Curriculum Vitae

Name ARNAB GHOSH

Department Anthropology

Highest Qualification Ph.D. (University of Calcutta)

Date of Joining August 17th, 2004

Designation Professor in Biological Anthropology

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Research Specializations

Modelling of Cardiovascular Disease (CVD) Risk Factors
Hormone Homeostasis in Cardiometabolic Diseases
Childhood Obesity
Heritability Estimation of CVD Risk Factors
Clinical Nutrition and Body Composition
Public Health Genomics
Biological Ageing
Lipids Metabolism and Pregnancy Outcomes
Physiological Anthropology
Spirometry based lung function measures

Ph.D. Supervision:

Ph.D. Awarded: Four (04)
Current Scholars: Five (05)

Research Publications (Selected):

Ghosh A. 2004, Receiver operating characteristic (ROC) curve analysis in 5-10 year old Bengalee girls children of Calcutta, India. *Annals of Human Biology* **31** (3): 364-369 (DOI: 10.1080/03014460410001670139)

Ghosh A. 2005, Factor analysis of metabolic syndrome among the middle aged Bengalee Hindu men of Calcutta, India. *Diabetes Metabolism Research and Reviews* **21** (1): 58-64 (DOI: 10.1002/dmrr.481)

Ghosh A. 2006, Effects of daily exercise on blood pressure, plasma glucose and obesity measures in 55-64 years old obese Asian Indian men: the Calcutta longitudinal study. *American Journal of Human Biology* **18** (5): 718-721 (DOI: 10.1002/ajhb.20545)

Ghosh A. 2006, Discriminant analysis by anthropometric measures in elderly Bengalee Hindus of Calcutta, India. *Anthropologischer Anzeiger* **64** (1): 91-96 (https:// pubmed.ncbi.nlm.nih.gov/16623092)

Ghosh A. 2006, Anthropometric, metabolic and dietary fatty acids profiles in lean and obese diabetic Asian Indian subjects. *Asia Pacific Journal of Clinical Nutrition* **15** (2): 189-195

(https://pubmed.ncbi.nlm.nih.gov/16672202)

Ghosh A. 2007, Factor analysis of risk variables associated with metabolic syndrome in Asian Indian adolescents. *American Journal of Human Biology* **19** (1): 34-40 (DOI 10.1002/ajhb.20570)

Ghosh A. 2007, Comparison of anthropometric, metabolic and dietary fatty acids profiles in lean and obese dyslipidaemic Asian Indian subjects. *European Journal of Clinical Nutrition* **61** (3): 412-419 (doi:10.1038/sj.ejcn.1602534)

Das M, Pal S and Ghosh A. 2008, Angiotensin converting enzyme gene polymorphisms (Insertion/Deletion) and hypertension in adult Asian Indians: a population based study from Calcutta, India. *Human Biology* **80** (3): 303-312 (http://www.jstor.org/stable/41466544)

Das M, Pal S and Ghosh A. 2009, Synergistic effects of ACE (I/D) and Apo E (HhaI) gene polymorphisms among the adult Asian Indians with and without metabolic syndrome. *Diabetes Research and Clinical Practice* **86** (12): e58-e61 (doi:10.1016/j.diabres.2009.09.011)

Bhagat M, Mukherjee S, De P, Goswami R, Pal S, Das M and Ghosh A. 2010, Clustering of cardiometabolic risk factors in Asian Indian women: Santiniketan women study. *Menopause* **17** (2): 359-364 (DOI: 10.1097/gme.0b013e3181bfac28)

Ghosh A, Liu T, Khoury MJ and Valdez R. 2010, Family history of diabetes and prevalence of the metabolic syndrome in U.S. adults without diabetes: 6-year results from the national health and nutrition examination survey (1999-2004). *Public Health Genomics* **13** (6): 353-359 (DOI: 10.1159/000262330)

Ghosh A, Dutta R and Sarkar A. 2010, Heritability estimation of conventional cardiovascular disease risk factors in Asian Indian families: the Calcutta family study. *Indian Journal of Human Genetics* **16** (1): 28-32 (doi: 10.4103/0971-6866.64944)

Ghosh A and Bala SK. 2011, Anthropometric, body compositions and blood pressure measures among rural elderly adults of Asian Indian origin: the Santiniketan ageing study. *Journal of Nutrition in Gerontology and Geriatrics* **30** (3): 305-313 (https://doi.org/10.1080/21551197.2011.591273)

Ghosh A. 2011, Rural-urban comparison in prevalence of overweight and obesity among children and adolescents of Asian Indian origin. *Asia Pacific Journal of Public Health* **23** (6): 928-935 (doi: 10.1177/1010539511428697)

Ghosh A. 2011, The metabolic syndrome: a definition dilemma. *Cardiovascular Journal of Africa* **22** (6): 295-296 (https://journals.co.za/doi/10.10520/EJC23557)

Das M, Pal S and Ghosh A. 2012, Interaction of physical activity level and metabolic syndrome among the adult Asian Indians living in Calcutta, India. *Journal of Nutrition Health and Aging* **16** (6): 539-543 (https://doi.org/10.1007/s12603-012-0019-y)

Ghosh A. 2012, Anthropometric and body composition characteristics during pregnancy: A study from West Bengal, India. *HOMO: Journal of Comparative Human Biology* **63** (3): 233-240 (https://doi.org/10.1016/j.jchb.2012.03.003)

Nag T and Ghosh A. 2013, Cardiovascular disease risk factors in Asian Indian population: A systematic review *Journal of Cardiovascular Disease Research* **4** (4): 222-228 (http://dx.doi.org/10.1016/j.jcdr.2014.01.004)

Ghosh A. 2014, Explaining overweight and obesity in children and adolescents of Asian Indian origin: the Calcutta childhood obesity study. *Indian Journal of Public Health* 58 (2): 125-128 (DOI: 10.4103/0019-557X.132290)

Nag T and Ghosh A. 2015, Cardiometabolic risk factors and TV watching in a rural community in West Bengal, India. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* **9** (3): 147-152 (https://doi.org/10.1016/j.dsx.2015.04.013)

Nag T and Ghosh A. 2016, Indian diabetes risk score and clustering of metabolic syndrome phenotype in a rural community of Asian Indian origin. *Diabetes Research and Clinical Practice* **112** (2): 44-49 (http://dx.doi.org/10.1016/j.diabres.2015.11.005)

Nag T and Ghosh A. 2016, Cardiovascular disease risk factor clustering among rural adult population in West Bengal, India. *Obesity Research and Clinical Practice* **10** (2): 124-132 (https://doi.org/10.1016/j.orcp.2015.05.003)

Mitra M and Ghosh A. 2019, Cardiometabolic risk factors and pregnancy outcomes: a systematic review. *Journal of Cardiovascular Disease Research* **10** (3): 87-93 (DOI: 10.5530/jcdr.2019.3.18)

Das N and Ghosh A. 2020, Psychometric validation of a nutrition knowledge questionnaire among parents of 3 to 6 years old Asian Indian children in East Barddhaman District, West Bengal, India. *Indian Journal of Community Medicine* **45** (2): 130-134 (DOI: 10.4103/ijcm.IJCM_347_19)

Mitra M and Ghosh A. 2020, Factor analyses of metabolic syndrome: a systematic review with special reference to Asian Indians. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* **14** (4): 697-705 (https://doi.org/10.1016/j.dsx.2020.05.014)

Das M and Ghosh A. 2021, Age and sex variation of spirometry based lung function measures in children and adolescents of Asian Indian origin
Journal of Cardiovascular Disease Research **12** (6): 1158-1168 (https://doi.org/10.48047)

Mitra M and Ghosh A. 2022, Anthropometric and body composition characteristics in geriatric population with special reference to the Asian Indians: a systematic review
Indian Journal of Gerontology **36** (4): 496-517

Das M and Ghosh A. 2024, Estimation of heritability of anthropometry, body composition and blood pressure measures using different methods
African Journal of Biological Sciences **6** (5): 6642-6649 (https://doi.org/ 10.33472/AFJBS.6.5.2024. 6642-6649)

Das M, Ghosh RK and Ghosh A. 2025, Association between anthropometry and spirometry-based lung function measures among Bengali children and adolescents of Asian Indian origin
Preventive Medicine: Research & Reviews **2** (4): 178-182 (10.4103/PMRR.PMRR_208_24)

Khanra B and Ghosh A. 2025, Single nucleotide polymorphism and cardiovascular disease: a systematic review
Journal of Cardiovascular Disease Research **16** (7): 202-221 (https://doi.org/10.48047)

Mandal S and Ghosh A. 2026, Addressing the role of millet based supplementary food for growth, development and anaemia in children and adolescents of Asian Indian origin: a systematic review
Indian Journal of Applied Research **16** (4):62-64 (https://www.doi.org/10.36106/ijar)

Das P and Ghosh A. 2026, A systematic review on solid waste disposal and human health risk
Indian Journal of Applied Research **16** (6): 26-32 (https://www.doi.org/ 10.36106/ijar)

Research Projects (Selected):

‘Overweight and Obesity in Children and Adolescents: Relationship with Lipids Profile, Insulin, Apolipoproteins, Glucose, Blood Pressure, Physical Activity and Diets’ - Funded by the University Grants Commission (UGC), Government of India, New Delhi.

	'Socioeconomic and Behavioural Characteristics in Explaining Obesity: A Study on Adult Asian Indians in Calcutta' - Funded by the Indian Council of Medical Research (ICMR), Government of India, New Delhi
	'Prevalence of obesity and selected risk factors among the tribes of India'- Funded by the Indian Council of Medical Research (ICMR), Government of India, New Delhi
	'Assessment of Knowledge, Attitude, Belief and Practice of the Women in Kolkata towards Cervical Cancer and its Risk Factors' - Indian Council of Social Science Research (ICSSR), Government of India, New Delhi
Award(s):	International Fellow-Indian Council of Medical Research (ICMR), Government of India, New Delhi
	Postdoctoral Fellow- Department of Biotechnology, Government of India, New Delhi
Editorial Board Member	Journal of Cardiovascular Disease Research
	Diabetes & Metabolic Syndrome: Clinical Research & Reviews
Important Links:	
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