weight. *Indian Journal of Physical Anthropology & Human Genetics* 13(1): 1-8. [ISSN: 0378-8156]

PhD Awarded:

- **2008: Study of Reproductive Life of the Santal females of West Bengal and Bangladesh (Visva Bharati)**
(Dr. Manshi Das, Tripura University, Agartala, Tripura)

PhD Registered

- **2019: Breastfeeding behaviour and Genetic variation of ABCC11 gene and SLC30A2 gene in East and North East population of India**
(Debasree Das, JRF (UGC-NET), Department of Anthropology, University of Calcutta)
- **2021: Polycystic Ovarian Syndrome: An investigation on Obesity, Genetic Polymorphisms and Microbial Diversity in Eastern (West Bengal) and North-Eastern (Tripura), India**
(Kusum Ghosh, JRF (UGC-NET), Department of Anthropology, University of Calcutta) [Joint supervisor]

Tribal/Community Health, Nutritional status, sports science and Occupational Health

77. Das Debasree and **Bandyopadhyay Arup R.** 2023. Breast-Feeding Knowledge and Practices of North-Eastern Ethnic Groups of India: An Integrative Review. *Bulletin For Technology and History Journal*. 23 (8): 203-211 (ISSN: 0391-6715) DOI: 10.37326/bthnlv22.8/1270
78. Das Epsita, Nandy Priasmita, Kusum Ghosh, Pranabesh Sarkar, Diptendu Chatterje, **Bandyopadhyay Arup R.** 2023. Obesity and non-communicable Disease: Estimation of Optimal Obesity Cut- Offs Among Karbi Females of Karbi Anlong District, Assam, North East India *International Journal of Medical Science and Advanced Clinical Research*. 6(3): 135-142 (ISSN2581-3633, NLM ID 101745081)

79. Chaudhuri Rima, Das Priyanka, Sarkar Pranabesh, Chatterjee Diptendu and **Bandyopadhyay Arup R.** 2020. Estimation of Optimal Obesity Cut-Offs Among Tripuri and Halam Women of Tripura, Northeast India. *Papers on Anthropology* XXIX/2: 83–91 [SSN 1406-0140 (print), ISSN 1736-7646 (online)]
80. Parikshit Chakraborty, Sutapa Chaudhury, **Bandyopadhyay Arup R.** 2019. Socio-economic Conditions among the Urban Oldest-Old Females: A Gerontological Study in Medinipur Municipal Town, West Bengal. *Arthshastra Indian Journal of Economics & Research* 8 (5): 7-15 (DOI: <http://dx.doi.org/10.17010/aijer%2F2019%2FV8i5%2F149678>)
81. Dey Saheli, Sarkar Pranabesh, Chatterjee Diptendu, **Bandyopadhyay Arup R.** 2018. Anthropology of Microbes: A Study on Kitchen Micro Flora from West Bengal, India. *International Journal of Microbiology and Application* 5(3): 46-49 [ISSN Print: 2381-442X; ISSN Online: 2381-4438]
82. Ghosh Roy, Abhisikta, Maity Madhuparna, Dasgupta Monimekhla and **Bandyopadhyay Arup R.** 2016. Childhood obesity: A study among the two Socio-economic groups of Kolkata, West Bengal. *Journal of Social Science and Humanities Research*. 1 (11) 22-29 [ISSN:2456-2971]
83. Chatterjee Diptendu, Chanda Sudesna and **Bandyopadhyay Arup R.** 2005. Comparative study on Anthropometry and central body fat distribution of pre-menarcheal and post-menarcheal Santal girls of Jharkhand. *Tribes and Tribal Studies*. 3(2): 133-136 [ISSN:0972-639X]
84. Ghosh A., Chatterjee D., **Bandyopadhyay Arup R.** and Das Chaudhuri A. B. 2006. Age and sex variation of Body Mass Index and Waist Circumference among the Santal children of Jharkhand. *Anthropologischer Anzeiger* 64: 83-89. [PMID: 16623091] [Germany]
85. Diptendu Chatterjee, Jyoti Ratan Ghosh, Sudeshna Chanda, and **Bandyopadhyay Arup R.** 2006. Relationship between anthropometric measurements and body composition among Santal girls aged between 6-18 years of Galudih, Jharkhand, India. *The Anthropologist*. 8(4): 241-243. [ISSN: 0972-0073]
86. **Bandyopadhyay Arup R** and Saha Atrayee.: 1999: A study on nutritional assessment among Oraons of Dhultikuri Village, Birbhum District, West Bengal. *Bull. Dep. of Anthropology, Dibrugarh University, Assam* Vol. 27: 74 – 82. [ISSN: 0976-2264]
87. Hoque J. and **Bandyopadhyay Arup R.**: 1992: Consanguinity among the Muslims of West Bengal, India. *Journal of Indian Anthropological Society* 27(1): 90 – 94. [ISSN 0019-4387]
88. **Bandyopadhyay Arup R.**: 1992: Malaria – A Biosocial Profile. *Journal of Save the Environment*. 1 (2): 58 – 61

PhD Awarded:

- **2010: Anthropometry and body composition in Mundari and Dravidian speaking populations of India**
(*Dr. Diptendu Chatterjee Associate Professor, Department of Anthropology, University of Calcutta, former Deputy Registrar (Acting)*)
- **2021: Socio-Demographic and Health Profiles of Rural Oldest-Old Population: An Anthropological Study in Paschim Medinipur District, West Bengal, India**(*Dr. Parikshit Chakraborty, Research Investigator, Backward Class welfare department (Culture Research Institute), Govt. of West Bengal*)
- **2021: Health Condition and Disease of the Aged: A Study on Bhumij and Santals of West Bengal, India. (Joint Supervisor)**
[Dr. Swapan Kumar Sardar, Assistant Professor, Department of Anthropology, Habra Sree Chaitnya College, 24 Pgs (NJ)]
- **2021: Kinanthropometric Profile of Sports Persons of North East India (Joint Supervisor)**
[Dr. Dipti Mondal, Senior Sports Scientist, Sports Authority of India, Kolkata]

ANTHROPOMETRY: NON-COMMUNICABLE DISEASE AND OCCUPATIONAL DISORDER

87. Kheto S, **Bandyopadhyay Arup R**, Mukherji D, Bharati P, Bhakta A and Mukherjee A. 2019. A Study on the Relationship between 2D:4D Ratio and Breast Cancer among Bengalee Hindu Women. *Human Biology Review*, 8 (2), 135-145. (ISSN 22774424)
88. Das P, **Bandyopadhyay Arup R** and Ghosh JR. 2019. Association between measures of obesity and hypertension in premenopausal urban Bengali women. *Human Biology Review*, 8 (2), 115-125. (ISSN 22774424)
89. Chatterjee D and **Bandyopadhyay Arup R.** 2017. Patterning of Body Mass Index and Arm Span based BMI in Fisherman Community of Sunderban Delta, India. *Genus Homo*. 1: 32-42 (Department of Anthropology, West Bengal State University).
90. Jyoti Ratan Ghosh, Swastika Roy and **Bandyopadhyay Arup R.** 2016. Anthropometric Indicators as Predictor of Hypertension in Immigrant Tamil Women. *Indian Journal of Research in Anthropology*. 2(1): 29-33 [p-ISSN 2454-9118; e-ISSN 2455-829X]
91. Ghosh Jyoti Ratan and **Bandyopadhyay Arup R.** 2013. Central adiposity and the risk of hypertension in Asian Indian girls. *World Journal of Pediatrics*. 9(3):256-260. [PMID: 23775682] [doi: 10.1007/s12519-013-0424-2] [IMF:1.36] [Springer Publication]
92. Ghosh Jyoti Ratan and **Bandyopadhyay Arup R.** 2012. Abdominal Circumference as a Screening Measure for Type 2 Diabetes. *Kathmandu University Medical Journal* 10(4):12-15. [PMID: 23575045]
93. **Bandyopadhyay Arup R** and Jyoti Ratan Ghosh. 2010. Body Mass Index and Excess Adiposity. *Journal of the Department of Anthropology, University of Calcutta*. 12&13: 26-28
94. Diptendu Chatterjee, Jyoti Ratan Ghosh and **Bandyopadhyay Arup R.** 2010. A Study on the Association between Risk Score of CHD and Obesity Measures. *Journal of the Department of Anthropology, University of Calcutta*. 12&13: 47-50 (ISSN: 2249-6181)
95. Ghosh JR and **Bandyopadhyay Arup R.** 2009. Prevalence of Thinness and Overweight among Urban Adolescents of West Bengal, India. *Journal of Tropical Pediatrics* [PMID: 19203987] Feb 8 (doi:10.1093/tropj/imp002) [IMF:1.256]
96. Chatterjee, Diptendu and **Bandyopadhyay Arup R.** 2009. Non-communicable disease and health hazards in Bengali population: a major public health issue in India. *Journal of Human Ecology* 25: 143-146. [ISSN: 0970-0972]
97. Ghosh JR, Basak S., Mistry S., Ghosh Roy A., Basak, S and **Bandyopadhyay Arup R.** 2008. Relationship between Adipose Tissue Distribution and Fat Mass in Bengalee Males of Howrah, West Bengal. *Journal of the Indian Anthropological Society* 43:287-292 [ISSN 0019-4387]
98. Khatoun Z, Tapadar JR, Chatterjee D, Chanda S, Ghosh JR, **Bandyopadhyay Arup R.** 2008. Relationship between anthropometric measures and body composition among Muslim females of West Bengal, India. *Anthropologischer Anzeiger* 66 (3):349-353. [PMID: 18924572] (Included in Worldscience.Org as Sample records for including anthropometric measurements)
99. Ghosh JR and **Bandyopadhyay Arup R.** 2007. Receiver operating characteristic curve analysis of BMI in assessing obesity among adult Bengalee males in India. *Collegium Anthropologicum*. 31:705-708. [PMID: 18041377] [ISSN: 1848-9486] [INSTITUTE OF ANTHROPOLOGICAL RESEARCH, ZAGREB]
100. Ghosh JR and **Bandyopadhyay AR.** 2007. Waist circumference as a measure of total body fat in Asian Indians. *International Journal of Body Composition Research* 5 (3): 89–92 [ISSN: 1479-456X]. [Publisher: Smith Gordon, UK]
101. Jyoti Ratan Ghosh and **Bandyopadhyay Arup R.** 2007. Comparative evaluation of obesity measures: relationship with blood pressures and hypertension. *Singapore Medical Journal*. 48: (3): 232-235. [PMID: 17342293] [ISSN: 0037-5675] [IMF: 0.597]
102. Jyoti Ratan Ghosh and **Bandyopadhyay Arup R.** 2006. Income, birth order, siblings and anthropometry. *Human Biology*. 78(6): 733-741. [ISSN0018-7143] [Wayne State University Press, USA] [IMF:1.522]
103. Ghosh Jyoti Ratan and **Bandyopadhyay Arup R.** : 2005: A Study on Cormic Index among Semi-Urban Bengalee Boys of West Bengal, India. *Collegium Anthropologicum* 29: 1: 33-36 [PMID: 16117296] [ISSN: 1848-9486] [INSTITUTE OF ANTHROPOLOGICAL RESEARCH, ZAGREB]
104. Jyoti Ratan Ghosh and **Bandyopadhyay Arup R.** 2005. A study on nutritional status among 6 to 12 years semi-urban Bengalee boys of West Bengal. *Journal of the Department of Anthropology, University of Calcutta*. 9(1-2) 121-125. (ISSN: 2249-6181)

PhD Awarded:

- 2008: **A Study on Anthropometric Variables and their Relationship with Some Metabolic and Physiological Risk Factors of Type-2 Diabetes Mellitus among Adult Bengalee Hindu Males Of West Bengal, India**
(Dr. Jyoti Ratan Ghosh, Assistant Professor, Department of Anthropology, Visva Bharati)
- 2020: **Anthropometry and blood pressure in adult women: a comparative evaluation of their relationship in two ethnic groups of West Bengal, India**
(Dr. Priyanka Das, Sports Scientist, Assistant Professor, Department of Anthropology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Odisha)

PhD Registered

- 2023: **Nutritional Status, and Occupational Health in the context of Musculoskeletal Disorder: An Investigation on Auto-Rickshaw Drivers of 24 Parganas (N), West Bengal** (Priyanka Das, Junior Research Fellow UGC-NET, Department of Anthropology, University of Calcutta) [Joint Supervisor]

COMMUNICBLE DISEASE AND PANDEMICS

105. **Bandyopadhyay Arup R**, Chatterjee D, Ghosh K, Sarkar P. 2020. COVID 19: An Epidemiological and Host Genetics Appraisal. *Asian Journal of Medical Sciences*. 11(3): 71-76. (DOI: <https://doi.org/10.3126/ajms.v11i3.28569>)
106. **Bandyopadhyay Arup R.**, Diptendu Chatterjee, Kusum Ghosh, Pranabesh Sarkar. 2020. COVID 19: An Epidemiological and Host Genetics Appraisal. *Asian Journal of Medical Sciences*. 11(5): 116-117. (DOI: [10.3126/ajms.v11i5.29916](https://doi.org/10.3126/ajms.v11i5.29916)) (Letter to the Editor)
107. Ghosh K, Chatterjee D, Ghosh Roy A, **Bandyopadhyay Arup R**. 2021. Socio-economic Status, Iron Deficiency anemia and COVID-19: An Appraisal. *European Journal of Clinical and Experimental Medicine*. 19(1): 52-58 (doi: [10.15584/ejcem.2021.1.8](https://doi.org/10.15584/ejcem.2021.1.8))
108. **Bandyopadhyay Arup R.**, Chatterjee D, Ghosh K. 2021. Haptoglobin (HP) Polymorphism and COVID-19: A Review. *Innovat International Journal of Medical & Pharmaceutical Sciences*, 6(2): 1-4.
109. **Bandyopadhyay Arup R.**, Chatterjee D., Ghosh K. 2021. HLA and COVID-19 Disease Burden. *International Advanced Research Journal in Science, Engineering and Technology*. 8(11): 188-193. (DOI: [10.17148/IARJSET.2021.81128](https://doi.org/10.17148/IARJSET.2021.81128))
110. Ganguly Sourav, Sarkar Pranabesh, Chatterjee Diptendu and **Bandyopadhyay Arup R**. 2016. Association of ABO Blood Group Polymorphism and Tuberculosis: A study on Bengalee Hindu Caste Population, West Bengal India. *Indian Journal of Tuberculosis* (published online <http://dx.doi.org/10.1016/j.ijtb.2016.09.014>) DOI:10.1016/j.ijtb.2016.09.014

ARCHAEOLOGICAL ANTHROPOLOGY

111. Ghosh Jyoti Ratan, Chatterjee Diptendu and **Bandyopadhyay Arup R**. 2017. A preliminary survey at Kangshabati, Dulung and Tarafeni River Valley in Midnapore District: An Exploration. *The Asian Man*. 11(2): 155-158. [Print ISSN: 0974-6366; Online ISSN: 0975-6884] (DOI:10.5958/0975-6884.20170024. X)

Skin Colour Variation

112. Bose Arkopala, Sumit Maitra , Mainak Sengupta , Diptendu Chatterjee, **Bandyopadhyay Arup R**. 2023. Human Cutaneous Microbiome and Skin Carcinogenesis: An Immunological Conundrum. *Archives of Dermatology and Skin Care*. 5(1): 13-15. ISSN: 2638-4914 <https://doi.org/10.22259/2638-4914.0501001>
113. Maitra Sumit, Chatterjee Diptendu, **Bandyopadhyay Arup R**. 2019. Skin color variation: A study on Eastern and North East India. *Asian Journal of Medical Sciences* 10(3). DOI: [10.3126/ajms.v10i3.23256](https://doi.org/10.3126/ajms.v10i3.23256)

Others

114. **Bandyopadhyay Arup R.**, Pezhemsky, D.V., Alexeev Yu.A., Vagner-Sapukhina E.A., Chirkova A.Kh. Zaripova L.R. Klyuchikova T.E., Leybova N.A., Chatterjee D., Chatterjee R. (2022). NORTH-EAST INDIAN ANTHROPOLOGICAL RESEARCH 2019 (PRELIMINARY RESULTS). *Moscow University Anthropology • Bulletin • 2022, no. 2, pp. 49-61*
115. **Bandyopadhyay Arup R.** D.V. Pezhemsky , Y.A. Alekseev, E.A. Vagner-Sapukhina, A.Kh. Gilmiditnova, T.E. Kliuchnikova, N.A. Leybova. 2018. A short report on the results of the Indian Anthropological Expedition 2018. *Proceedings of the Institute of Anthropology of Moscow State University* (December 2018)
116. Das Priyanka, Ghosh JR, Chatterjee D and **Bandyopadhyay Arup R**. 2018. Inheritance of Craniofacial Indices: A Study on Bengalee Hindu Population of West Bengal, India. *Anthropology and Ethnology Open Access Journal*. 1(1):1-6
117. **Bandyopadhyay Arup R**. 2017. Eating disorder/and or eating behavior researches from West Bengal, India: Suppressing the facts?? *Asian Journal of Medical Sciences* 8(2): 14-19 (e-ISSN: 2091-0576 p-ISSN: 2467-9100. DOI: <http://dx.doi.org/10.3126/ajms.v8i2.16395>)
118. Majumdar Joydhis, Sarkar Pranabesh, Chatterjee Diptendu, and **Bandyopadhyay Arup R**. 2015. A Study on Orbital Linear Measurements among Bengalee Population. *International Journal of Scientific and Research Publications*. 5 (11): 475-478. [ISSN 2250-3153]
119. Chatterjee Diptendu and **Bandyopadhyay Arup R**. 2015. Perception of Self Medication among the University Student of Kolkata. *International Journal of Development Research*. 6(7):5065-5069. [ISSN: 2230-9926]
118. Das Priyanka, **Bandyopadhyay Arup R** and Ghosh Jyoti Ratan. 2014. Family study on some head and face measurements. *Nrtattv (THE ANTHROPOLOGY)*. 3&5 (5&6):114-120. [ISSN:2249-9830]
119. Atrayee Kar, Jayita Roy Tapadar, Diptendu Chatterjee, Sudesna Chanda, Jyoti Ratan Ghosh and **Bandyopadhyay Arup R**. 2007. A Study on Variation and Sexual Dimorphism of Handwriting in Bengalee Population. *Journal of the Department of Anthropology, University of Calcutta*. 10- 11: 1-9 (ISSN: 2249-6181).
120. Goswami K; **Bandyopadhyay Arup R.**; Prasad O: 2000: Environmental lead poisoning: its interaction with some trace elements. *Journal of the Vivekananda Institute of Medical Sciences*. 23: 51-54. [ISSN: 0975-6299]
121. Banerjee Atrayee, **Bandyopadhyay Arup R** and Chakrabarti Nirmal Kanti. 2015. Occupational pattern and forest based livelihood of the Santals of Purulia, West Bengal, India. *KIIT Journal of Law and Society*. 5(1). 108-126 [ISSN: 2231-5144]

PhD Awarded: [Human Rights]

2017: **Forest Rights: A Study of Indigenous Group of West Bengal, India**
(Ms. Atrayee Banerjee, Former UGC-JRF, Currently Guest Lecturer, Basanti Devi College, Kolkata & Guest Faculty, PG Course In Human Rights, Department of Anthropology, University of Calcutta)

Books/ book chapters Human Right (Book): 2017

Human Rights and Issues: An ethnographic study in a Jharkhand Village. Lambert Academic Publishing. LAP LAMBERT Academic Publishing Saarbrücken, Germany [ISBN-10: 3330075384; ISBN-13: 978-3330075382]

Book Chapters

Research area: Hair Study: Variation of Primate and Evolutionary Biology

122. Chatterjee Madhumati and **Bandyopadhyay Arup R** 2017. Biophysical Properties of Human Scalp Hair: A Study on the Variation of Water Absorption Among the Two Ethnic Groups from India. In, Sengupta S (Edts). *Contemporary Anthropological Research in Eastern and North Eastern India*. Pp 79-86 [ISBN : 978-81-212-1358-5]
123. Chatterjee Madhumati, Ghosh Jyoti Ratan **Bandyopadhyay Arup R**, 2012. Some aspects of Evolutionary Biology of Primate Hair. Jayanta Sarkar, Arabinda Basu and Ajit K Singh (eds). Dimensions of Anthropological Research in India. *The Indian Anthropological Society*. Pp 61-69 (ISBN 81-85525-06-4)
124. **Bandyopadhyay Arup R**. 2007. On Human Evolution: Some issues and perspective. In *Exploring the Vistas in Life Science*. (Bratati De and Subir Bera eds). UGC-ASC and Department of Botany, University of Calcutta. Pp 47.
- Research area: Forensic Anthropology**
125. Roy D, Das P, Ghosh K, Chatterjee D, Bandyopadhyay AR. 2019. Variation of Angular Photogrammetric Analysis of the Facial Profile: A study on Tripuris and Bengalee Hindu Caste Population. Spectrum of Anthropological Perspectives of North-east India. Edited by Sarthak Sengupta and Juhi Borah. Chapter. 18, pp.
126. Das S., Ghoshal Roy J. and **Bandyopadhyay Arup R**. 2002. Reconstruction of Stature Lower Extremity Bone Dimensions among Bengali Males of Birbhum, West Bengal. In, M. K. Basin and S. Nath (eds.) *Proceeding Volume of the National Seminar on Role of Forensic Science in the New Millenium*, Chapter. 16, pp.131-147.
- Research area: Dental Anthropology:**
127. Banerjee P., **Banerjee Arup R** & Banerjee A.R.: 1992: Eruption of Permanent teeth in Bengalee School Children. In, *Culture Ecology and Dental Anthropology*. Lucacs John R. (edit) Journal of Human Ecology, **Special Issue**. Vol.2. Kamla Raj Enterprises, Delhi. Pp. 31 – 33. [ISBN 9788185264066

Public Health:

Research area: Dermatoglyphics and Medical Disorder

128. Dey B, Das Piyali, and **Bandyopadhyay Arup R**. 2018. Palmar a-b and c-d ridge counts among the Autistic Patients of Bengalee Hindu Caste Populations of West Bengal, India. In, Recent Trends in dermatoglyphic research (Commemoration Volume in Memory of Late Professor Ramesh Chaube). Edts (Dipak kumar Adak and Anand Murti Mishra). B.R. Publishing Corporation, Delhi pp 153-162. [ISBN -9789386223722]
129. Das Piyali, Ghosh JR and **Bandyopadhyay Arup R**. 2018. Finger ridge counts and 'atd' angle among the E-β Thalassemia Patients of Bengalee Hindu Caste Populations of West Bengal. In, Recent Trends in dermatoglyphic research (Commemoration Volume in Memory of Late Professor Ramesh Chaube). Edts (Dipak kumar Adak and Anand Murti Mishra). B.R. Publishing Corporation, delhi pp 153-162. [ISBN -9789386223722]
130. Banerjee A.R., Banerjee S. and **Bandyopadhyay Arup R.**, Pal S.C. & Banerjee S.P. 1992: A note on Dermatoglyphic Features of Down's Patients. In, *Dermatoglyphics Today*. Reddy, B.M., Sarkar, B.N. & Roy S.B. (edits) Indian Institute of Biosocial Research & Development, Indian Statistical Institute. Anthropological Survey of India. Pp. 206 – 209.

Research area: Gerontology

131. Parikshit Chakraborty, Arup Ratan Bandyopadhyay and Falguni Chakraborty. 2021. Activities of Daily Living among the Rural Oldest-old Females A Study in Paschim Medinipur District of West Bengal. In Health Disparity and Health Equity, Indigenous People and Beyond. Mithun Das, Subir Biswas and Sarit Choudhury (eds). Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal (National Museum of Mankind) Rawat Publications pp 89-98

Research area: Genetic marker Polymorphism and disease/disorder (Medical Genetics)

132. Ghosh Roy Abhishekta, Sarkar B.N. Roy R. and **Bandyopadhyay Arup R**. 2015. Identification of Breast Cancer BRCA1 Mutation in West Bengal. Recent Discoveries and Perspective in Human Evolution: "Exploring Human Origins: Exiting Discoveries at the Start of 21st Century" Manchester 2013. Anek R. Sankayan (eds) BAR (British Archaeological review) International Series 2719: pp193
133. Chatterjee D and **Bandyopadhyay Arup R**. 2004. A study on ABO blood group Segregation distortion in the Bengalee Population. *Proceeding Volume of the National Seminar on Recent Trends in Human Biology*. University of Calcutta.
134. Banerjee, A. R., Pal S.C. and **Bandyopadhyay Arup R**. 1997. Segregation distortion of ABO blood groups in a Bengalee population. *Studies in Anthropology: Recent Perspectives: Commemoration Volume in Honour of Professor B.M. Das/edited by Sarthak Sengupta*. Vedams Books (P) Ltd. Article 8

Research area: Anthropometry and Non communicable disease

135. Jyoti Ratan Ghosh, Tapashree Rakshit, Diptendu Chatterjee, and **Bandyopadhyay Arup R**. 2005. A comparative study on anthropometric variables between normotensive and hypertensive immigrant Tamil women. *Adapting to Changing Environment; Studies in Anthropology*. Edited by Ranjana Ray. Calcutta University. Calcutta University Press. Kolkata. (pp. 22-28).

Research area: Infectious/ communicable Disease

136. Ghosh K, Roy AG, Chatterjee D, **Bandyopadhyay Arup R**. 2021. A multidisciplinary approach to COVID-19 with special reference to North-east India: Genetic factors and beyond. Human Diversity in North-east India, Bio-anthropological Approaches. Edited by Sarthak Sengupta and Dali Dutta. Chapter 20, pp-249.

Research area: Reproductive Health

137. **Bandyopadhyay Arup R**. 2024. Anthropological Genetics in Menstrual and Menopausal Milieu: Reproductive Health Issues. In Kallur Nava Saraswathy Benrithung Murry (Edts) GENES, HEALTH AND ANTHROPOLOGY PART 5 Genes and Health. Concept Publishing Company Pvt. Ltd, New Delhi. ISBN: 978-93-5594-646-1 (HB), ISBN: 978-93-5594-647-8 (PB)
138. **Bandyopadhyay Arup R**. 2004. A Study on reproductive performances of Santal females of eastern India. In Rediscovering the Familiar: An Anthropological Approach (Ranjana Roy Ed.). Calcutta University Press. Pp 129-151.
139. Das M., Ghosal Roy J. and **Bandyopadhyay Arup R**. 2002. A Study on Body Mass Index and Age at Menarche in Munda Tribal Population of West Bengal. *Proceedings of the Conference of International Union of Anthropological and Ethnological Sciences (IUES), Tokyo, Japan*
140. Banerjee, A. R., Pal S.C. and **Bandyopadhyay Arup R**. 1997. Segregation distortion of ABO blood groups in a Bengalee population. *Studies in Anthropology: Recent Perspectives: Commemoration Volume in Honour of Professor B.M. Das/edited by Sarthak Sengupta*. Vedams Books (P) Ltd. Article 8

Tribal/Ethic Groups:

140. Chatterjee D and **Bandyopadhyay Arup R**. 2019. A study on Anthropometric Somatotypes in four Ethnic groups of India. In, *Tribal Health Care System (A TRIBUTE TO P.O. BODDING)* Ranjana Roy (eds). The Asiatic Society, Kolkata pp 345-360 (ISBN978-9361574-86-7)

Others:

141. Banerjee A R. & **Bandyopadhyay Arup R.**: 1994: *Radiation and human biology*. In, Ecology, Environment and Pollution. (edited) Ray Malabika. Vol. 9. pp 103 – 107.
142. Banerjee A.R. & **Bandyopadhyay Arup R.**: 1997: Family formation and marriage patterns among the Bengalee couples in urban set up. In *Environment and Society* Basu P. (ed) Reliance Publishing House, New Delhi. Pp. 95 – 99

Seminar/Conferences:

1. 1986 A Study on Haptoglobin in relation to birth weight of the new born. *Proc. 73rd Ind. Sci. Cong. Assoc.* (New Delhi) Part III pp 1
2. 1987 A Study on ABO Groups and Haptoglobin Interaction. *Proc. 74th Ind. Sci. Cong. Assoc.* Part III. pp
3. 1987 Birth Weight in ABO Blood Group and Haptoglobin Interaction. *Proc. Mother Child Health Status & XII Annual Conference of Indian Society of Human Genetics* (Calcutta). Pp 46.
4. 1987 Haptoglobin in ABO Incompatibility: A Study on Protective Immunological Interaction. *Proc III Annual Scientific Conference. Vivekananda Institute of Medical Sciences.* (Calcutta).
5. 1988 A Study on Haptoglobins in ABO Incompatibility. *Proc 75th Ind. Sci. Cong. Assoc.* Part III. pp 18.
6. 1989 Haptoglobins in Bengalee Caste Groups. *Proc. 76th Ind. Sci. Cong. Assoc.* (Madurai). Pp 7.
7. 1989: Haptoglobin in Medico-legal cases. *Proc. National Seminar on Identification in Forensic Sciences. Indian Academy of Forensic Sciences.* (Calcutta).
8. 1990: Haptoglobin in HDN. *Proc. VI Annual Scientific Conference, Vivekananda Institute of Medical Sciences.* (Calcutta).
9. 1990: Segregation Study of Haptoglobin in 110 Bengalee families, *Proc. Annual Conference of the Indian Anthropological Society* (Calcutta). pp 9.
10. 1991 Haptoglobin Polymorphism. *Proc. Young Scientist Award Program 78th Ind. Sci. Cong. Assoc.* (Indore). Part III. pp 29 – 30. **(Awarded: Young Scientist Award) INDIAN SCIENCE CONGRESS ASSOCIATION**
11. 1992 Selection and Polymorphism [ABO, Rh(D), HP] in a Bengalee Population. *Proc. J.B.S. Haldane Birth Centenary Celebration (Indian Statistical Institute, Calcutta).* pp 3.
12. 1992 Intra-uterine ABO Incompatibility Selection. *Proc. J.B.S. Haldane Birth Centenary Celebration (Indian Statistical Institute, Calcutta).* Pp 4.
13. 1994 Family Study for Segregation Analysis of Haptoglobin Groups. *Proc. Annual Conference of Indian Anthropological Society.* (Visva Bharati, Santiniketan)
14. 1995 A Study of Haptoglobin Groups and Aborted Fetus in a Bengalee Population. *Proc. 81st Ind. Sci. Cong. Assoc.* Part II. Pp 22.
15. 1996 A Study on ABO Blood Groups and Haptoglobin in Haemolytic Disease of the New Born. *Proc. Seminar on Man & Environment Interrelationship.* (Dept. of Anthropology, University of Calcutta, Calcutta).
16. 1997 Haptoglobin subtypes – ABO Interaction: Data from a Bengalee Population. *Proc. Platinum Jubilee Celebration Seminar, Department of Anthropology, University of Calcutta,* Abstract 19.
17. 1997 A Study on Nutritional Anthropology of Mundas of Midnapore, West Bengal. *Proc. National Seminar on Genetic Disorder and Malnutrition in India, Bhubaneswar*
18. 1998 Some Aspects of Health and Nutritional Status of Munda Children of Midnapore District of West Bengal, India. *The 14th International Congress of Anthropological and Ethnological Sciences. The International Union of Anthropological & Ethnological Sciences.* Pp 45. Virginia (USA).
19. 1998 A Study on Haptoglobin Polymorphism in a Bengalee Population. The 14th International Congress of Anthropological and Ethnological Sciences. *The International Union of Anthropological & Ethnological Sciences.* Pp 45. Virginia (USA).
20. 1998 A Study on Haptoglobin Groups and Fetal Wastage in a Bengali Population. *4th International Symposium on Genetics, Health & Disease. Guru Nanak Dev University, Amritsar, India,* (Dec. 1 – 4, 1998) Abstract No. 76. pp 008
21. 1999 Interaction Between the ABO Blood Group and Haptoglobin System: A Mother-child Combination Analysis. *Proc. Ind. Sci. Cong. Assoc.* (Part – IV). Chennai.
22. 2002 A Study on Body Mass Index and Age at Menarche in Munda Tribal Population of West Bengal. *Proceedings of the Conference of International Union of Anthropological and Ethnological Sciences* (IUES), Tokyo, Japan.
23. 2002 Segregation distortion in ABO mating types. Session: Genetic Polymorphism and Variation. *Proc. National Seminar on Man and Environment: Recent Trends in Human Biology* (UGC-DSA), Department of Anthropology, University of Calcutta, India.
24. 2002 A Study on the Reproductive Performance of Munda Females of Narayanganj, West Midnapore. Session: Women Studies. *Proc. National Seminar on Man and Environment: Recent Trends in Human Biology* (UGC-DSA), Department of Anthropology, University of Calcutta, India. (September 2002)
25. 2002 Assessment of Stature Using Foot Length among the Male population of Santals and Bagdis of West Bengal. Session: Forensic Application. *Proc. National Seminar on Man and Environment: Recent Trends in Human Biology* (UGC-DSA), Department of Anthropology, University of Calcutta, India. (September 2002).
26. 2005 Enough physical activity can decrease the health risk in Bengalee population. *Proc. 12th West Bengal State Science and Technology Congress.*
27. 2005 Anthropometric measures, body fat distribution and blood pressure among adult Hindu women of Kolkata. *Proc. National Seminar on Human Diversity in India: Issues and Perspectives.* Department of Anthropology. University of Calcutta.
28. 2005 Effect of age and sex on anthropometry: A study on sexual dimorphism. *Proc. 92nd Indian Science Congress*
29. 2006 Obesity and blood pressure. *Proc. 12th West Bengal State Science and Technology Congress.*
30. 2007 Blood pressure: A study on sexual dimorphism. *Proc. 13th West Bengal State Science and Technology Congress.*
31. 2007 A study on central obesity and hypertension in a Bengalee population. *Proc. The International Seminar on Human Diversity in Perspectives.* Department of Anthropology. University of Calcutta.

31. 2008 A study on age at menarche and body mass index in a Munda tribal population of West Bengal, India. *Proc. 95th Indian Science Congress*, Visakhapatnam
- Receiver operating characteristic (ROC) curve analysis in 5-15 years old Bengalee girls. *Proc. The National Seminar on Human Diversity: The Emerging Perspectives*. Department of Anthropology. University of Calcutta.
32. 2008 Maternal fetal interaction in the ABO and haptoglobin system: a comparative analysis of healthy mother and couples with spontaneous abortion in Bengalee population. *Proc. The National Seminar on Human Diversity: The Emerging Perspectives*. Department of Anthropology. University of Calcutta.
33. 2008 Interrelationship of footprint parameters and anthropometric variables. *Proc. 96th Indian Science Congress*, Shillong,
34. 2008 A study on histological and quantitative variation in black and gray human scalp hair in a Bengalee population, India. *Proc. 96th Indian Science Congress*, Shillong
35. 2009 A Study on the prevalence of obesity among the adult Bengalee females: A comparative analysis. *Proc. 96th Indian Science Congress*, Shillong
36. 2009 False positive rate (FPR), false negative rate (FNR) and Youden's index (YI) of body mass index (BMI) in assessing excess adiposity. *Proc. International Seminar on Applications of Anthropological Research in Human Life. The Asiatic Society*, Kolkata. 2009.
37. 2009 Application of Biological Anthropology in the field of Human health. *Proc. National Seminar on Human Health: A Bio-Cultural Synthesis*. Department of Anthropology West Bengal State University in collaboration with Anthropological Survey of India, Kolkata, (March 4-6, 2010) (Invited Lecture)
38. 2010
39. 2011 Relationship between body shape among Oraon and Munda of Jharkhand, India. *UGC sponsored National Seminar on Diversity, Social Exclusion, Backwardness and Development*. Department of Anthropology, University of Calcutta (March 22-25, 2011)
40. 2011 *National Seminar on Diversity, Social Exclusion, Backwardness and Development*. Department of Anthropology University of Calcutta (March 22-25, 2011) Genes and society. *98th Indian Science Congress. Anthropological and Behavioural Sciences Section*. Chennai (January 3-7, 2011)
41. 2011 Factor Analysis of Hypertension and Type 2 Diabetes Risk. *Proc. 98th Indian Science Congress. Anthropological and Behavioural Sciences Section*. Chennai (January 3-7, 2011) pp 2-3
42. 2011 Marriage Patterns of Bengalee Hindu Society: Relevance of Cultural Dynamics. Proc. seminar on Religio-Cultural Dynamics & Social Exclusion and Inclusion in India, Centre for the Study of Social exclusion and Inclusive policy(CSSEIP), Tripura University (April, 2011) (invited Lecture)
43. 2012 Variation of Primate Hair: An Approach to Evolutionary Aspect. *National Seminar on Contemporary Issues in Human Biology in the 21st Century Punjabi University, Patiala* (March 31 and April 1, 2012)
44. 2013 Repositioning Application of Anthropology for the Future Shape of the Society. *Presidential Address. 100th Session of Indian Science Congress* (January 3-7, 2013)
45. 2013 A Study on Nutritional Status of Adolescent Children in West Bengal. *Proc. 43rd Annual Conference of the Indian Anthropological Society* (March 8-9, 2013). Pp23
46. 2013 A Study on Anthropological appraisal of the inheritance of Cephalo-facial Patterns in Bengalee Hindu Caste Population. *Proc. 43rd Annual Conference of the Indian Anthropological Society* (March 8-9, 2013). Pp33
47. 2013 A Study on the development of Foot Arch among Bengalee Children. *Proc. 43rd Annual Conference of the Indian Anthropological Society* (March 8-9, 2013). Pp36
48. 2013 Association of Novel Intronic Polymorphism with Certain Lifestyle Variables: A Study among the Bengalee Hindu Females of West Bengal, India. *Proc. Current Trends in Research on Biological Anthropology in West Bengal. Indian Statistical Institute, Kolkata*. March 20-21, 2013
49. 2013 A Study on Dermatoglyphics Finger Patterns Among The E-Beta Thalassemia Patients From Bengalee Hindu Caste population West Bengal. *Proc. Current Trends in Research on Biological Anthropology in West Bengal. Indian Statistical Institute, Kolkata*. March 20-21, 2013
50. 2013 Prognostic Significance of Prevalence of Sex Chromatin in Breast Cancer Patients. *Proc. National Seminar on Health and Disease: Exploring Genomics and Cultural Globalization in 21st Century*. Department of Anthropology, Sri Venkateswara University, Tirupati (June 26-27, 2013)
51. 2013 Study on variation of primate hair: an approach to evolutionary biology. (BH03). Evolving Humanity, Emerging Worlds. IUAES (International Union of Anthropological and Ethnological Sciences) (Manchester, UK. 5-10 August 2013)
52. 2014 Association of quantitative dermatoglyphic traits and E-beta thalassemia: A study on Bengalee population of West Bengal, India. *Proc 44th Ann Conf Indian Anthropol Soc Gold Jub Natl Sem* (Raipur 17th- 19th Jan 2014) pp 55.

53. 2015 Variation between subfamilies Cercopithecinae and Colobinae: with reference to hair quantitative trait. *Proc. 45th Indian Anthropol Conf* (Dibrugarh 21st-23rd Feb 2014) pp73.
54. 2016 A study on the association of ABO Blood Group and Tuberculosis in Bengalee Hindu Caste Population. *Proc. Indian Anthropological Congress*. (Assam University, Diphu Campus, Assam. February 21-23, 2016)
55. 2016 A preliminary study on cervical cancer among the Bengali women of Kolkata. *Proc. Indian Anthropological Congress. Assam University, Diphu*
56. 2016 Comparative Study on Somatotype of Two Linguistically Different Ethnic Groups of India. *Proc. National Seminar on Anthropology, Tribal Policies and Tribal development in India*. West Bengal State University, Barasat (March 21-22, 2016)
57. 2016 A Study on Anthropometric, Physiological Variables and ACE Gene Polymorphism in relation to Type 2 Diabetes Mellitus T2DM) of Kurmis of West Bengal. *Proc. National Seminar on Anthropology, Tribal Policies and Tribal development in India*. (West Bengal State University, Barasat (March 21-22, 2016)
58. 2018 Association of Vitamin D deficiency and anthropometric variables: A Study on Aged Bengalee Hindu Caste Population of West Bengal *Proc. 105th Indian Science Congress. Anthropological and Behavioural Sciences Section* (March 6-10, 2018). Manipur University. Manipur.

11. Membership of Learned Society

- **Principal Advisor** for upcoming project entitled “Assessment of Health, Hygiene, and Sanitation in North-East India, with Special Focus on the Well-being of Tribal Children and Women. Anthropological Survey of India. **Ministry of Culture**
- **Member of an Empowered Committee, Indian Museum, Ministry of Culture.**
- **Member** of the Advisory Committee in the Program in Forensic Science, The West Bengal National University of Juridical Sciences
- **Life Member**, Indian Science Congress Association
- **Life Member**, Indian Anthropological Society (**Vice- President**)
- **Life Member**, Indian Academy of Forensic Sciences,
- **Life and Founder Member**, Indian National Confederation of Anthropological Association (INCAA)
- **Life Member**, Indian Science News Association
- **Life Member, The Asiatic Society**
- **Member**, Institutional Animal Ethics Committee, University of Calcutta Ministry of Environment, Forests & Climate Change, Animal Welfare Division, Govt. of India
- **Former Chairperson** Undergraduate Board of Studies in Anthropology, University of Calcutta
- **Member**, Undergraduate Board of Studies in Anthropology, University of Calcutta
- **Member**, Undergraduate Board of Studies in Anthropology, West Bengal State University
- **Member**, Post Graduate Board of Studies in Anthropology, Bidhannagar Government College, West Bengal State University
- **Member**, Post Graduate Board of Studies in Anthropology, Sree Chaitany College Habra, West Bengal State University
- **Member (Former)** Post Graduate Board of Studies Department of Genetics, University of Calcutta
- **Member**, Undergraduate Board of Studies in Anthropology & Tribal Studies, Sidhu Kanho Birsa University, Purulia
- **Member**, Post Graduate Board of Studies in Anthropology & Tribal Studies, Sidhu Kanho Birsa University, Purulia
- **Member**, Post Graduate Board of Studies in Anthropology Vidyasagar University, Midnapore University, Purulia
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12. Patents: NIL

13. Invited Lectures delivered:

- **Keynote Speaker: Association of Digit Ratios (2d:4d) And Age At menopause: Possibility of An Economising Biomarker. 5th International Conference on Gynecology, Obstetrics and Reproductive Medicine (GORM 2023) December 15-17, 2023, Guilin, China.** <https://www.janconf.org/conference/GORM2023/>, <https://www.janconf.org/conference/OrganizingCommittee.aspx?id=1659>
- Resource person: **Introduction to Bengal's history, tradition, culture, demography & Social pattern.** Swami Vivekananda State Police Academy (75 RR IPS probationers, West Bengal Cadre) Barrackpore (December 13, 2023)
- Invited Lecture and Resource Person: **Faculty of Public Health Mahidol University, Thailand** (November 30, 2023) (<https://www.ph.mahidol.ac.th/ir/2023/30112023/>)
- Invited Lecture and Resource Person: **Department of Biology, Department of Medicine (Interdisciplinary Science): Forensic Science.** Khon Kaen University, Thailand (November 27-28, 2023) (<https://sc.kku.ac.th/en/research-en/30112/30112/>)
- Invited Lecture: **Association of Haptoglobin groups and Mother-Child Health: A Study from Eastern India. 57th Congress of Anthropological Society of Serbia,** (Kopaonik (Brzeće), SERBIA (September 27-29, 2023)
- Resource person: **Being Human: Foot Development and Forensics & Blood group: Mother-Child Health.** induction Training Program (5-14 April,2023) Anthropological Survey of India, Head Office (12 July, 2023)
- Resource person: **Research Methodology of Human Genetics.** induction Training Program (5-14 April,2023) Anthropological Survey of India, Head Office (July 8, 2023)
- Invited Lecture: **Reconstructing the human population histories of India: Some Anthropological Observations.** Reconstructing the human population histories of India: Some Anthropological Observations. A three-day International Conference Reconstructing the human population history of South Asia using Archaeology and Genetics Sponsored by **Ministry of Culture** and Jointly organized by Birbal Sahni institute of Palaeoscience, Lucknow, University of Kashmir, Srinagar (7th to 9th June, 2023)

- Resource Person: ADNAT (Association of DNA Fingerprinting and Associated Technologies) Annual Conference 2023: Translating Human Evolutionary History to Precision Medicine Sub-Theme: The Asian Ethno-linguistic Evolution. **CHAIRPERSON** (Session 5: *Evolution of complex traits and Disease Genetics*) & **PANEL DISCUSSANT** in *The Asian Ethno-Linguistic Evolution* (March 10-12, 2023)
- Invited Lecture: **Anthropology and Microbiome: Observations and Futuristic Dimensions**. International Conference Contemporary trends in Socio-Cultural and Biological Variation: Revisiting Ethnographic methods of Human Diversity. DEPARTMENT OF ANTHROPOLOGY, Dr. Harisingh Gaur Vishwavidyalaya Sagar (MP) (Jointly organized by PRC, Moscow) (February 13-14, 2023)
- Invited Lecture: **Women Reproductive Health: Anthropological Genetics Considerations**. **World Anthropology Congress** Rescripting the Anthropocene: Health, Happiness and Hope. DEPARTMENT OF ANTHROPOLOGY, UNIVERSITY OF DELHI JANUARY 11-13, 2023 (January 11, 2023)
- Invited Lecture: **Association of Digit Ratios (2D:4D) and Age at Menopause: Possibility of an Economising Biomarker in Sustainable Development Goals (SDGs)** 108th Indian Science Congress (ISC) "Science & Technology for "Sustainable Development with Women Empowerment" January 3 -7, 2023R.T.M. Nagpur University, Nagpur, Maharashtra, India (January 5, 2023)
- Invited Lecture: **Nutritional status and its association with age at menarche and per capita income: A report from West Bengal, India**. PROGRAM OF THE 30th ASCHAUER SOIRÉE IN KROBIELOWICE Environment – social behaviour – growth SATURDAY, (June 2022), Poland
- Resource Person: Chairperson, technical session in 1st National Seminar on "**Forensic Science in Judicial Enforcement: A Way Towards progressive Justice**" National University of Juridical Sciences, Kolkata (May 06-07, 2023)
- Resource Person: **Being Human: Foot development and Forensic issues**, Research methodology course work, National University of Juridical Sciences, Kolkata (April 29, 2023)
- Resource Person: **Gene–culture co-evolution: Towards an integrated Anthropology**, Refresher course in Anthropology: Recent trends in Anthropology. Manipur University, March 21, 2022
- Resource person: **Reaching the Unreached: A Brief Discourse on Recognizing and Combating Rural/Tribal Health**. 5 days Online Programme on Livelihood Enhancement Opportunities among Rural Youth in Tripura organized by the Department of Economics, Tripura University, and sponsored by Rajiv Gandhi National Institute for Youth Development (RGNID), Sripurumbudur. March 16, 2022
- Invited Lecture: **Being Human: Foot arch is a key to human evolution and development of foot arch in children – growth and public health issues**. National Seminar on "Anthropology of Contemporary Era" Organized by North Bengal University, Department of Anthropology, March 03, 2022
- Invited Lecture (Round Table): **Host Risk Factors, Variation & immune Responses: Anthropological Perspectives of Pandemic (COVID-19)**. Anthropology and Bio-cultural diversity in India: Retrospect and Prospect. Organized by INCAA in collaboration with the Department of Anthropology, University of Hyderabad. (February 21-23, 2022).
- Invited Lecture: **Haemolytic Disease of the New Born (HDN) and Haptoglobin Groups: The Maternal-child Health Issues**. National Seminar on "Anthropology in 21st Century and beyond". Organized by Department of Anthropology, University of Delhi. (February 9-11, 2022).
- Resource Person: **Biological Anthropology: A Brief Note on Interface with Social and Cultural Anthropology**. Second Indian Seminar, Dedicated to the Republic Day of India. Organized by Paleoanthropology Research Center, Moscow, RUSSIA. (January 27-28, 2022).
- Resource Person: **Association of Digit Ratio (2D:4D) and Age at Menopause: Possibility of an Economizing Biomarker**. Organized by State Biological Museum (Round Table: Man and nature. Adaptation, Nutrition, and Interaction), Moscow, RUSSIA. (January 25, 2022)
- Resource Person: **Foot arch is a Key to Human Evolution; Growth and Public Health Concern**. Inter/Multidisciplinary Refresher Course in Life Sciences (UGC-HRDC), Department of Physiology, University of Calcutta. (January 17, 2022).
- Invited Lecture: **Some Aspects of Research Methods and Publication Ethics**. Workshop on Research Methodology, Organized by Culture research Institute (CRI), Backward Class Welfare Commission and Tribal Development Department, Government of West Bengal with Assistance of Ministry of Tribal Affair Govt. of India. (November 26, 2021).
- Invited Lecture: **Biological anthropology: a Brief Note on Interface on Biological and Social- cultural Anthropology**. Program of the 29th Aschauer Soiree in Krobiewlowice, Growth and Public health Concerns. (November 20, 2021). POLAND (Virtual)
- Resource Person: **Some Aspects of Prenatal Genetics and Association with Postnatal Health**. Refresher course in Biological Sciences, Department of Genetics. University of Calcutta (UGC-HRDC). (February 27, 2021)
- Invited Lecture: **Anthropometric Diversity**. National Webinar on Contemporary Anthropology. Organized by Department of History, Women Christian College, Chennai. (March 5, 2021). (Virtual)
- Resource Person: **Intrauterine Environment and its Association with Health; An Appraisal**. Refresher Course in Environmental Studies, Department of environmental studies. University of Calcutta (UGC-HRDC). (March 19, 2021). (Virtual)
- Invited Lecture: **Host Risk Factors, Variation & immune Responses: Anthropological Perspectives of Pandemic (COVID-19)**. International Webinar on Anthropology of Epidemics. Organized by Department of Anthropology & IQAC, Seva Bharati Mahavidyalaya, Kaggari, West Bengal, India in collaboration with Department of Anthropology, Sukumar Sengupta Mahavidyalaya, Kespur, Paschim Medinipur, West Bengal, India. (October 28-30, 2021) (Virtual)
- Plenary Lecture: **Gene–culture co-evolution: relevance and perspectives in Anthropology**. WEBINAR 56TH CONGRESS OF ANTHROPOLOGICAL SOCIETY OF SERBIA WITH INTERNATIONAL PARTICIPATION Organizer: Anthropological Society of Serbia Co-organizer: Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad (June 04, 2021), SERBIA (Virtual)
- Resource Person: **Reaching the Unreached: A Brief Discourse in Recognizing and Combating the Tribal Health**. Online Multidisciplinary Refresher Course in Tribal Studies. Organized By Pandit Rabisankar Sukla University, Raipur. (November 25, 2020)
- Invited Lecture: **Polycystic Ovarian Syndrome (PCOS): An emerging Women Health Issue**. Two Days International webinar on Health Issues and Social Status of Women. Organized by Department of Anthropology, Shyampur Siddheswari Mahavidyalaya, Ajodhya, Howrah and Department of Anthropology, Ramsaday College, Amta, Howrah in association with IQAC, Shyampur Siddheswari Mahavidyalaya & IQAC, Shyampur Siddheswar Mahavidyalaya & IQAC, Ramsaday College. (September 28-29, 2020).
- Invited Lecture: **Molecular Anthropology and Issues of Covid-19: Host Risk Factors, Immune Response and Vaccination**. WEBINAR on Molecular Anthropology of COVID. Organized by Anthropological Survey of India. (August 27, 2020).
- Invited Lecture: **Multidisciplinary Approach to COVID-19: Genetic Factors and Beyond**. International WEBINAR on "COVID 19 Multidisciplinary Approach". Organized by Department of Anthropology in Association with IQAC, Cotton University, Guwahati. (August 10, 2020)
- Invited Lecture: **Autism and Anthropology: Biomedical and social Perspectives**. International WEBINAR on Autism and Anthropology: An Interdisciplinary Approach. Organized by (August 08, 2020).
- Invited Lecture: **Forensics - an Important Need of the Society: An Appraisal**. Forensic Science WEBINAR on "Forensics: An Important need of the Society". Organized by Department of anthropology, University of Delhi. (July 23, 2020)
- Invited Lecture: **Anthropological IMPLICATIONS of COVID-19: VARIATION IN SEVERITY AND FATALITY**. WEBINAR on "Anthropological Response to COVID 19". Organized by Department of Anthropology, University of Delhi. (July 07, 2020)
- Invited Lecture: **Anthropological perspectives of COVID-19 Pandemic: Host risk factors and its impact**. International WEBINAR on "COVID19 Global Health Calamities". Organized by Acharya Prafulla Chandra College and Hiralal Mazumdar Memorial College for Women. (June 19 & 20, 2020)
- Invited Lecture: **Anthropology and Pandemics: A Journey**. Two days WEBINAR on "Anthropology and Pandemics: A Journey. Organized by Origin Life Healthcare Solutions & Research Centre, Chandigarh. (May 17 & 16, 2020).
- Resource Person: Keynote Address: **Interaction of ABO Blood group and Haptoglobin: A study on Interaction of ABO Blood group and Haptoglobin: A Study on spontaneous abortion**. 3rd International Conference on Gynecology, Obstetrics and Reproductive Medicine (GORM-BT 2019), Thailand (Bangkok: December 13-15, 2019)
- Resource Person: Invited lecture: **Ethical Issues in Anthropology: Some aspects of Genetics, Indigenous Communities and Research Publications**. In, National Workshop **Ethical Issues for Doing Fieldwork with Indigenous Peoples- Indian Perspectives**, Organized by Department of Anthropology, West Bengal State University, In Collaboration with ICSSR (IMPRESS PROGRAM) (November 06, 2019)
- Resource Person: Invited lecture: **Gene–culture co-evolution: relevance and perspectives in Anthropology**. Biological Anthropology Unit, Indian Statistical Institute, Kolkata (October 30, 2019)
- Resource Person: **Research in Human Genetics**. Workshop on Research Methodology. (30th April- 4th May, 2019) Anthropological Survey of India, Eastern Region, Kolkata (May 03, 2019)
- Resource person (Chairperson Technical Session): National Seminar on Converging Spectrum of Anthropology with special emphasis on Assam and adjoining areas on (Gauhati University, Assam, March 14 and 15, 2019)

- UGC Visiting Lectures (Under DRS Phase 1): Department of Anthropology, Gauhati University (March 12 & 13, 2019)
- Resource person: Lecture series: *Symmetry And Asymmetry: Anthropological Dimension In Reference To Dermatoglyphics*. Department of Genetics, University of Calcutta (February 27, 2019)
- Resource person: *Deliver Lecture and guidance to fieldwork* in 10-day Research Methodology workshop sponsored by Indian Council of Social Science Research (ICSSR), New Delhi under Ministry of HRD, Govt. of India, Department of Business Management, Tripura University (February 25, 2019)
- Resource person: Invited lecture in Round Table session *Ethics and Objectivity in Anthropology: Research Publications* in Indian Anthropological Congress 2019, Pune (February 21, 2019)
- Conference proceedings: *BRCA and Breast Cancer risk: A Bio-Environmental susceptibility study on Bengalee Females of India 2nd* International Academic Conference on Humanities and Social Sciences. Rome, Italy (February 15-17, 2019)
- Resource person: Plenary Lecture *Gene-Culture Co evolution: Why It Matters?* National Conference On "Anthropology In The 21st Century: Emerging Areas of Research And Its Role In National Development" Department of Anthropology, Assam University-Diphu Campus, Diphu, Karbi Anglong, Assam (February 11-12, 2019).
- Resource person: Chairperson International *Conference on Health Disparity and Health Equity: Indigenous People and Beyond*. Session Chairman. Sree Chaitanya College, (December 23, 2018) Habra
- Invited Lecture: *Symmetry and Asymmetry: Anthropological Dimensions*. Diamond Jubilee Celebration of Indian Anthropological Society, Jointly organized by Departmental of Anthropology, Govt General Degree College, Singur and Indian Anthropological Society (December 12, 2018), Singur, Hooghly.
- Sarkar Memorial Lecture. *Population Variation in India and Researches on Biological Anthropology: Relevance and Continuum of S. S. Sarkar*. 48th Annual Conference of the Indian Anthropological Society. Department of Anthropology Cotton University, Guwahati (November 02, 2018)
- Resource Person: UGC Sponsored short term course on Modern Biology: *Variation of Primate Hair: Some Context on Evolutionary Biology*. Department of Zoology, University of Calcutta (October 08, 2018)
- Keynote address: *Haptoglobin and Haemolytic Disease of The Newborn: A Study on Bengalee Hindu Caste Population, West Bengal, India*. World Congress on Breast Cancer, Gynecology and Women Health. September 05-06, 2018 at Bangkok, Thailand.
- Invited Lecture: *Interaction of ABO Blood group and Haptoglobin: A study on spontaneous abortion*. World Congress on Gynecology, Obstetrics & Reproductive Health. July 16-17, 2018 at Bangkok, Thailand.
- Invited lecture: *Tribal Development and health: A brief discourse on combating childhood communicable diseases*. State level training program on development of Scheduled castes and Scheduled Tribe in State institute and Public Institution and Rural development (SIPARD) Tripura. July 5 & 6, 2018
- Invited Lecture: *Introduction and Paradigm shift of Forensic Science with special reference to Forensic Anthropology*. In Certificate Course on Criminal Law, Criminal Justice and Criminology in 21st Century (15th Mach -16th April, 2018) Law School, KIIT, Bhubaneswar, Odhisa (March 25 and 26th, 2018)
- Invited Lecture: *Reaching the Unreached and Tribal Development: A Brief Discourse on Combating Childhood Communicable Diseases*. 105th Indian Science Congress (Anthropological and Behavioural Science section). Manipur University (March 18, 2018)
- Invited Lecture: *Research Methodology: Some Contexts*. Research Methodology Workshop in Anthropology. Jointly Organized by Department of Anthropology & Anthropological Survey of India. (March 11, 2018)
- Invited Lecture: *The Maternal fetal interaction in the ABO Blood group system: A comparative analysis of healthy mother and couples with spontaneous abortion in Bengalee population* The International Conference on Gynecology, Obstetrics and Reproductive Medicine (GORM 2018) Bangkok 5-7, January, 2018
- Invited Lecture: *Faces of Ancient India from an Anthropological Perspective*. First International Buddhist Conference: Rediscovering Gotama. Bangkok, Thailand (November 22-29, 2017)
- Resource Person, Lecture delivered on *Twins: Relevance In Biological Research* in PhD course work, Department of Zoology, University of Calcutta, Kolkata (September 01, 2017, 2017)
- Invited Lecture: *Tribal Development in West Bengal: A brief discourse on combating childhood communicable diseases*. National Seminar on Tribal Development of West Bengal, Culture Research Institute, Govt. of West Bengal (June 15, 2017)
- Invited Lecture: *Molecular heterogeneity of Male Breast Cancer* in National Seminar On Role Of Anthropology In Public Health, Habra Sreechaitanya College, Habra, 24 Pgs (N) (March 18, 2017)
- Invited Lecture: *Ethnographic Methods and Gender Relations* in TRAINING PROGRAMME ON Research Method in Gender and Labor Studies Jointly Organized by: V.V. Giri National Labour Institute, (Ministry of Labour and Employment, Govt. of India) & Centre for Rural Studies, Department of Rural Management and Development, Tripura University, (March 31, 2017)
- Resource person: delivered lecture on *Demography: Relevance in Behavioral Science*. Refresher's course in on the theme Theories and Practices in Anthropology and other Behavioural Sciences, Department of Anthropology, University of Calcutta (February 06, 2017)
- Resource Person, Lecture delivered on *Twin Studies* in Winter School on Research Methods in Biology, at Biological Anthropology Unit, Indian Statistical Institute, Kolkata (January 21, 2017)
- Resource person: Refresher Course in Challenges and options in biological research in developing country Topic: *Symmetry and Asymmetry: Anthropological dimension*, Department of Zoology, University of Calcutta (December 24, 2016)
- Invited as Resource Person: UGC sponsored Orientation course (Academic Staff College) *The Genetics of Obvious Traits: Dermatoglyphics* The University of Calcutta. March 30, 2016
- Delivered Special Lecture on *A Study on Socio Demographic aspects and Reproductive Performance in Bengalee Hindu Caste Population* in the Anthropology & Tribal Studies PG Department Sidhu-Kanho-Birsha University University, Purulia (December 18, 2015).
- Resource Person: ICSSR Research Methodology Course on *Research Methodology: Some Context* West Bengal State University (December 14, 2015).
- Resource person Refreshers Course in "*Indigenous Society and Culture*, University of Burdwan (Academic Staff College) (October 21, 2014).
- Delivered Special Lecture on *Symmetry and Asymmetry: Anthropological Dimensions* Department of Anthropology, West Bengal State University (February 12, 2014).
- Invited as a Resource Person for the workshop on Research Methodology, Organized by the Department of Anthropology, West Bengal State University (December 02-11, 2013).
- Invited Lecture: *Repositioning Application of Anthropology for the Future Shape of the society*. 43rd Annual Conference of the Indian Anthropological Society (March 8-9, 2013)
- Invited by EMRC, Manipur University, Imphal as a Resource Person for Two -content module in Anthropology under the CEC-NME-ICT project following UGC model syllabus in Anthropology, 2012.
- Invited Lecture: *Marriage Patterns of Bengalee Hindu Society: Relevance of Cultural Dynamics*. National Seminar on Religio-Cultural Dynamics & Social Exclusion and Inclusion in India, Centre for the Study of Social exclusion and Inclusive policy (CSSEIP), Tripura University (April, 2011)
- Invited Lecture: *Genes and society*. 98th Indian Science Congress. (Anthropological and Behavioural Sciences Section). SRM University, Chennai (January 5, 2011)
- Invited Lecture: *Application of Biological Anthropology in the field of Human health*. National Seminar on Human Health: A Bio-Cultural Synthesis. Department of Anthropology West Bengal State University in collaboration with Anthropological Survey of India, Kolkata, (March 4-6, 2010)
- Invited Lecture: Resource person: *Human Evolution* Invite UGC sponsored Refresher course on Life Science: Thrust area Exploring the vistas in Life Science organized by Department of Botany, University of Calcutta (2007)
- UGC Visiting Fellow, Department of Anthropology, North Bengal University (2006 & 2007)
- Resource person, *Digital and Forensic Evidences in Indian Criminology Congress, 1st International and 30th All India Criminology Conference of The Indian Society of Criminology* Organized by Department of Law, University of Calcutta (Post-Centenary Golden Jubilee Celebration (2006-2007)
- Delivered 2 lectures in Anthropology, based on the UGC's model curriculum for undergraduate students, for the Higher Education Channel (Doordarshan; television), 2004-2005.

14. Awards / Honours:

- National Scholarship holder (Govt. of India) in Postgraduate study. 1983

- **Qualified National Eligibility Test (Master's level) [NET] for Junior Research Fellow** conducted by University Grants Commission (UGC) in 1986
 - **Merit Award** for presentation of scientific paper for medical scientist Vivekananda Institute of Medical Sciences, University of Calcutta (1990)
 - **Young Scientist Award** from Indian Science Congress Association (1991)
 - **Recorder**, Anthropological and Behavioural Sciences, Indian Science Congress Association (2005 and 2006)
 - **National Advisory Committee member** of National Conference on Community Genetics Approach in Prevention of Beta-Thalassaemia, Organized by Anthropological Survey of India, 2008.
 - **Guest of honour**, National seminar on Religio-Cultural Dynamics & Social Exclusion and Inclusion in India, Centre for the Study of Social exclusion and Inclusive policy (CSSEIP), Tripura University (April, 2011)
 - **President, Centenary session of Indian Science Congress (Section: Anthropological and Behavioural Sciences)**, 2013
 - **Chairperson**, International Seminar on Tribal Health: Issues, Challenges & Opportunities, Tripura University, Tripura (April 22-27, 2015)
 - **Former Senate member**, University of Calcutta
 - **Outstanding Scientist Award Winner**, 2nd International Scientist Awards On Engineering, Science, and Medicine VISA AWARDS 2019 (Visakhapatnam November 16, 2019)
 - **Vice-President, INDIAN ANTHROPOLOGICAL SOCIETY**
- Other notable activities: Training**
- DNA Technology: Diagnosis of disease, sponsored by CSIR, New Delhi, Harvard University, USA (1992), Kolkata
 - Workshop completed (21 days) on Human Genetics, Methods and Paradigm, Sponsored by Department of Biotechnology (DBT), Govt. of India, Organized by Indian Statistical Institute (ISI), Kolkata and Indian Institute of Chemical Biology (IICB) (1998)

OTHER ACADEMIC ACTIVITIES:

- **Visitor abroad: Mahidol University and Khon Kaen University, Thailand (Discussion and future collaboration (24-30 November, 2023))** (<https://www.ph.mahidol.ac.th/ir/2023/30112023/>), (<https://www.ph.mahidol.ac.th/ir/2023/30112023/>)
- **Visitor abroad: 57th congress of Anthropological Society Serbia (Invited Lecture)**
- **Program Committee Member** The 5th Int'l Conference on Gynaecology, Obstetrics and Reproductive Medicine (GORM 2023) (December 15-17, 2023) (<https://www.janconf.org/conference/GORM2023/>)
- **Advisory Board and Faculty Member: LIVING WITH CANCER IN THE 21ST CENTURY. 5th Global Cancer Summit – 2022, International Collaborative Conference** (<http://www.globalcancersummit.com/advisory-board-and-faculty/>) (May 22, 2022)
- **Visitor abroad: Paleo ethnology Research Centre, Moscow, Russia (January –February, 2022) (Resource parson in conference and fieldwork, laboratory work methodology)**
- **Advisory Board and Faculty Member: 3rd WORLD CONGRESS ON CARDIAC SCIENCES – 2022** (<http://www.cardiacsciencesconference.com/advisory-board-and-faculty/>) (January)
- **Advisory Board and Faculty Member: 4th Global Cancer Summit – 2021, International Collaborative Conference** (<http://www.globalcancersummit.com/advisory-board-and-faculty/>)
- **Member of the Program Committee** World Congress on Breast Cancer, Gynecology and Women Health (CPD Accredited), Bangkok September 06-07, 2018
- **Member of the Program Committee** The International Conference on Gynecology, Obstetrics and Reproductive Medicine (GORM 2018) Bangkok 5-7, January 2018
- **Visitor abroad: The Roslin Institute, University of Edinburgh, Scotland, UK (2015) (British Council collaboration Project)**
- **Convener (Former)**, PhD Committee in Anthropology, University of Calcutta.
- **Member**, PhD Research Advisory Board, in Anthropology, University of Calcutta
- **Coordinator (Former)**, PG Course in Human Rights, University of Calcutta
- **Member, PG Board of Studies**
- Introduction of Biological Anthropology as specialization in Postgraduate syllabus in Anthropology, Palli Charcha Kendra, Visva-Bharati (Academic session 2000)
- Subject Expert Member of The Syllabus Revision Committee (Under Graduate), West Bengal State Council of Higher Education, India
- PhD thesis evaluator of Indian Universities.
- Editorial Board member: The Journal of Biology, Indian Journal of Physical Anthropology & Human Genetics, Anthropology and Ethnology Open Access Journal, occasional reviewer of other National and International journals
- Fieldwork in Eastern and North East Indian
- **Joint Secretary** International Union of Anthropological and Ethnological Sciences, Kolkata (2005)
- **Head of the Department of Anthropology**, UCSTA, University of Calcutta: 1.01. 2004 to 31.12.2005
- **Interim, Head of the Department of Anthropology**, UCSTA, University of Calcutta: 23.10.2007 to 09.11.2007
- **Head of the Department of Anthropology**, UCSTA, University of Calcutta: 1.01. 2008-31.12.2009
- **Head of the Department of Anthropology**, UCSTA, University of Calcutta: 01.09.2014-31.08.2016
- **Head of the Department of Anthropology**, UCSTA, University of Calcutta t: 01.09.2018- 01.11.2020

Chairperson of different sessions:

- Chairperson INTERNATIONAL SEMINAR ON Rural Development in Asia-Pacific Region Special reference to North-East India and its Bordering countries. (Technical Session –VI: Health and Other Social Issue) 24-28 August, 2020 (Online)
- *49th Annual Conference of Indian Anthropological Society National Seminar* (Binoba Vabe University, Hazaibagh, Jharkhand October 14-16, 2019)

- National Seminar on Converging Spectrum of Anthropology with special emphasis on Assam and adjoining areas on (Gauhati University, Assam, March 14 and 15, 2019) Indian Anthropology Congress – 2018 Indian National Confederation and the Academy of Anthropologists.
- *National Seminar on Anthropology, Tribal Policies and Tribal development in India.* West Bengal State University, Barasat (March 21-22, 2016)
- *Indian Anthropological Congress.* (Assam University, Diphu Campus, Assam. February 21-23, 2016)
- *44th Annual Conference of Indian Anthropological Society Golden Jubilee National Seminar* (Raipur 17th- 19th Jan 2014)
- *Indian Anthropological Conference* (Dibrugarh 21st-23rd Feb 2014)
- *National Seminar on Contemporary Issues in Human Biology in the 21st Century Punjabi University, Patiala* (March 31 and April 1, 2012)
- *National seminar on Religio-Cultural Dynamics & Social Exclusion and Inclusion in India,* Centre for the Study of Social exclusion and Inclusivepolicy (CSSEIP), Tripura University (April, 2011)
- *Digital and Forensic Evidence in Indian Criminology Congress,* 1st International and 30th All India Criminology Conference of the Indian Society of Criminology Organized by Department of Law, University of Calcutta (Post-Centenary Golden Jubilee Celebration (2006-2007)

Class taught

Theoretical

Primate evolution and hominid evolution
 The primate radiations to the hominids; the early hominids
 Linkage, Linkage disequilibrium and chromosome mapping, sex linkage
 Population genetics
 Twin genetics
 Mutations: chromosomal, genomic, and genic, gene enzymes
 Human Variation: Serological variants: ABO, Rh, MNSs and HLA,
 Electrophoretic variants: G6PD, ESD, PGM, HP and Tf. DNA variants:
 Thalassemia mutants, RFLP, VNTR, STR, SNP mitochondrial DNA.
 General theories of population genetics
 Genetic counseling
 Forensic anthropology
 Reproductive systems: Evolution of male and female gonads, Embryological development of gonads, gonadal ducts and external genitalia. Wolffian duct structural organisation and function; Mullerian duct structural organisation and function. Evolution of Mullerian duct and adaptations for pregnancy. Human reproductive System. Cycles of spermatogenesis and oogenesis. Male and female hormones with special reference to hypothalamus-pituitary system.

Practical:

Craniometry,
 Osteometry,
 Hair studies (Histomorphological & Quantitative),
 Blood group: techniques, titration, Family study.
 Dermatoglyphics: Techniques of taking prints, Study of Fingerprints, palm prints, Main Line formula, Mainline index and Transversality, Family study,
 Cytogenetics (Inactivated X chromosome).
 DNA isolation and amplification of DNA with PCR technique.
 Electrophoresis of Genetic Markers (Hemoglobin, Serum Protein, Molecular Markers)