

Curriculum Vitae of

Raja Chakraborty, PhD

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Bidhanpally
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Date of Birth: 08.12.1974

Education:

- i) **Ph.D.** in ANTHROPOLOGY from Vidyasagar University, Midnapore, West Bengal, in 2011. Title of the Thesis: Nutritional status of Bengalee adult males in Bidhan Colony: an urban slum in Dum Dum, West Bengal.
- ii) **M.Sc.** in ANTHROPOLOGY from the University of Calcutta in 1997 with specialization in PHYSICAL ANTHROPOLOGY. (FIRST CLASS).
- iii) **B.Sc.** in ANTHROPOLOGY (Honours / Major) from the University of Calcutta in 1995. (FIRST CLASS FIRST)

Post-Doctoral Fellowship:

International Visiting Scientist Fellowship awarded by Indian National Science Academy (INSA) and Polish Academy of Sciences (PAS) under the INSA-PAS Bilateral Exchange Programme 2015 (Visited Polish Academy of Science during August to October 2015).

Membership in Learned Institution / Society:

1. Life member, Indian Statistical Institute
2. Member, German Auxological Society, Kiel, Germany.

Teaching experience:

Undergraduate courses: 17 years as on 01.10.2018. (Anthropology Honours/Major and General courses)

- i) As Lecturer from 01.10.2001 to 31.12.2005.
- ii) As Assistant Professor (AGPB 1) from 01.01.2006 to 30.9.2007
- iii) As Assistant Professor (AGPB 2) from 01.10.2007.
- iv) As Assistant Professor (AGPB 3) from 01.10.2012 to 30.9.2015.
- v) As Associate Professor (AGPB 3) from 01.10.2015 (Contd).

Postgraduate Course: 01 year (Anthropology Masters General and Biological Anthropology Special Papers in West Bengal State University, Barasat, West Bengal)

Administrative Experience:

- i) 2 years in Indian Museum (IM), Kolkata (1999-2001).
- ii) Headed the Department of Anthropology, Dinabandhu Mahavidyalaya, Bongaon, as the 'Senior-most Teacher' (Nov. 2011 to July 2016).
- iii) HOD of the Department of Anthropology, Dinabandhu Mahavidyalaya (August 2016 to 09.9.2018).

Publications

A) Book:

1. Kaushik Bose and **Raja Chakraborty** (Editors). *Health Consequences of Human Central Obesity*. New York: Nova Science Publishers, Inc. 2014. (ISBN 978-1-633-21-152-0).
2. Slawomir Koziel, **Raja Chakraborty** and Kaushik Bose (Editors). *Biological Implications of Human Mobility*. New York: Nova Science Publishers, Inc. 2016. (ISBN: 978-1-63485-659-1).

B) Global Public Health Policy Report

Alice M. Tang, Mei Chung, Kimberly Dong, Christine Wanke, Paluku Bahwere, Kaushik Bose, **Raja Chakraborty**, Karen Charlton, Steven Hong, Phuong Nguyen, Cecilie B. Patsche, Megan Deitchler, Zeina Maalouf-Manasseh. *Determining a Global Mid-Upper Arm Circumference Cutoff to Assess Underweight in Adults (Men and Non-pregnant Women)*. Washington, DC: FHI 360/FANTA, June 2017.

[Link: <https://www.fantaproject.org/sites/default/files/resources/Global-MUAC-Cutoffs-nonPregnant-Adults-Jun2017.pdf>]

C) Research Articles (Starting from the latest) [*Corresponding author, IF: Impact factor]

i) Articles in peer-reviewed journals:

1. Das P, Khatun A, Bose K, **Chakraborty R***. (2018) The validity of MUAC as indicator of low BMI in population screening for undernutrition: A study among adult slum dwellers in Eastern India. *Public Health Nutrition* 21(14): 2575-2583 (ISSN: 1368-9800 (Print), 1475-2727 (Online) Cambridge Univ. Press). IF: 2.33. DOI: <https://doi.org/10.1017/S1368980018001301> (**UGC 32261**).
2. Koziel S, Kociuba M, **Chakraborty R***, Sitek A, Ignasiak Z. (2018). Further evidence of association of low second-to-fourth digit ratio (2D:4D) with selection in uniformed services – a study among police personnel from wroclaw, Poland. *Journal of Biosocial Science*. 50(4): 527-539 (EISSN: 1469-7599; DOI: <https://doi.org/10.1017/S0021932017000438>. Cambridge University Press). IF: 1.188. (**UGC 21667**).
3. Koziel S, **Chakraborty R**, Bose K. (2017) Relationship between temperament and fatness in 11 years old children and 17 years old adolescents from Wrocław, Poland. *Homo – Journal of Comparative Human Biology* 68(6): 479-486 (ISSN: 0018-442X; Elsevier), DOI: <https://doi.org/10.1016/j.jchb.2017.10.002>. IF: .655. (**UGC 18273**).
4. Koziel S, Kociuba M, **Chakraborty R**, Ignasiak Z. (2017) Physical fitness and digit ratio (2D:4D) in male students from Wrocław, Poland. *Collegium Antropologicum* 41(1): 25-30. (ISSN: 1848-9486). **UGC 16140**.
5. Mistri A, **Chakraborty R***. (2017) Self-reported morbidity as a sensitive indicator of variation in anthropometry and body composition among urban slum dwelling adult males in West Bengal, India. *Journal of Life Science* 9(2):80-87 (ISSN: 0975 – 1270; Kamla Raj-Taylor & Francis). DOI: [10.1080/09751270.2017.142112](https://doi.org/10.1080/09751270.2017.142112)).
6. Koziel S, **Chakraborty R**, Dariusz Danel, Boryslawski K. (2017) Is increased facial asymmetry associated with the use of hormonal contraceptive among polish young women in wroclaw? *Collegium Antropologicum* 41(1): 39-43. (ISSN: 1848-9486). **UGC 16140**.

7. Kociuba M, Koziel S, **Chakraborty R***, Ignasiak Z. (2016) Sports preference and digit ratio (2D:4D) among female students in Wrocław, Poland. *Journal of Biosocial Science* 49(5):623-633. DOI: <http://dx.doi.org/10.1017/S0021932016000523> (EISSN: 1469-7599; Cambridge University Press). IF: 1.188. **UGC 21667**.
8. Koziel S, Kociuba M, Ignasiak Z, **Chakraborty R**. (2016) Is sports choice and participation related to 2D:4D? A study among adult male students in Wrocław, Poland. *Collegium Antropologicum*. 40(2): 105-110. (ISSN: 1848-9486). **UGC 16140**
9. Kociuba M, Koziel S, **Chakraborty R***. (2016) Sex differences in digit ratio (2D:4D) among military and civil cohorts at a military academy in Wrocław, Poland. *Journal of Biosocial Science* 48(5):658-671. Published online on 23 November 2015. doi: 10.1017/S0021932015000401 (EISSN: 1469-7599; Cambridge University Press). IF: 1.188. **UGC 21667**.
10. **Chakraborty R***, Mukherjee T, Jana S, Koziel S, Boryslawski K, Bose K. (2014) Association of second to fourth digit length ratio (2D:4D) with some anthropometric measurements: a comparison between Polish and Indian young adults aged 18-25 years. *Human Biology Review* 3(4): 315-326. (ISSN 2277-4424).
11. **Chakraborty R**, Bose K. (2014) Defining malnutrition in India: how much is too little, how much is too much? *Current Science* 106(5): 670-672. (IF: 0.833 in 2013). **UGC 14405**
12. Biswas S, Koziel S, **Chakraborty R***, Bose K. (2013) Impact of household room-sharing and sibling composition on attainment of menarche among rural Bengalee girls of West Bengal, India. *Human Biology* 85(4):607-617. [ISSN Print: 0018-7143, Online: 1534-6617; Impact Factor (IF) = 1.522]. **UGC 29558**.
13. Koziel S, **Chakraborty R**, Sitek A. (2013) Second to fourth digits ratio (2D:4D) and subjective pain experience in tattooing. *Anthropological Review* 76(1):117-124. **UGC 15776**
14. Bhadra M, Mukhopadhyay A, Chakraborty R*, Bose K, Koziel S, Ulijaszek S. (2013) Variation in relative fat distribution and menarcheal status of Bengalee Hindu girls of North 24 Parganas, West Bengal, India. *J Nat Sci Biol Med* 4:369-373 [ISSN: Print -0976-9668, Online - 2229-7707].
15. De K, Das S, Bose K, **Chakraborty R***. (2013) Nutritional status of rural Bengalee girls aged 10-18 years of Salboni, Paschim Medinipur, West Bengal, India. *Asian Journal of Biological and Life Sciences* 2(1): 68-72. [ISSN: Print 2278-747X, Online 2278-5957].
16. **Chakraborty R**, Bose K. (2012) Comparison of body adiposity indices in predicting blood pressure and hypertension among slum-dwelling men in Kolkata, India. *Malaysian Journal of Nutrition* 18 (3): 319- 32. **UGC 5772**.
17. **Chakraborty R**, Bose K, Koziel S. (2011) Waist circumference in determining obesity and hypertension among 18-60 years old Bengalee Hindu male slum dwellers in Eastern India. *Annals of Human Biology* 38(6): 669–675. (IF: 1.713). **UGC 15571**
18. **Chakraborty R**, Bose K, Koziel S. (2011) Use of Mid-upper arm circumference in determining undernutrition and illness in rural adult Oraon men of Gumla District, Jharkhand, India. *Rural and Remote Health* 11: 1754 (online). Available at: <http://www.rrh.org.au>. (IF: 0.979). **UGC 23655**

19. **Chakraborty R**, Bose K, Koziel S. (2011) Use of waist circumference and its optimal value to identify obesity in relation to hypertension: a cross-sectional study among adult male slum dwellers of Eastern India. *Italian Journal of Public Health* 8(2):137-148. (IF: 0.244)
20. Biswas S, Bose K, Bisai S, **Chakraborty R**. (2009) Prevalence of thinness among rural Bengalee pre-school children in Chapra, Nadia District, West Bengal, India. *Malaysian Journal of Nutrition* 15(2): 155-194. (Citation Index (CI): 0.316). **UGC 5772**.
21. **Chakraborty R**, Bose K. (2009) Very high prevalence of thinness using new international body mass index cut off points among 5-10 year old school children of Nandigram, West Bengal, India. *Journal of Research in Medical Sciences* 14 (2):129-33. (IF: 0.684). **UGC 20315**
22. **Chakraborty R**, Bose K, Ulijaszek SJ. (2009) Income Level and Food Intake Patterns among Male Bengalee Slum Dwellers in Kolkata, India. *Malaysian Journal of Nutrition* 15(1): 19-25. (CI: 0.316). **UGC 5772**.
23. **Chakraborty R**, Bose K, Bisai S, Khongsdier R. (2009) Body mass index and body fat among adult Bengalee male slum dwellers in West Bengal, India. *Obesity Research and Clinical Practice*; 3:141-8. (IF: 2.09). **UGC 27199**.
24. **Chakraborty R**, Bose K, Bisai S. (2009) Body mass index and blood pressure among adult Bengalee male slum dwellers of Kolkata, India. *Journal of Public Health* 17:301-08. (IF: 0.624).
25. **Chakraborty R**, Bose K, Bisai S. (2009) Relationship of family income and house type to body mass index and chronic energy deficiency among urban Bengalee male slum dwellers of Kolkata, India. *Homo: Journal of Comparative Human Biology* 60(1), 45-57. (IF: 0.96). **UGC 18273**.
26. **Chakraborty R**, Bose K, Bisai S. (2009) Mid-upper arm circumference as a measure of nutritional status among the adult Bengalee male slum dwellers of Kolkata, India: relationships with self reported morbidity. *Anthropologischer Anzeiger* 67 (2): 129-37 (ISSN 0003 5548; IF 2009: 0.535). **UGC 15781**.
27. **Chakraborty R**, Bose K. (2009) Central Adiposity, Body Mass Index and Percent Body Fat among Bengalee Hindu Male Slum Dwellers of Dum Dum, West Bengal, India. *The Open Obesity Journal* 1: 32-37. ISSN: 1876-8237 [DOI: 2174/1876823700901010032]
28. **Chakraborty R**, Bose K. (2008) Anthropometric characteristics and nutritional status of adult Oraon men of Gumla District, Jharkhand, India. *The Internet Journal of Biological Anthropology* 2(1). (IF: 0.40) ISSN: 1939-4594
29. **Chakraborty R**, Bose K. (2008) Central adiposity measures of Bengalee male slum dwellers. *International Journal of Body Composition Research* 6(3): 122–126. (IF: 0.74). ISSN: 1479-456X.
30. **Chakraborty R**, Bose K, Bisai S. (2006) Body mass index and chronic energy deficiency among urban Indian male slum dwellers of Indian, India: relationship with family income. *International Journal of Anthropology* 21: 209–215.
31. **Chakraborty R**, Mukhopadhyay A, Bose K. (2006) Age and sex variation in some anthropometric parameters with reference to Undernutrition in rural Bengalee primary school children of East Midnapore district, West Bengal. *Journal of Indian Anthropological Society* 42 (2): 177-182.

ii) Articles as book chapters:

32. **Chakraborty R**, Koziel S, Bose K. Is the effect of age on diastolic blood pressure modified by the age at migration? A study among the adult male slum dwellers in Eastern India. In: Koziel S, Chakraborty R, Bose K (Editors). *Biological Implication of Human Mobility*. New York: Nova Science Publishers, Inc. 2016. (ISBN: 978-1-63485-659-1). Pp. 27-40.
33. **Chakraborty R**, Bose K. Impact of age and socio-economic status on waist circumference among male urban slum dweller near Kolkata, West Bengal, India. In: Bose K, Chakraborty R (Editors): *Health Consequences of Human Central Obesity*. 2014. New York: NOVA Science Pub. (ISBN: 978-1-63321-152-0). Pp. 151-162.
34. **Chakraborty R**, Mistri A. Anthropometry and undernutrition among the adult Bengalee males in a slum in Eastern India: a comparative assessment. In: Bose K (Editor): *Human Undernutrition: dual burden of under- and overnutrition*. 2012. New York: NOVA Science Pub. (ISBN: 978-1-62417-043-0). Pp. 227-238.
35. **Chakraborty R**, Bose K, Bisai S. Use of Mid-upper arm circumference as a measure of nutritional status and its relationships with self reported morbidity among the adult Bengalee male slum dwellers of Kolkata, India. In: S J Ellsworth, R C Schuster (Eds). *Appetite and Nutritional Assessment*. New York: NOVA Science Pub Inc. 2009; pp 377-385. (ISBN: 978-1-60741-085-0). [The above article was also published in: Jacob K. Levine (Editor). *Low Incomes: Social, Health and Educational Impacts*. New York: NOVA Science Pub Inc. 2009; pp 207-215.](ISBN: 978-1-60741-175-8)
36. Bose K, Bhunia D, Paul G, Mukhopadhyay A, **Chakraborty R**. Age and sex variations in undernutrition of rural Bengalee primary school children of East Midnapore district, West Bengal, India. *Journal of Human Ecology* (Special Issue on: *Ecology, Culture, Nutrition, Health and Disease*; Ed by K Bose) **2006**; 14:71-75.
37. Datta Banik S, **Chakraborty R**. Culture contact of Santals with Hindu castes in two different social environments. In the In: *Sustainable Development and Environment*. (Eds: A.K. De; A.K. Mitra; N.C Datta and T.R.C. Sinha) Cosmo Pub. New Delhi. 1998, pp. 479 – 483.

Lectures delivered

Invited Lectures (Abroad):

1. Delivered invited lecture on *Facial asymmetry and the use of hormonal contraception* in the Polish Academy of Science Anthropology Unit in Wrocław, on 21 October 2015.
2. Delivered invited lecture entitled: *Is undernutrition in India really worse? An anthropological view* in a meeting of Polskie Towarzystwo Antropologiczne (Polish Anthropological Society) held in the Department of Human Biology, University of Wrocław, Wrocław, Poland on 22 October, 2015.

Invited Lectures (India):

1. Delivered invited lecture entitled: “Studies on second-to-fourth digit ratio (2D:4D), an indicator of intrauterine endocrine environment: the scope of research in India” at the National Seminar organised by and held at the Department of Anthropology, University of Calcutta on 28 Mar 2018.
2. Delivered invited lecture entitled ‘Public Health Nutrition in India: Role and prospects of Anthropology’ at Mrinalini Datta Mahavidyapith, Birati, West Bengal, on 08 Dec, 2017.
3. Delivered invited lecture on ‘Connect with Nature’ at Anthropological Survey of India, Eastern Regional Office, Kolkata, on 05 June, 2017.
4. Delivered invited lecture entitled “Tribal undernutrition in India: ways towards public health anthropology” in national seminar on “Indian Tribes: Planning for integrated and inclusive development” held at the Department of Anthropology, Vinoba Bhave University, Hazaribag, Jharkhand, on 26-27 April, 2017.
5. Delivered invited lecture entitled “Malnutrition in India: do we need to think for a while from some other angles?” in national seminar on “Role of anthropology in public health” held at Department of Anthropology, Sree Chaitanya College, Habra, West Bengal, on 18-19 March, 2017.
6. Delivered invited lecture entitled “Recent trends in the applications of anthropometry in public health” in the International Lecture Workshop on Application of Anthropometry in Public Health, at Acharya Prafulla Chandra College, New Barrackpore, West Bengal on 06 March, 2016.
7. Delivered invited lecture on ‘Bhutias of Sikkim: in Anthropological eyes’ in a seminar on Anthropologists and Film Makers View Sikkim at the Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, India on 28-29 August 2012.
8. Delivered invited lecture on ‘Origin of Man’ at Chandpara Bani Vidya Bithi High School, Chandpara, West Bengal, on 14 August 2010.

Presentation of Research papers in conferences/seminars/workshop:

1. Presented a paper entitled “Severe natural disaster may affect the body proportions in early childhood: A study on children who were intrauterine during a severe cyclone in Sunderbans Islands, India” at the 18th IUAES World Congress, on 18 July 2018.
2. Presented a paper entitled “Age at migration is associated with diastolic blood pressure among adult Bengalee male slum dwellers” in a National seminar on “Human Diversity...” organized by and held in Indian Statistical Institute, Kolkata, on 26-27 March 2015.
3. Presented a paper entitled ‘Education Humanism and health: a bio-anthropological observation’ in the UGC Sponsored State Level Seminar on Education for Humanism: Issues and Challenges held at Dinabandhu Mahavidyalaya, Bongaon, West Bengal, India, on 28 September 2012.
4. Presented a paper entitled ‘ Anthropometric and nutritional status among male urban slum dwellers near Kolkata, West Bengal, India’ in the UGC sponsored National Seminar on Diversity, Social Exclusion, Backwardness and Development at Department of Anthropology, Calcutta University, Kolkata, India on March 25, 2011.

5. Presented a paper entitled ‘Anthropometry and socio-economic status of male slum dwellers, in an urban set up’ in the Golden Jubilee National Seminar of the Indian Anthropological Society, held at Ranchi, Jharkhand, India on 18 December 2010.
6. Presented a paper on ‘Nutritional status of Bengalee males.....relationship with family income’ in a National seminar on “Approaching Development” at the Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, India on 28-29 March 2007.
7. Presented a Poster-paper entitled ‘Prevalence of overweight.....West Bengal’ in the 93rd Indian Science Congress held at Acharya N G Ranga Agricultural University, Hyderabad, between 03 and 07 January, 2006.
8. Presented a paper entitled ‘Age and sex variation in undernutrition of rural Bengalee primary schoolchildren of East Midnapore District, West Bengal, India’ in the 37th Annual Conference of Indian Anthropological Society held at New Digha, East Midnapore district, West Bengal, India, between 27 and 29 March, 2005.
9. Presented a paper entitled ‘The new burden of urban diseases in India: what Anthropologists can do here?’ at the Inter-Congress of International Union of Anthropological and Ethnological Sciences (IUAES) held at Calcutta University on 12-15 December, 2004.
10. Presented a paper, jointly with S. Datta Banik, entitled ‘Culture contact of Santals with some Hindu castes in two different social environments’ in The XIth Annual International Conference of National Environmental Science Academy held at Lady Brabourne College, Calcutta, between 17 and 17 March, 1996.

Research Collaborations

1. Tufts University School of Medicine, **Boston, USA** (2015- 2017).
2. Profesor Slawomir Koziel, Hirszfeld Institute of Immunology and Experimental Therapy Polish Academy of Sciences, **Poland**. (Continuing). E-mail: slawomir.koziel@antropologia.pan.pl
3. Professor Kaushik Bose, Department of Anthropology, Vidyasagar University, Midnapore, **West Bengal, India** (Continuing). E-mail: kaushikbose@cantab.net
4. Professor Stanley Ulijaszek, University of **Oxford, UK** (during 2009, 2012).
E-mail: stanley.ulijaszek@anthro.ox.ac.uk
5. Professor Zofia Ignasiak, Faculty of Physical Education, University School of Physical Education in Wrocław, Wrocław, **Poland**. (2016).
6. Tribal research and Training Centre (N.G.O.), Chaibasa, **Jharkhand, India**.

Research Consultancy

1. Acted as a **member of the Technical Advisory Group** of a project called “Individual Participant Data Meta-analysis” on ‘the use of standardized MUAC cutoffs as indicators of moderate and severe acute malnutrition among non-pregnant adults’ conducted by Tufts University School of Medicine, **Boston, USA** (2015-16).
2. Acted as **Research Consultant** and Resource Person for **Terra des hommes Foundation, Kolkata** (Indian Chapter).

Member of the Panel of Peer Reviewers / Referees in the following academic Journals:

- i. Journal of Biosocial Science (Cambridge University, UK)
- ii. BMC Paediatrics (USA)
- iii. American Journal of Human Biology (US)
- iv. Annals of Human Biology (UK)
- v. Human Biology (UK)
- vi. Rural and Remote Health (USA)
- vii. Homo: Journal of Comparative human Biology (Germany)
- viii. Biology of Sports (Poland)
- ix. Anthropological Review (Poland)
- x. Malaysian Journal of Nutrition (Malaysia)
- xi. Journal of Anthropology (Egypt and USA)
- xii. International journal of Sociology and Social Policy (India)
- xiii. Ethnicity and Health (USA)
- xiv. Journal of Life Sciences (India)

Research projects

International:

1. Currently undertaking a project, as Indian collaborator, entitled: “Prenatal maternal stress and growth and development of offspring, based on effects of tropical severe cyclone in India” funded by the National Science Centre in Poland (grant no. 2016/21/B/NZ8/02974 dated 24 January 2017).
2. Collaborated as an Indian collaborator in a project entitled: “Global MUAC Cutoffs Research Initiative” undertaken by Food and Nutrition Technical Assistance III Project (FANTA), Public Health and Community Medicine, Tufts University School of Medicine, Boston, US. And supported by the Office of Health, Infectious Diseases, and Nutrition, Bureau for Global Health, U.S. Agency for International Development (USAID), under terms of Cooperative Agreement No. AID-OAA-A-12-00005. (Completed)
3. Undertook a project on Sexual dimorphism of changes of craniofacial dimensions during adolescence under Wroclaw Growth Study in Polish Academy of Science, Poland, during August – October 2015. (Completed).

National:

1. ‘Nutritional status and body composition among the male slum-dwellers’ funded by UGC (MRP grant no. F.PSW-054/03-04 ERO) in 2004-06, as the Principal Investigator. (Completed).
2. ‘Minor Research Project’ funded by UGC (MRP grant no. F.PHW-066/11-12 ERO) entitled ‘Nutritional status and health among urban Bengalee Hindu females in West Bengal’ as the co-investigator with Ms. Arpita Mistri, Asstt. Professor of Anthropology, N. D. College, Howrah, West Bengal, in 2012-14 (Completed).

Name of Referees:

1. Professor Kaushik Bose
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Email: kaushikbose@cantab.net
2. Professor Slawomir Koziel
Hirszfeld Institute of Immunology and Experimental Therapy
Polish Academy of Sciences, Poland. E-mail: slawomir.koziel@antropologia.pan.pl
3. Professor Stanley Ulijaszek, Unit for Biocultural variation and Obesity, University of Oxford, UK.
E-mail: stanley.ulijaszek@anthro.ox.ac.uk