

CURRICULUM VITAE

Dr. Amit Bandyopadhyay

M.Sc., Ph.D., FICN, FPSI

Fellow of International College of Nutrition.
Founder Fellow of The Physiological Society of India.

Assistant Professor

Sports and Exercise Physiology Laboratory
Department of Physiology, University of Calcutta
University Colleges of Science & Technology,
92, A. P. C. Road, Kolkata: 700009, India.
Phone : +91 33 23508386 / 6387 / 6396 (Extn. 317)
Fax : +91 33 23519755, Telegram: SCIENCE



Mobile & WhatsApp : +91 8334870640

e-mail: office : abphys@caluniv.ac.in
personal : bamit74@yahoo.co.in
bamit74@gmail.com

Personal Details

Permanent Residential Address : 40, Beni Banerjee Lane, P.O. Baidyabati,
Dist. Hooghly, West Bengal, Pin: 712 222, India

Present Residential Address : Flat No. 3, 1st Floor, Urmila Apartment,
C-51/2, Brahmapur More, P.O. Brahmapur
Kolkata: 700096, West Bengal, India.

Aadhar Card No. : 7774 7733 7895

ORCID ID : 0000-0002-6811-4587

Educational Qualification :

Sl. No.	Name of the Examination	Year of Passing	Board / University	Subjects	% of Marks	Division or Class
01.	Madhyamik Examination (Class - 10)	1991	West Bengal Board of Secondary Education	Bengali, English, Mathematics, Physical Science, Life Science, History, Geography, Work & Physical Education.	64.55	1 st
02.	Higher Secondary Examination (Class 10+2)	1993	West Bengal Council of Higher Secondary Education	Bengali, English, Physics, Chemistry, Mathematics, Biology	65.9	1 st
03.	B.Sc. (Honours)	1997	University of Calcutta	Physiology (Hons.), Zoology (Pass), Botany (Pass)	63.37	1 st
04.	M.Sc.	1999	University of Calcutta	Physiology (Specialization in Sports & Exercise Physiology)	63.7	1 st
05.	Ph.D.	Title of the thesis : Relationship between body composition and maximum oxygen uptake capacity (Q.C. Test) in sedentary individuals and sportspersons. Conferred by : University of Calcutta (India) Date of submission : 20 th December 2002 Date of Award : 11 th September 2004				

FULL TIME EMPLOYMENT RECORD:

Sl. No.	Name and Address of University / Institution	Period of Service		Designation	Responsibility	Reason for Leaving	Total Period
		From	To				
1.	Department of Physiology, University of Calcutta, India	30.06.2009	Working currently	Assistant Professor	Teaching in M.Sc. Courses (Human Physiology and Sports Science)	-----	-----
2.	School of Health Sciences Universiti Sains Malaysia 16150, Kubang Kerian, Kelantan, Malaysia	29.06.2006	28.06.2009	Senior Lecturer	Teaching Exercise Physiology in B.Sc. and M.Sc. Courses in Sports Science	To join University Of Calcutta	3 years
3.	Institute of Dental Sciences, Bareilly, UP, Pin: 243006, UP, India	19.09.2003	13.06.2006	Assistant Professor	Teaching Physiology in Bachelor of Dental Surgery Course	To join University Sains Malaysia	2 years 9 months

PART TIME EMPLOYMENT RECORD:

Sl. No.	Name and Address of University / Institution	Period of Service From -- To	Designation	Scale of Pay	Responsibility	Reason for Leaving	Total Period
1.	Hooghly Mohsin College, Chinsurah, Hooghly, West Bengal, India	01.12.99 – 28.02.01.	Part-time Lecturer	Rs. 400/ per month	Teaching Physiology in B.Sc. Classes	As per Contract	1 year and 3 months
2.	Bangiya Bijnan Parishad P-23, Raja Rajkrishna St. Kolkata – 700006, India	Apr 2000 – Aug 2003	Part-time Lecturer	Rs. 125/ per Class (1 Hr)	Teaching Physiology in the course of Diploma in Medical Laboratory Technician	To join as a Lecturer in IDS, Bareilly, UP, India	3 Years and 4 months
3.	Serampore College Serampore – 712201, Hooghly, WB, India	16.01.02 – 15.07.02	Part-time Lecturer	Rs. 1000/ per month	Teaching Physiology in B.Sc. Pass and Honours Courses	As per contract	3 Years and 4 months
4.	Vidyasagar College Kolkata – 700006, India	Sept 2002 – Jan 2003	Part-time Lecturer	Rs. 2000/ per month	Teaching Physiology in B.Sc. Pass and Honours Courses	As per contract	5 months
5.	AJC Bose College 1/1B, AJC Bose Road Kolkata – 700020, India	Sept 2002 – Sept 2003	Part-time Lecturer	Rs. 100/ per class (1 Hr)	Teaching Physiology in B.Sc. Pass Courses	To join IDS, Bareilly, UP, India	1 Year and 1 month

Fields of Research Interest:

- Sports and Exercise Physiology
 - Cardiorespiratory fitness
 - Anthropometry
 - Body composition
 - Pulmonary function testing
 - Anaerobic capacity
 - Motor fitness
- Nutritional Supplements and Exercise Performance
- Fasting – fitness interaction
- Ergonomics and Work Physiology
 - Occupational stress
 - Occupational health
 - Working posture analysis
 - Musculoskeletal disorder
 - Working environment

LIST OF PUBLICATIONS

Book Chapter:

1. Nath DC, **Bandyopadhyay A**, and Datta M. Edited the proceedings of 98th Orientation Programme conducted by the UGC – Academic Staff College of University of Calcutta during 03.09.2012 to 29.09.2012.
2. Nath DC, Chakrabarti N and **Bandyopadhyay A**. Edited the proceedings of **Short Term Course in Life Sciences** with the theme **Modern Trends in Biological Research** with a focus on **Computational Biology** jointly organised by the UGC – Academic Staff College and Department of Physiology, University of Calcutta during **13 – 19 March, 2012**.
3. Nath DC, Chattopadhyay S, **Bandyopadhyay A**, and Dutta M. Edited the proceeding of 92nd Orientation Programme conducted by the UGC – Academic Staff College of University of Calcutta during 26.12.2011 to 21.01.2012.
4. **Bandyopadhyay A**, Wong CP and Chen CK. Effects of acute supplementation of caffeine on hydration status during endurance running exercise in the hot and humid environment. In: Ergonomics for Everyone. Edited by: Somnath Gangopadhyay, Published by HWWE 2009: Department of Physiology, University of Calcutta (India), 2010, pp 500 – 505. [ISBN: 978-81-910303-0-3]
5. **Bandyopadhyay A**, Nath DC and Datta M. Edited the proceedings of 89th Orientation Programme conducted by the UGC – Academic Staff College of University of Calcutta during 11.06.2011 to 09.07.2011.

Editorial Articles:

6. **Bandyopadhyay A**. Exercise Induced Muscle Damage and Immunosuppression: a Hindrance to Optimum Performance. *Journal of Medical Physiology and Therapeutics* 2017 **(USA) 1(1):** e101–102.

Review Articles:

7. Basu S, **Bandyopadhyay A**. Motor Fitness in Children: a Brief Update. *Research and Investigations in Sports Medicine* 2022 **(USA, ISSN: 2577-1914)** 8(5): 772-778. [DOI: 10.31031/RISM.2022.08.000699]
8. Roy AS, Basu S, **Bandyopadhyay A**. Obesity – a Causative Factor of Breast Cancer. *International Journal of Medicine and Medical Research* 2018 **(USA)** 4(2): 50-58.
9. **Bandyopadhyay A**, Bhattacharjee I, Roy AS. Vitamin D – a Probable Performance Boosting Mediator in Athletes. *Journal of Food Science and Nutrition Therapy* 2016 **(India)**; 2(1): 19-24.
10. Das S, **Bandyopadhyay A**. Three Dimensional Relationship of Emotional Intelligence, Exercise and Stress in Adolescents. *Advances in Applied Physiology* 2016 **(USA)**; 1(1): 1-7.
11. Goswami B, Roy AS, Dalui R, **Bandyopadhyay A**. Impact of Pubertal Growth on Physical Fitness. *American Journal of Sports Science and Medicine* 2014 **(USA)**; 2(5A): 34-39.
12. Goswami B, Roy AS, Dalui R, **Bandyopadhyay A**. Peak Expiratory Flow Rate – a Consistent Marker of Respiratory Illness Associated with Childhood Obesity. *American Journal of Sports Science and Medicine* 2014 **(USA)**; 2 (1): 21-26.
13. Chaki B, Pal S and **Bandyopadhyay A**. Exploring Scientific Legitimacy of Orthorexia Nervosa – a Newly Emerging Eating Disorder. *Journal of Human Sports and Exercise* 2013 **(UK)**; 8(4): 1045-1053.
14. Chanda A, **Bandyopadhyay A**. Dengue: Infection, Pathogenesis and Remedies. *Indian Journal of Physiology and Allied Sciences* 2013 **(India)**; 67 (3): 91-98.
15. **Bandyopadhyay A**, Mahapatra D. Taping in Sports: a Brief Update. *Journal of Human Sports and Exercise* 2012 **(UK)**; 7 (2): 544 – 552.
16. **Bandyopadhyay A**, Bhattacharjee I, Sousana PK. Physiological Perspective of Endurance Overtraining: a Comprehensive Update. *Al Ameen Journal of Medical Sciences* 2012 **(India)**; 5: 7-20.
17. **Bandyopadhyay A**. Exercise, Training and Gut Function – a Physiological Perspective. *Journal of Research in Biology* 2011 **(India)**; 01: 483-489.
18. **Bandyopadhyay A**, Shazlin Saharudin. Anterior Cruciate Ligament Injuries in Soccer Players: an Overview. *International Journal of Sports Science and Engineering* 2009 **(UK)**; 03: 50-64.
19. **Bandyopadhyay A**. Overtraining – Contemporary Viewpoint. Published in the Proceedings of the University Grants Commission sponsored 87th Orientation Programme organised by the Academic Staff College of the University of Calcutta. pp. 34-37.

Original Research Articles:

20. Dalui R, Roy AS, **Bandyopadhyay A**. Anthropometry and Body Composition in Eastern Indian Soccer and Hockey Players. *Journal of Ergonomics* **(UK, ISSN: 2165-7556)** 2022; 2: 293-298.
21. **Bandyopadhyay A**. Validity of Cooper's 12 – min Run Test for Estimation of Maximum Oxygen Uptake in Hockey and Soccer Players of Kolkata India. *Journal of Human Ergology* **(Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)** 2021; 50(1): 39-43.

22. Das S, Halder MK, **Bandyopadhyay A**. Relationship of Physical Fitness with Verbal and Non – Verbal Creativity in Female Adolescents Belonging to Different Socioeconomic Backgrounds of Kolkata, India. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2021; 50(1): 1–17.
23. Sarkar S, Debnath M, Das M, **Bandyopadhyay A**, Dey SK, Datta G. Effect of High Intensity Interval Training on Antioxidant Status, Inflammatory Response and Muscle Damage Indices in Endurance Team Male Players. *Apunts Sports Medicine (USA, ISSN: 2666-5069)* 2021; 56 [DOI: 10.1016/j.apunsm.2021.100352]
24. **Bandyopadhyay A**. Cooper’s 12 min Run Test: Its Validity in Indian Swimmers and Volleyball Players. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2020; 64(4): 265–71. [DOI: 10.25259/IJPP_46_2020].
25. Pal S, Chaki B, **Bandyopadhyay A**. High Intensity Exercise Induced Alteration of Hematological Profile in Sedentary Post–pubertal Boys and Girls: A Comparative Study. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2020; 64(3): 207–214. [DOI: 10.25259/IJPP_375_2020].
26. Mukherjee P, Roy AS, **Bandyopadhyay A**, Gangopadhyay S. A Detailed Study on Morphological Profile, Hand Grip Strength, Flexibility, and Working Postures in Housemaids of Kolkata. *BLDE University Journal of Health Sciences (India)* 2020; 5: 200–208.
27. Sarkar S, Dasgupta S, Meitei K, Adhikari S, **Bandyopadhyay A**, Dey SK. Effect of Eccentric Cycling and Plyometric Training on Physiological and Performance Related Parameters of Trained Junior Track Cyclists. *Polish Journal of Sports and Tourism* 2020 (**Poland**); 27(1): 14–20.
28. Bhattacharjee I, **Bandyopadhyay A**. Effects of Acute Supplementation of *Panax ginseng* on Endurance Performance in Healthy Adult Males of Kolkata, India. *International Journal of Clinical and Experimental Physiology* 2020 (**India, eISSN: 2348-8093; pISSN: 2348-8832**); 7(2): 63–68. [10.5530/ijcep.2020.7.2.16]
29. Mukherjee P, Roy AS, **Bandyopadhyay A**, Gangopadhyay S. Assessment of Work Related Musculoskeletal Disorders among House Maids of Kolkata, India. *International Journal of Clinical and Experimental Physiology* 2020 (**India, eISSN: 2348-8093; pISSN: 2348-8832**); 7(2): 81–86. [DOI: 10.5530/ijcep.2020.7.2.20]
30. **Bandyopadhyay A**. Modification of Cooper’s 12 min Run Test to Predict Maximum Oxygen Uptake in Indian Cricketers. *International Journal of Physical Education Fitness and Sports (India, ISSN: Print 2277-5447 and Online 2457-0753)* 2020; 9(2): 72–78. [DOI: 10.34256/ijpefs2029].
31. Mitra M, **Bandyopadhyay A**, Datta G, Nandi DK. Nephroprotective Effect of Green Synthesized Gold Nanoparticles Using Bark Extract of *Terminalia arjuna* on Acetaminophen Induced Nephrotoxicity in Male Albino Rats. *International Journal of Life Science and Pharma Research (USA, ISSN: 2250 – 0480)* 2020; 10(4): 22–30. [DOI: 10.22376/ijpbs/ijlpr 2020; doi lpr.2020.10.4.P22-30].
32. Bhattacharjee I, **Bandyopadhyay A**. Effects of Acute Supplementation of Honey on Endurance Performance in Male University Students. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2020; 64(1): 27–37.
33. Sarkar S, Dasgupta S, Chatterjee S, Meitei KK, **Bandyopadhyay A**, Dey SK. Role of Specific Playing Position on Various Anthropometric, Body Composition and Physical Fitness Parameters of Indian Male Sepak Takraw Players. *International Journal of Sports Studies for Health (Iran, eISSN: 2588-5782)* 2020 April; 3(1):e98044. [doi: 10.5812/intjssh.98044.]

34. Mitra M, **Bandyopadhyay A**, Datta G, Nandi DK. Effective Dose of Herbal Gold Nanoparticles for Protection of Acetaminophen-Induced Hepatotoxicity in Male Albino Rats. *BioNanoScience (Springer, Switzerland)* 2020. [doi: <https://doi.org/10.1007/s12668-020-00766-6>]
35. Dalui R, **Bandyopadhyay A**. Motor Fitness of Male Judo Practitioners and Karate athletes of Kolkata, India. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2019; 48(2): 51–60.
36. Basu S, Roy AS, Dalui R, **Bandyopadhyay A**. Physical Fitness of Basketball and Volleyball Players of Kolkata, India. *International Journal of Clinical and Experimental Physiology (India, eISSN: 2348-8093; pISSN: 2348-8832)* 2019; 6(4): 111–117. [DOI: 10.5530/ijcep.2019.6.4.31]
37. Chaki B, Pal S, Chattopadhyay S, Bandyopadhyay A. High-Intensity Exercise-induced Oxidative Stress in Sedentary Pre-pubertal and Post-pubertal Boys: a Comparative Study. *Indian Journal of Medical Research (India)* 2019; 150: 167–174.
38. Debnath M, Chatterjee S, **Bandyopadhyay A**, Datta G, Dey SK. Prediction of Athletic Performance through Nutrition Knowledge and Practice: a Cross-Sectional Study among Young Team Athletes. *Sport Mont (UK)* 2019, 17 (3): 13–20. [DOI: 0.26773/smj.191012]
39. Mitra M, **Bandyopadhyay A**, Dutta G, Nandi DK. Protective Role of Green Synthesized Gold Nanoparticles Using Terminalia arjuna against Acetaminophen Induced Hematological Alterations in Male Wistar Rats. *Journal of Nanomedicine and Nanotechnology (USA, ISSN: 2157 – 7439)* 2019; 10(2). [DOI: 10.4172/2157-7439.1000530].
40. Mukherjee P, Roy AS, **Bandyopadhyay A**, Gangopadhyay S. Occupational Stress among Female Housemaids of Kolkata, India. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2019; 48(1): 1–7.
41. Roy AS, **Bandyopadhyay A**. Effect of Ramadan Intermittent Fasting on Different Components of Body Composition in Young Muslim Males of Kolkata, India. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2018; 47. 63–68.
42. Basu S, Dalui R, Roy AS, **Bandyopadhyay A**. Pulmonary Functions in Volleyball and Basketball Players of Kolkata, India. *International Journal of Pulmonary and Respiratory Medicine (USA, ISSN: 2378-3516)* 2018; 5(2): 1–7. [DOI: 10.23937/2378-3516/1410091]
43. Dalui R, Roy AS, **Bandyopadhyay A**. Fitness Profile of Male Swimmers and Water Polo Players of Kolkata, India – a Comparative Study. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2018; 62(4): 397 – 406.
44. **Bandyopadhyay A**, Dalui R. Motor Fitness and High Intensity Effort in University Students – a Gender Variation. *Ergonomics International Journal (USA, ISSN: 2577-2953)* 2018; 2(8): 1–5.
45. Pal S, Chaki B, Chattopadhyay S, **Bandyopadhyay A**. High Intensity Exercise Induced Oxidative Stress and Skeletal Muscle Damage in Post-pubertal Boys and Girls: a Comparative Study. *Journal of Strength and Conditioning Research (USA, ISSN: 1064-8011)* 2018; 32(4): doi: 10.1519/JSC.0000000000002167.
46. Dalui R, **Bandyopadhyay A**. Physical Fitness of Male Indian Judo Players. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2018; 62(1): 66–73.
47. Roy AS, **Bandyopadhyay A**. Effect of Ramadan Intermittent Fasting on Hematological Parameters, Lipid Profile and Renal Markers in Young Muslim Males of Kolkata, India. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2017; 61(4): 361–367.

48. Das S, **Bandyopadhyay A**, Halder K. Socio-economic Status Oriented Distribution of Academic Achievement and Its Relationship with Physical Fitness Parameters. *Indian Journal of Educational Research (India)* 2017; 6: 176–193.
49. Chaki B, Pal S, **Bandyopadhyay A**. High Intensity Exercise Induced Alteration of Haematological Profile in Sedentary Prepubertal and Postpubertal Boys: a Comparative Study. *Indian Journal of Physiology and Allied Sciences (India, ISSN 0972-5423)* 2016; 70(4): 143–155. [DOI: 10.1519/JSC.0000000000002167.]
50. Dalui R, **Bandyopadhyay A**. Pulmonary Function of Young Indian Male Judo and Karate Players. *Biology of Exercise (Cyprus, pISSN 1791-325X eISSN 2241-6331)* 2016; 7(1): 51–55.
51. Das S, Halder K, **Bandyopadhyay A**. Socio-economic Status and Physical Fitness Profile in Adolescent Girls of Eastern India. *Indian Journal of Biological Sciences (India, ISSN No. 0972-8503)*, 2016: 10–22.
52. Basu S, Roy AS, **Bandyopadhyay A**. Fitness Profile in Male Boxers of Kolkata, India. *Medicina Sportiva (Romania, ISSN(print) 1841-0162)* 2016; XII (2): 2782–2791.
53. Dalui R, **Bandyopadhyay A**. Fitness Profile of Indian Male Karate Players. *Journal of Combat Sports and Martial Arts (Poland, ISSN 20181-5735)* 2016; 7(1): 51–55.
54. **Bandyopadhyay A**, Dalui R, Pal S, Bhattacharjee I, Goswami B, Roy AS. Pulmonary Function in Young Females of Kolkata, India – Revisited. *Physiology International (Hungary, Print ISSN 0231-424X Online ISSN: 1588-2683)* 2016; 103(2): 191–201. [DOI: 10.1556/036.103.2016.2.6]
55. Roy AS, **Bandyopadhyay A**. Pulmonary Function of Young Muslim Males during the Month of Ramadan. *American Journal of Men's Health (USA, ISSN: 1557-9883)* 2016. [DOI: 10.1177/1557988316643292].
56. Roy AS, **Bandyopadhyay A**. Response to Letter to the Editor. *American Journal of Men's Health* 2016. [doi: 10.1177/1557988316666025]
57. Roy AS, **Bandyopadhyay A**. Pulmonary Function Studies in Female Singers of Kolkata, India. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2015; 44(2): 75–81.
58. Roy AS, **Bandyopadhyay A**. Effect of Ramadan Intermittent Fasting on Selective Fitness Profile Parameters in Young Healthy Untrained Muslim Men. *BMJ Open Sports and Exercise Medicine (UK, Online ISSN: 2055-7647)* 2015. doi: 10.1136/bmjsem-2015-000020.
59. **Bandyopadhyay A**. Validity of Cooper's 12-minute Run Test for Estimation of Maximum Oxygen Uptake in Male University Students. *Biology of Sports (Poland, ISSN: 0860-021X)* 2015; 58(2): 59–63. [DOI: 10.5604/20831862.1127283]
60. **Bandyopadhyay A**, Pal S. Modification of Fox Protocol for Prediction of Maximum Oxygen Uptake in Male University Students. *WORK (USA)* 2015; 50(2): 205–211. [DOI: 10.3233/WOR-141824]
61. Roy AS, Dalui R, Kalinski M, **Bandyopadhyay A**. Anthropometric Profile, Body Composition and Vertical Jump Score in Boxers and Swimmers. *International Journal of Medicine and Medical Research (Ukraine)* 2015; 1(1): 49–53. [DOI: 10.11603/ijmmr.2413-6077.2015.1.2854]

62. **Bandyopadhyay A.** Validity of Cooper's 12 min Run Test for Estimation of Maximum Oxygen Uptake in Female University Students. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2014; 58(2): 184–186. [DOI: 10.5604/20831862.1127283]
63. Roy AS, Bhattacharjee I, Dalui R, Pal S, **Bandyopadhyay A.** Gender Difference on the Effects of Body Mass Index in Prediction of Spirometric Reference Values in Healthy Young Indian Adults. *International Journal of Clinical and Experimental Physiology (India, eISSN: 2348-8093; pISSN: 2348-8832)* 2014; 1(1) : 73–75. [DOI: 10.4103/2348-8093.129749]
64. Dalui R, Roy AS, Kalinski M, **Bandyopadhyay A.** Relationship of Vertical Jump Test with Anthropometric Parameters and Body Composition in University Students – a Gender Variation. *Central European Journal of Sport Sciences and Medicine (Poland, journal ISSN :2300-9705journal e-ISSN :2353-2807)* 2014; 5(1) : 83–90.
65. **Bandyopadhyay A.** Prediction of Maximum Oxygen Uptake by using Heart Rate Ratio Method in Indian University Students. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2013; 42 : 55–63. [DOI: 10.11183/jhe.42.55]
66. **Bandyopadhyay A.** Validity of 20 meter Multi-stage Shuttle Run Test for Estimation of Maximum Oxygen Uptake in Female University Students. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2013; 57(1): 77–83.
67. **Bandyopadhyay A,** Bhattacharjee I, Dalui R, Pal S. Pulmonary Function Studies of Healthy Non-smoking Male University Students of Kolkata, India – Revisited. *Malaysian Journal of Medical Sciences (Malaysia, ISSN: 1394-195X)* 2013; 20(2): 17-24.
68. **Bandyopadhyay A,** Dalui R. Endurance Capacity and Cardiorespiratory Responses in Sedentary Females during Different Phases of Menstrual Cycle. *Kathmandu University Medical Journal (Nepal, ISSN 1812-2027 (Print))* 2012; 40(4): 25-29.
69. **Bandyopadhyay A,** Pal S. Effects of 8 Weeks Strength Training Programme in School Going Boys of 10–12 years. *Indian Journal of Physiology and Allied Sciences (India, ISSN 0367-8350)* 2012; 66(3): 96-103.
70. **Bandyopadhyay A.** Cardiorespiratory Fitness in Obese Girls. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2012; 56 (4): 94–96.
71. Wong CPF, **Bandyopadhyay A,** Keong CC. Effects of *Panax ginseng* Supplementation on Physiology Responses during Endurance Performance. *Journal of Men's Health (UK, ISSN 1875-6859)* 2011; 8 (suppl. 1): S78–S80. [DOI: 10.1016/S1875-6867(11)60028-6]
72. **Bandyopadhyay A,** Wong Chee Ping, and Chen Chee Keong. Effects of Acute Supplementation of Caffeine and *Panax ginseng* on Endurance Running Performance in a Hot and Humid Environment. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2011; 40(2): 63–72. [DOI: 10.11183/jhe.40.63]
73. **Bandyopadhyay A;** Validity of Queen's College Step Test to Predict VO_{2max} in Bengalee School Girls. *Indian Journal of Physiology and Allied Sciences (India, ISSN 0367-8350)* 2011; 65(4): 170-172.
74. **Bandyopadhyay A,** Wong CP and Chen CK. Working in the Heat: Effects of Caffeine Supplementation. (abstract only) *Journal of Cell and Tissue Research (India, ISSN: 03026-766X (Print) 1432-0878 (Online))* 2011; 11 (Supplement): 80.

75. **Bandyopadhyay A.** Modification of Fox (1973) Method to Predict Maximum Oxygen Uptake in Female University Students of Kolkata, India. *Journal of Human Ergology (Japan, Online ISSN: 1884-3964 Print ISSN: 0300-8134)* 2011; 40 (1): 73–77.
76. **Bandyopadhyay A,** Wong CP and Chen CK. Effects of Acute Supplementation of *Panax ginseng* on Hydration Status during Endurance Running Exercise in a Hot and Humid Environment. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2011; 55: 384–387.
77. **Bandyopadhyay A.** Validity of 20 meter Shuttle Run Test for Prediction of Maximum Oxygen Uptake in Male University Students of Kolkata, India. *Indian Journal of Physiology and Pharmacology (India, ISSN: 1995-7645)* 2011; 55: 221–226.
78. Chatterjee P, Maitra S, **Bandyopadhyay A.** Effects of Vit-E Supplementation on Cardiorespiratory Responses in Female Athletes during Different Phases of Menstrual Cycle. *Al Ameen Journal of Medical Sciences (India, ISSN 0974-1143)* 2011; 4: 358–364.
79. **Bandyopadhyay A.** Pulmonary Function Studies in Young Healthy Malaysians of Kelantan, Malaysia. *Indian Journal of Medical Research (India, ISSN 0971-5916)* 2011; 134: 653–657. [DOI: 10.4103/0971-5916.90990]
80. Pal S, Chatterjee P, **Bandyopadhyay A.** VO_{2max} and PFI in 14–16 Years of Male Sprinters and Soccer Players: a Comparative Study. *International Journal of Sports Science and Physical Education (India, ISSN Print: 2575-226X)* 2011; 2: 50–56.
81. Wong CP, Chen CK and **Bandyopadhyay A.** Effects of Acute Supplementation of *Panax ginseng* on Endurance Running Performance in Hot and Humid Environment. *Indian Journal of Medical Research (India, ISSN 0971-5916)* 2011; 133: 96–102.
82. Wong CP, Chen CK and **Bandyopadhyay A.** Effects of Acute Supplementation of Caffeine on Cardiorespiratory Responses during Endurance Running in a Hot and Humid Environment. *Indian Journal of Medical Research (India, ISSN 0971-5916)* 2010; 132: 36–41.
83. Chatterjee P, Maitra S and **Bandyopadhyay A.** Effects of Vitamin-E Supplementation on Cardiorespiratory Responses during Endurance Exercise in Different Phases of Menstrual Cycle. *World Heart Journal (USA, ISSN 15564002)* 2010; 2: 1–7. [DOI: 10.1139/apnm-2013-0566]
84. Chatterjee P, Maitra S and **Bandyopadhyay A.** Effects of Vitamin-E Supplementation on Platelet Aggregation and Endurance Capacity in Different Menstrual Phases of Female Athletes. *International Journal of Sports Science and Engineering (UK, ISSN 1750-9823 (print))* 2009; 3: 152–156.
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C. SCIENTIFIC PROGRAMME ATTENDED

I. Oration Lecture:

Delivered prestigious **Prof. Satipati Chatterjee Memorial Oration – 2019** in the **31st Annual National Conference** of the **Physiological Society India** organised by the **Bankura Christian College, Bankura, West Bengal, India** during **15–17 November 2019**.

Delivered prestigious **Dr. Chitralkha Mukherjee Memorial Oration – 2012** in the **24th Annual National Conference** of the **Physiological Society India** organised by the **Andhra Medical College, Visakhapatnam** during **12–14 December 2012**.

II. Plenary Lecture:

Delivered Plenary Lecture on the topic **Impact of nutrition Education Programme and Dietary Modification on Sports Performance** in the Two Day National Conference **PHYSICON 2019 : an Extension programme** organised by the Department of Physiology, Bankura Christian College, Bankura, West Bengal, India during 10–20 November 2022.

Delivered Plenary Lecture on the topic **Amendment of VO_{2max} Prediction Norms: an Indian Perspective** in the Two Day National Conference on Sustainable Health Science for Future Generations, organised by the Department of Physiology, Kalyani University, Kalyani, West Bengal, India during 28 – 29 April 2022.

Delivered Plenary Lecture on the topic **Prediction of Cardiorespiratory Fitness in Sportspersons and Sedentary Individuals: an Indian Perspective** in the Three Day International Virtual Biennial SAAP VII and PSI Conference – 2021, organised Hamdard Institute of medical Sciences, New Delhi during 23 – 25 March 2021.

III. Symposium Lecture:

1. Delivered symposium lecture in the Symposium entitled **Recent Advancement of Research in Physiology and Medicine for Sustainable development** in the **108th Session** of the **Indian Science Congress**, held at RTM Nagpur University, Nagpur, India during **3–7 January 2023**.
Topic: *Influence of Acute Supplementation of Honey and Panax ginseng on Exercise Performance: a Physiological Perspective*
2. Delivered symposium lecture in the Symposium entitled **Factors Contributing to Athletic Performance – a Physiological Perspective** in the **68th Annual Conference** (International level) of the **Association of Physiologists and Pharmacologists of India (APPICON – 2022)**, held at PGIMER, Chandigarh, India during **13–15 December 2022**.
Topic: *Physiological Determinants of Athletic Performance: an Applied Physiological Viewpoint.*
3. Delivered symposium lecture in the Symposium entitled **Sports, Exercise and Yoga – Analytical Approach from Physiological Viewpoint** in the **31st Annual Conference** (National level) of the **Physiological Society of India (PHYSICON – 2019)**, held at Bankura Christian College, West Bengal, India during **15–17 November 2019**.
Topic: *Validity of Cardiorespiratory Fitness Prediction Models in Indian Scenario.*
4. Delivered symposium lecture in the **Ergonomics and Exercise Physiology Symposium** in the Golden Jubilee Celebration of **60th Annual Conference** (National level) of the **Association of Physiologists and Pharmacologists of India (APPICON – 2014)**, held at Puri, Odisha, **20–22 November 2014**.
Topic: *Effect of Ramadan Intermittent Fasting on Selective Fitness Profile Parameters.*

III. Invited Lecture:

5. Delivered an Invited Lecture in the National Conference of the Indian Association of Sports Medicine (**IASMCON - 2022**) organised by the West Bengal Orthopaedic Association at KPC Medical College, Jadavpur, Kolkata, India on during 17 – 18 December 2022.
Topic: *Prediction of VO_{2max} : an Indian Perspective.*
6. Delivered an Invited Lecture in the Workshop and National Seminar on **Frontiers in Sports Science** organised by the Department of Sports Science and Yoga, Ramkrishna Mission Vivekananda Educational and Research Institute, Belur, Howrah, West Bengal, India on 17th April 2022.
Topic: *Exercise Physiology Research – an Indian Perspective.*
7. Delivered an Invited Lecture in the 32nd Annual Conference (National level) of the Physiological Society of India (PHYSICON-2022) on **Women's Health in India: Issues and Concern** organised by the Department of Physiology, Berhampore Girls College, West Bengal, India during 14–16 March 2022.
Topic: *Impact of Fitness Profile on Scholastic Achievement and Creativity in School Going Girls of Different Socioeconomic Background.*
8. Delivered an Invited Lecture in the Three Day National Webinar on **COVID-19: Fighting Together and Moving Forward** organised jointly by the Berhampore Girls College and The Physiological Society of India during 25 – 27 September 2020.
Topic: *Transforming Scenario to Sustain Healthy Wellbeing during COVID-19 Pandemic.*
9. Delivered an Invited Lecture in the International Conference on Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences (ICCIIFCPAS-2020) at Vidyasagar University, Midnapore, West Bengal during 21–22 January, 2020.
Topic: *VO_{2max} Prediction Models: Innovative Issues and Future Challenges.*
10. Delivered an Invited Lecture in Two Day National Workshop on Science and Technology: Rural Development at Surendranath College, Kolkata during 20 – 21 January, 2020.
Topic: *Sports, Exercise and Yoga: a Futuristic Approach for Rural Health Development.*
11. Delivered a Lecture in the CME Programme (Local) organised by the West Bengal Association of Sports Medicine at SSKM Hospital, Kolkata on 31st November 2019.
Topic: *Exercise Physiology Research: an Indian Perspective.*
12. Delivered Invited Lecture in the Annual Conference (National level) of the Physiological Society of India organised by Serampore College, Serampore, West Bengal, during 22–24 November 2018.
Topic: *Exercise Induced Oxidative Stress and Muscle Damage in Bengalee Children.*
13. Delivered Invited Lecture in the National Seminar on Biological Sciences for Human Welfare: Teaching and Research in Modern Perspective, organised by Berhampore Girls' College, Berhampore, West Bengal, during 29–30 September 2018.
Topic: *Exercise Induced Oxidative Stress and Skeletal and Cardiac Muscle Damage in Bengalee Children.*
14. Delivered Invited Lecture in the National Seminar on Perspectives of Human Health, Microbial Biotechnology & Innovation, organised by the Department of Human Physiology with Community Health and Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, during 27–29 March 2018.
Topic: *High Intensity Exercise Induced Oxidative Stress and Skeletal Muscle Damage in Post-Pubertal Boys and Girls: a Comparative Study.*

15. Delivered Invited Lecture in the VIIth Congress of Federation of Indian Physiological Societies (FIPS) and XXIXth Annual Conference of the Physiological Society of India (FIPSPHYCIOCON 2017), (International level) organised by the Defence Institute of Physiology and Allied Sciences (DIPAS), Defence Research Development Organisation (DRDO), New Delhi, during 5–7 November 2017.
Topic: *Fitness Profile during the Month of Ramadan.*
16. Delivered **UGC Extension Lecture** at Department of Human Physiology with Community Health, Vidyasagar University, Midnapore on 23rd March, 2017. (University level)
17. Delivered invited lecture in the Department of Higher Education, Science & Technology and Biotechnology (Govt. of West Bengal) sponsored State Level Seminar on Micronutrient Deficiencies: Prevention and Control organised by the Department of Physiology, Berhampore Girls' College, Berhampore, West Bengal, during 18–19 February 2017.
Topic: *Vitamin C and Endurance Performance – a Persistent Controversies.*
18. Delivered lecture in the Ph.D. Course Work in the Department of Physiology, Barasat State University, Barasat, West Bengal on 11th April, 2017.
19. Delivered invited lecture in the 28th Annual Conference of the Physiological Society of India (PHYSIOCON–2016), organised and hosted by the Midnapore College, Midnapore during **18–20 November 2016.** (National level)
Topic: *Fitness Profile of Indian Male Judo and Karate Players.*
20. Delivered invited lecture in the UGC – sponsored National Seminar on **Trends of Physiological Researches from Laboratory to Community**, held at Vidyasagar University, Midnapore during **30–31 March 2016.** (National level)
Topic: *Evaluation of Selective Fitness Profile Parameters in Indian Male Judo and Karate Players.*
21. Delivered invited lecture in the **103rd Session of the Indian Science Congress**, held at University of Mysore, Mysore during **3–7 January 2016.** (International Level)
Topic: *Fitness Profile of Indian Male Martial Art Players.*
22. Delivered invited lecture in the **27th Annual Conference of the Physiological Society of India and 6th Congress of the Federation of Indian Physiological Societies (FIPSPHYCON–2015)**, held at University of Calcutta, Kolkata, India during **18–20 December 2015.** (National level)
Topic: *Fitness Profile during the Month of Ramadan.*
23. Delivered invited lecture in the **26th Annual Conference of the Physiological Society of India (PHYSICON – 2014)**, held at Berhampore Girls' College, Berhampore, West Bengal during **19–21 December 2014.** (National level)
Topic: *Nutritional Supplementation in Sports Performance: Role of Caffeine and Panax ginseng.*
24. Delivered invited lecture in the **25th Annual Conference of the Physiological Society of India (PHYSICON – 2013)**, held at Kamineni Institute of Medical Sciences, Narketpally, Andhra Pradesh during **9–11 December 2013.** (International level)
Topic: *Fitness Profile during the Month of Ramadan.*
25. Delivered invited lecture in the **14th Annual Conference of the West Bengal Association of Sports Medicine (SPORTSMEDCON-2013)**, held at Jadavpur University, Kolkata on **3rd February 2013.** (National level)
Topic: *Modification of Fox (1973) protocol for prediction of maximum oxygen uptake in male university students.*
26. Delivered invited lecture in the **100th Session of the Indian Science Congress**, held at University of Calcutta, Kolkata during **3–7 January 2013.** (International Level)

27. Delivered invited lecture on the topic entitled **Exercise for Better Working Life** in the workshop on **Occupational Ergonomics in Rural Engineering Industry** jointly organised by Centenary Celebration Committee, Department of Physiology, University of Calcutta and Khadi and Village Industries Commission, Ministry of MSME, Government of India on **24th March 2012**. (University Level)
28. Delivered invited lead lecture in the **International Conference on Frontiers in Biological Research: 2012 (ICFBR: 2012)**, organised by the Department of Physiology with Community Health, Vidyasagar University during 26-27 February 2012.
Topic : *Effects of acute supplementation of caffeine and Panax ginseng on endurance running performance in recreational runners in a hot and humid environment*
29. Delivered invited lecture in the **99th Session of the Indian Science Congress**, held at KIIT University, Bhubaneswar during **3-7 January 2012**. (International Level)
Topic: *Effects of acute supplementation of caffeine and Panax ginseng on endurance running performance in recreational runners in a hot and humid environment*
30. Invited Speech was delivered in the **98th Session of the Indian Science Congress** held at SRM University, Chennai, during **3-7 January 2011**. (International Level)
Topic: *Physiological Perspectives of Overtraining – an Update.*
31. Delivered invited lecture in the **UGC Sponsored National Seminar on ROLE OF NUTRITION IN THE PREVENTION AND MANAGEMENT OF NON-COMMUNICABLE DISEASES**, organized by **Department of Food and Nutrition, Netajinagar College for Women, Kolkata, India, on 24th September 2011**.
Topic: *Working in the heat: effects of combined supplementation of caffeine and Panax ginseng.*
32. Presented an **invited lecture on Ginseng supplementation in endurance sports** in the **7th Sports Science Conference – 2007** organized jointly by the **Sports Science Unit** of School of Medical Sciences and **Sports Science Programme** of School of Health Sciences of **University Sains Malaysia, Kelantan, Malaysia** at **Kota Bharu, Malaysia, during 3-5 September 2007**. (International Level)

IV. Participation / Paper Presentation:

33. Participated and paper presented in **APPICON – Kolkata 2023**, i.e., the 10th Conference of the Association of Physiologists and Pharmacologists of India – Kolkata Chapter organised at IPGMER, Kolkata on 21st January 2023. (National Level)
Topic: *Prediction of VO_{2max} in Indian Sports persons.*
34. Participated and paper presented in the 22nd Annual Conference of the West Bengal Association of Sports Medicine (SPORTSMEDCON 2022) organised at University College of Medicine, SSKM Hospital & IPGMER, Kolkata on 22nd July 2022. (State Level)
Topic: *Effect of vitamin C and E supplementation on high intensity training induced alterations in muscle damage parameters, antioxidant status and inflammatory response in male endurance trained sport persons.*
35. Participated in an online **CME on Autonomic Function Tests: An Update** organised by the Department of Physiology, All India Institute of Medical Sciences, Bathinda, 29th January 2022. (National Level)
36. Participated in an online Webinar on **Post independence Era of Research in Health Sciences in India** organised by the Department of Human Physiology, Vidyasagar University on 25th January 2022. (National Level)

37. Participated in an online Satellite Symposium on **Translational Neurophysiology and Cognition** organised by the Department of Physiology and CPEPA, University of Calcutta and Indian Academy of Neurosciences on 10th November 2021. (National Level)
38. Webinar **Application of Biomechanics in Sports Performance – a Covid 19 Perspective** organised by the Department of Sports Science and The Physiological Society of India on 13th September 2020. (National Level)
39. Participated in Webinar **Application of Biomechanics in Sports Performance – a Covid 19 Perspective** organised by the Department of Sports Science and The Physiological Society of India on 13th September 2020. (National Level)
40. Participated in Webinar **Nutrition, Health and Stress Management in the Context of Covid-19 Pandemic** organised by the Bankura Sammilani College on 7th September 2020. (National Level)
41. Participated in Webinar **Development and Maintenance of Physical and Mental Wellness during Covid-19 Pandemic** organised by the Midnapore College and the Physiological Society of India on 29th August 2020. (National Level)
42. Participated in Webinar **Effect of Yoga in Sports Performance in Covid-19** organised by the Department of Sports Science and The Physiological Society of India on 21st August 2020. (National Level)
43. Participated in Webinar pertaining to International Online Faculty Enrichment Programme on **Tips and Tricks for Publishing in International Scientific Journals**, organised by Surendranath College, Kolkata on June 20, 2020.
44. Participated in Webinar **Covid – 19: Overview of the Disease and General Safety Measures** organised by Surendranath College, Kolkata on June 15, 2020. (International Level)
45. Paper presented in the **International Conference on Physical Education, Yoga and Sports Sciences**, organized by the State Institute of Physical Education for Women, Hestings, Kolkata, on **15th January 2020**. (International Level)
Topic: *Validity of VO_{2max} Prediction Models in Eastern Indian Populations.*
46. Participated and paper presented in the 20th Annual Conference of the West Bengal Association of Sports Medicine (SPORTSMEDCON 2019) organised at SSKM Hospital, Kolkata on 17th March 2019. (State Level)
Topic: *Fitness Profile of Young Muslim Males of Kolkata during the Month of Ramadan Intermittent Fasting*
47. Participated in the National Conference on Future India: Science and Technology – 2019, jointly organised by the Indian Science Congress Association and City College, Kolkata at the campus of City College during 27th-28th February 2019. (National Level)
48. Participated in a National Level Seminar on Recent Trends: Research in Sports Science and Yoga organised by Department of Sports Science and Yoga, Ramkrishna Mission Vivekananda Educational and Research Institute (RKMVERI), Belur, West Bengal, during 9 – 10 March, 2018. (National Level)
49. Participated in the National Symposium organised by the Department of Physiology, University of Calcutta in conjunction with the Departmental 55th Reunion on 21st January, 2018.
50. Attended the Two Day National Seminar on **Sports Science as an Emerging Discipline in Higher Education** during 17–18 February 2017 organised by the Sports Science Department of Ramkrishna Mission Vivekananda University.

51. Paper presented in the **104th Indian Science Congress 2017**, organized by S. V. University and Indian Science Congress Association, at Tirupati, India, during **3-7 January 2017**. (International Level)
Topic: *Fitness profile during the month of Ramadan.*
52. Participated in the National Symposium on **Recent Advances in Medical and Allied Health Sciences** organised by Central Calcutta Society for Advancement of Human Development and Research at National Institute of Cholera and Enteric Diseases, Kolkata on 21st July 2016.
53. Paper presented in the **23rd West Bengal State Science and Technology Congress 2016**, organized by Presidency University and West Bengal State Council of Science and Technology, Government of West Bengal during **28-29 February 2016**. (State Level)
Topic: *Fitness profile of Indian Martial Art Players.*
54. Participated in the Closing Ceremony of the International Conference on Molecules to System Physiology (**ICMSP - 2015**), Organised by the Department of Physiology, University of Calcutta at Rajabazar Science College, Kolkata, India on 28th August 2015. (National Level)
55. Poster entitled **Fitness Profile during the Month of Ramadan** was presented in the **Physiology-2014**, organised by The Physiological Society (UK) at Queen Elizabeth II Conference Centre, London, UK, during 30 June - 2nd July 2014. [**Invited as an International Guest of The Physiological Society**].
56. Paper presented in the **UGC Sponsored National Seminar**, organised by the Department of Home Science and Nutrition, University of Calcutta on **21-22 February 2014**.
Topic: *Role of Sports and Exercise as a Therapeutic Way to Wellness: Relevance of Nutritional Supplementation.*
57. Paper presented in the **15th Annual Conference of the West Bengal Association of Sports Medicine (SPORTSMEDCON-2014)**, held at IPGME&R, SSKM Hospital, Kolkata on **16rd February 2014**. (National Level)
Topic: *Fitness profile of boxer and swimmer: a comparative study.*
58. Paper presented in the DST Sponsored state level seminar on *"Impact of Pollution: Assessment and Awareness"* at Hooghly Women's College during 14-15 February 2014.
Topic: *Exercise under environmental heat stress: role of nutritional supplement*
59. Paper presented in the **5th Annual Conference of the Federation of Indian Physiological Societies (PEBHT-2013)**, organized by Department of Zoology, S. V. University, Tirupati, Andhra Pradesh during **17-19 December 2013**.
Topic: *Effects of acute supplementation of Panax ginseng on endurance running performance in recreational runners.*
60. Poster presented in the **Socio-Medical National Seminar on Hypertension and Its Complications**, held at Serampore College, Hooghly District, West Bengal, India, on **27th July, 2013**. The seminar was jointly organised by Serampore College and Indian Medical Association (Bengal State Branch).
Topic: *Effect of Exercise on Hypertension.*
61. Paper presented in the **20th West Bengal State Science and Technology Congress 2012**, organized jointly by Saha Institute of Nuclear Physics and West Bengal State Council of Science and Technology, Government of West Bengal during **1st & 2nd March 2012**. (State Level)
Topic: *Effects of acute supplementation of Panax ginseng on endurance running performance in recreational runners.*

62. Paper presented in the **19th West Bengal State Science and Technology Congress 2012**, organized jointly by Saha Institute of Nuclear Physics and West Bengal State Council of Science and Technology, Government of West Bengal during **1st & 2nd March 2012**. (State Level)
Topic: *Effects of acute supplementation of Panax ginseng on endurance running performance in recreational runners.*
63. Paper presented in the **XIIIth Annual Conference of West Bengal Association of Sports Medicine: SPORTSMEDCON-2012**, organized jointly by Department of Physical Education, University of Kalyani on **15th January 2012**. (State Level)
Topic: *Effects of acute supplementation of Panax ginseng on endurance running performance in recreational runners.*
64. Paper presented in the **National Conference on Interface of Science and Environment: Emerging Public Health Challenges (SCIENVIRON-2011) and the 13th Annual Meeting of Society of Science and Environment**, organized jointly by Calcutta School of Tropical Medicine, All India Institute of Hygiene and Public Health and Indian Institute of Social Welfare and Business Management during **24-26 November 2011**.
Topic: *Working in the heat: effects of caffeine supplementation.*
65. Paper presented in the **UGC Sponsored National Seminar on Advances in Environmental Science and Technology**, organized by **Department of Environmental Science and Department of Chemistry, Vivekananda College, Kolkata, India**, during **5-6 February 2011**.
Topic: *Working in the heat: effects of Panax ginseng supplementation.*
66. Paper presented in the **12th Annual Conference of The West Bengal Association of Sports Medicine (SPORTSMEDCON 2011)**, organized by **Department of Physical Education, Jadavpur University, Kolkata, India**, on **9th January 2011**. (State Level)
Topic: *Validity of Cooper's 12-min Run Test for estimation of maximum oxygen uptake in male university students*
67. Paper presented in the **22nd Annual Conference of The Physiological Society of India and 2nd Biennial Conference of the South Asian Association of Physiologists**, jointly organized by **Department of Physiology, St. John's Medical College, Bangalore, India**, during **15-17 December 2010**. (International Level)
Topic: *Validity of Cooper's 12-min Run Test for estimation of maximum oxygen uptake in female university students.*
68. Paper presented in the **National Conference on Physical Education** organized by **Department of Physical Education, Kalyani University**, during **25-26 November 2010**.
Topic: *Modification of Fox protocol for prediction of maximum oxygen uptake in male sedentary university students.*
69. Paper presented in the **UGC Sponsored National Seminar on EMERGING ISSUES IN PHYSIOLOGY AND ALLIED SCIENCES** organized by **Department of Human Physiology with Community Health, Vidyasagar University**, on **26th March 2010**.
Topic: *Effect of acute supplementation of caffeine and Panax ginseng on hydration status during endurance running exercise in the hot and humid environment*
70. Paper presented in the **SPORTSMEDCON 2010** organized by **The West Bengal Association of Sports Medicine**, on **17th January 2010**. (State Level)
Topic: *Effects of acute supplementation of Panax ginseng on hydration status during endurance running exercise in the hot and humid environment*
71. Paper presented in the **Humanizing Work and Work Environment: 2009** organized by **Department of Physiology, University of Calcutta**, during **17-19 December 2009**. (International Level)

Topic: *Effects of acute supplementation of caffeine on hydration status during endurance running exercise in the hot and humid environment*

72. Paper presented in the **International Conference on Integrative Physiology: Modern Perspective and the Platinum Jubilee Celebration of The Physiological Society of India** held in Science City, Kolkata **12–14 November, 2009**.
Topic: *Pulmonary function of Malaysian university students.*
73. Paper presented in the **12th World Sport for All Congress** organised by **The Malaysian Olympic Council** at The International Convention Centre, Genting Highland, Malaysia during 3-6 November 2008. (International Level)
Topic: *Effects of acute supplementation of caffeine on cardiorespiratory performance during endurance performance in hot and humid environment*
74. Actively participated in the workshop on **Strengthening Health Related Community Based Research**, held at School of Medical Sciences during 10–11 December 2007, organized by the School of Health Sciences, University Sains Malaysia. (National Level)
75. Presented the paper entitled **Validation of Queen’s College step test as an alternative of Harvard step test in young Indians** in the **International Conference on Ergonomics – 2007** organized by the **University Malaya** at **Hotel Istana, Kuala Lumpur**, during **3–5 December 2007**. (International Level)
76. Attended and paper presented in the **5th National Health Conference – 2007** at **University Sains Malaysia, Kota Bharu, Malaysia** during **25-26 July 2007**.
Topic : *Queen’s college step test as an alternative of Harvard step test in young Indian women.*
77. Attended and paper presented in the **International Sports Science Conference – 2006** held at Hotel Marriot Putrajaya, **Kuala Lumpur, Malaysia** during **19-20 December, 2006**; organized by **University Putra Malaysia**.
Topic: *Queen’s college step test as an alternative of Harvard step test.*
78. Attended **International Symposium on Medical Plants and Herbal Products in Biomedicine and their Efficacy in the Present Era** under the auspices of **XXVIth Annual Conference of The Indian Association of Biomedical Scientists**, held at Science City, Kolkata during **25–27 November, 2005**.
79. Attended and couple of research papers presented in the online Web-based **Fourth International Cyberspace Conference on Ergonomics: Cyberg 2005**, held during **15th September to 15th October 2005**, under the joint venture of **Rhodes University and University of Witwatersrand, Johannesburg, South Africa**.
Topic : *1. Cardiorespiratory fitness of Indian obese boys.
2. Skinfold thickness, body fat percentage and body mass index in Indian obese boys.*
80. Attended **12th Paschimbanga Rajya Bijnan o Projukti Congress** held at **West Bengal Technical University, Salt lake City, Kolkata, India**, during **28th February to 1st March, 2005**. (State Level)
81. Attended and paper presented in the **6th Annual Conference of West Bengal Association of Sports Medicine (SPORTSMEDCON 2005)** held at the **Indian Science Congress Association Office at Biresh Guha Street, Kolkata**, during **15–16 January, 2005**. (State Level)
Topic: *Cardiorespiratory fitness of obese boys*
82. Attended and paper presented in the international conference on **Humanizing Work and Work Environment 2004**, held at National Institute Technology & Industrial Engineering (NITIE), Powai, Mumbai during **22 – 24 April 2004**. (International Level)

Topic: *Validity of Queen's college step test to predict maximum oxygen uptake capacity in female university students.*

83. Attended and paper presented in the **10th Paschimbanga Rajya Bijnan o Projukti Congress** held at **Vidyasagar University, Midnapore, India**, during **28th February to 2nd March, 2003**.
Topic: *Physical and physiological characteristics of college students in Kolkata.* (State Level)
84. Attended and paper presented in the **4th Annual Conference of West Bengal Association of Sports Medicine (SPORTSMEDCON 2003)**, held at **Jadavpur University, Kolkata, India** during **18-19 January, 2003**. (State Level)
Topic: *Queen's College Step Test: A Good Predictor of Cardiorespiratory Fitness.*
85. Attended the **90th Indian Science Congress** held at **Bangalore, India**, during **3rd - 6th January, 2003**. (International Level)
86. Participated in the Seminar on **RECENT DEVELOPMENT ON PREVENTION & CURE OF AIDS** organized by **Prof. N.M. Basu Memorial Committee and Dept. of Physiology, Raja Peary Mohan College** at Uttarpara, India, on **14th September, 2002**.
87. Attended and paper presented in the **9th World Congress on Clinical Nutrition**, held at **University of Westminster, London, 24 - 26 June, 2002**. (International Level)
Topic: *Comparative analysis of body composition and cardiorespiratory fitness in obese and non-obese boys.*
88. Attended and presented the **award paper** in the **13th Annual Conference of The Physiological Society of India**, held in Kolkata, India, **23-24 February, 2002**. (National Level)
Topic: *Enumeration of Validity for Predicted $VO_{2\max}$ by Queen College Step Test in Bengalee Boys.*
89. Attended and paper presented in the **Third Annual Conference of West Bengal Association of Sports Medicine (SPORTSMEDCON 2002)**, held at Science Congress Hall, Kolkata, India, during **12-13 January, 2002**. (State Level)
Topic: *Effect of training on cardiorespiratory performance of smoker and non-smoker subjects*
90. Attended and paper presented in the **International Conference on Humanizing Work and Work Environment**, held at Indian Institute of Technology, Powai, Mumbai, India, during **11-14 December, 2001**.
Topic: *Body composition, morphological characteristics and their relationship with cardiorespiratory fitness.*
91. Delivered **Prof. Satya Ranjan Dasgupta Memorial Oration - 2001**, at Raja Peary Mohan College, Uttarpara, India, on **8th February, 2001**.
Topic: *Sports & Exercise Physiology in India - Past, Present and Future.*
92. Attended **XIIth Annual Conference of The Physiological Society of India** held at Regional Occupational Health Centre (Eastern), Salt Lake City, Kolkata, India, during **22-23 December, 2000**. (National Level)
93. Paper presented in the **Third International Congress of Federation of Indian Physiological Societies (FIPS)**, held at Science City, Kolkata, India, during **24-26 November, 2000**. (National Level)
Topic: *Relationship between body composition and maximum oxygen uptake capacity in eastern Indian school going boys.*
94. Poster presented in the **Interactive Workshop in Biological Sciences, 2000** held at Birla Museum, Kolkata, India, on **27th May, 2000**. (State Level)
Topic: *Relationship between body composition and maximum oxygen uptake capacity.*

Chairing Session in Conference / Seminar :

1. Chaired a session of **Oral Presentation** in the 108th Session of the Indian Science Congress, organised by the **RTM Nagpur University, Nagpur, India** during **3 – 7 January 2023**.
2. Chaired a session of **Invited Lectures in the** Two Day National Conference on **PHYSICON 2019: an Extension Programme**, organised by the **Department of Physiology, Bankura Christian College, Bankura, West Bengal** during **18 – 20 November 2022**.
3. Chaired a session of **Plenary / Invited Lectures and Oral Presentations in the** Two Day National Conference on Sustainable Health Science for Future Generations, organised by the **Department of Physiology, Kalyani University, Kalyani, West Bengal, India** during **28 – 29 April 2022**.
4. Chaired a session of Invited Lectures in the **PHYSIOCON–2022**, the 32nd Annual Conference of The Physiological Society of India, held at **Berhampore Girls College, Berhampore, West Bengal, India** during **14–16 March 2022**.
5. Chaired an Oral Presentation session in the International Conference on Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences (ICCIIFCPAS-2020) at Vidyasagar University, Midnapore, West Bengal, India during 21 – 22 January, 2020.
6. Chaired a Symposium in the XXXIst Annual Conference of the Physiological Society of India (PHYSICON 2019), organised by the Bankura Christian College, Bankura, West Bengal, India during 15–17 November 2019.
7. Chaired a Plenary Session in the VIIth Congress of Federation of Indian Physiological Societies (FIPS) and XXIXth Annual Conference of the Physiological Society of India (FIPSPHYSIOCON 2017), organised by the Defence Institute of Physiology and Allied Sciences (DIPAS), Defence Research Development Organisation (DRDO), New Delhi, on 7th November 2017.
8. Chaired a combined session of Invited Lectures and Oral Presentation (free paper) in the **PHYSIOCON–2016**, the 28th Annual Conference of The Physiological Society of India, held at **Midnapore College, Midnapore, West Bengal, India** during **18–20 November 2016**.
9. Chaired the Oral Presentation (free paper) session in the **FIPSPHYSICON – 2105**, the XXVIIth Annual Conference of The Physiological Society of India and VIth Congress of Federation of Indian Physiological Societies, held at **University of Calcutta, Kolkata, India** during **18–20 December 2015**.
10. Chaired the Oral Presentation (free paper) session in the **PHYSICON – 2104**, the XXVIth Annual Conference of The Physiological Society of India held at **Berhampore Girls' College, Berhampore**, during **19 – 21 December 2014**.
11. Chaired the session of Mrs. Shuva Mukherjee Memorial Oration 2013, delivered by Dr. Mahitosh Mandal of IIT, Kharagpur in the One Day Scientific Seminar of The Physiological Society of India held at **Raja N.L. Khan Women's College, Midnapore, West Bengal** on **21st September, 2013**.
12. Chaired Oration Lecture, Plenary Lecture and Invited Lecture in the 2^{4th} Annual Conference of the Physiological Society of India, organised by the **Andhra Medical College, Visakhapatnam** during **12-14 December 2012**.
13. Chaired a session of Oral Presentation in the **International Conference on Frontiers in Biological Research: 2012 (ICFBR: 2012)**, organised by the Dept. of Physiology with Community Health, Vidyasagar University during 26–27 February 2012.

14. Chaired a session of Oration Lectures of the Physiological Society of India in the **99th Session of the Indian Science Congress**, held at KIIT University, Bhubaneswar during **3-7 January 2012**.
15. Chaired a session of Invited Speech delivered by Dr. Shyamal Roy Choudhury in the **22nd Annual Conference of The Physiological Society of India and 2nd Biennial Conference of the South Asian Association of Physiologists**, organized by **Department of Physiology, St. John's Medical College, Bangalore, India**, during **15-17 December 2010**.
16. Chaired a session of Oral Presentation in the **International Conference on Ergonomics - 2007** organized by the **University Malaya at Hotel Istana, Kuala Lumpur**, during **3-5 December 2007**.
17. Chaired a session in the **7th Sports Science Conference - 2007** organized jointly by the **Sports Science Unit** of School of Medical Sciences and **Sports Science Programme** of School of Health Sciences of **University Sains Malaysia, Kelantan, Malaysia** at **Kota Bharu, Malaysia**, during **3-5 September 2007**.

Participation in Workshop:

Participated in a Pre-Conference Workshop at KPC Medical College, Jadavpur, Kolkata, India on ***Current Rehab Techniques and Injury Prevention*** organised by the West Bengal Orthopaedic Association on 16th December 2022.

Participated in a Workshop on ***Disaster Management and Disaster Preparedness*** organised by the Civil Engineering Department of Jadavpur University, Kolkata on 29th August 2016.

Participated in a Workshop organised by **Springers Publication** on 25th June 2013.

Participated in a Workshop organised by **AD Instruments** on 29th July 2013.

Participated in the **Principals' and Coordinators' Workshop** conducted by UGC - Academic Staff College of University of Calcutta, during 26th - 27th March 2012.

Delivered invited lecture on the topic **Exercise for better working life** on the occasion of Workshop for Artisans working in the Khadi sector of India. The workshop was organised as a part of the Centenary Celebration of the Department of Physiology, University of Calcutta on 24th March 2012. Also facilitated the workshop by giving the demonstration of some exercises in the workshop.

Actively participated in the **Bhuvan Workshop**, organised by Department of Environmental Science and Indian Space Research Organisation (ISRO) at University of Calcutta, Kolkata on 2nd February 2012.

Actively participated in the **PROBLEM BASED LEARNING WORKSHOP**, conducted by Professor Ming Kai Chin of University of Northern Iowa, USA, held at School of Health Sciences, University Sains Malaysia on 15th July 2008.

Actively participated in the workshop on **LEADERSHIP DEVELOPMENT IN ACADEMIC SETTING: EXPLORING THE INFLUENCE OF NATURE AND NURTURE**, held at Royal Guest House, Kota Bharu, Malaysia during 23-24 December 2007, organized by the School of Health Sciences, University Sains Malaysia.

Participation / Coordinating / Lecture Delivered in Orientation Programmes and Refresher Courses:

- Delivered lecture as a Resource Person in the Refresher Course in Life Sciences, organised by the Department of Physiology, University of Calcutta and the UGC–HRDC, University of Calcutta on 15th January 2022.
- Delivered lecture as a Resource Person in the Orientation Programme organised by the UGC Human Resource Development Centre, University of Calcutta on 9th December 2021.
- Delivered lecture as a Resource Person in the Refresher Course in the Department of Education, University of Calcutta organised by the UGC Human Resource Development Centre, University of Calcutta on 16th March 2018.
- Delivered lecture as a Resource Person in the Refresher Course in the Department of Education, University of Calcutta organised by the UGC Human Resource Development Centre, University of Calcutta on 21st March 2017.
- Delivered lecture as a Resource Person in the Orientation Programme – 101 organised by the UGC–Academic Staff College, University of Calcutta during 03–30 September 2013.

Courses Participated:

1. Attended **University Grants Commission (UGC)** sponsored **Orientation Programme (OP-87)** organised by the **Academic Staff College** of the **University of Calcutta** during **8th November 2010** to **6th December 2010**.
2. Attended **University Grants Commission (UGC)** sponsored **Refresher Course in Life Science** organised by the **Academic Staff College** of the **University of Calcutta** during **21st November 2011** to **12th December 2011** in the Department of Physiology, University of Calcutta.
3. Participated in **University Grants Commission (UGC)** sponsored **Refresher Course in Life Science** organised by the **Academic Staff College** of the **University of Calcutta** during **27th March 2015** to **20th April 2015** in the Department of Physiology, University of Calcutta.

• Courses Coordinated:

1. **Orientation Programme–102** organised by the UGC – Academic Staff College of the University of Calcutta during **3rd September** to **30th September 2012**.
2. **Orientation Programme–98** organised by the UGC – Academic Staff College of the University of Calcutta during **3rd September** to **29th September 2012**.
3. **Short Term Course in Life Sciences** organised jointly by the UGC – Academic Staff College and Department of Physiology, University of Calcutta during **13–19 March 2012**.
4. **Orientation Programme – 92** organised by the UGC – Academic Staff College of the University of Calcutta during **26th December 2011** to **21st January 2012**.
5. **Orientation Programme – 89** organised by the UGC – Academic Staff College of the University of Calcutta during **11th June** to **9th July 2011**.

AWARDS RECEIVED:

1. Received an award under the **National Scholarship Scheme, Government of India** on the result of B.Sc. Physiology (Hons.) Part-II Examination 1997, held by the University of Calcutta.
2. Awarded with **Dr. Satya Ranjan Dasgupta Memorial Prize** in the year **1998**, by **Prof. Satya Ranjan Dasgupta Memorial Committee**, Raja Peary Mohan College, Uttarpara.
3. Felicitated with most prestigious **Prof. B.B. Sarkar Memorial Research Prize 2001** by **The Physiological Society of India**, for Best Published Research Paper.
4. Recipient of prestigious **Bharat Jyoti Award - 2014**, conferred by the India International Friendship Society for meritorious services, outstanding performance and remarkable role in academics and research.

RESEARCH PROJECTS / GRANTS:

Project Scheme	Title of the Project	Role	Amount & funded by
Major Research Project	High intensity exercise induced alteration in haematological, oxidative stress and muscle damage parameters in male and female athletes. <i>[Memo No.: 706/(Sanc.)/ST/P/S&T/2G-11/2020 dated 08/10/2021; File No.: ST/P/S&T/2G-11/2020 dated 08/10/2021]</i>	Principal Investigator	Rs.17,42,800.00 Department of Science & Technology and Biotechnology, Govt. of West Bengal
Major Research Project	PCOS amalgamates structurally modified erythrocyte: A new maneuver to PCOS spectrum. <i>[F No.: 5/10/FR/94/2020-RBMCH dated 28/12/2021]</i>	Co-Investigator	Rs.30,00,000.00 Indian Council of Medical Research (ICMR)
Minor Research Project	Validity of Cooper's 12 minute run test in healthy sedentary adults <i>[Sanction No: 41-1299/2012 (SR) dated 30.07.2012]</i>	Principal Investigator	Rs.1,85,000.00 University Grants Commission
Incentive Grant	Pulmonary function of university students	Principal Investigator	RM1000 Universiti Sains Malaysia
Short Term Grant	Effect of caffeine and ginseng supplementation on endurance performance in the hot environment	Principal Investigator	RM20589 Universiti Sains Malaysia
Short Term Grant	Effects of soy protein supplementation on endurance performance in a hot and humid environment"	Co-investigator	RM38,000 University Sains Malaysia

MEMBERSHIP:

1. **Fellow** of **International College of Nutrition (FICN)**.
2. **Life member** of **International College of Nutrition (FICN)**.
3. **Founder Fellow** of **The Physiological Society of India (FPSI)** since 2021.
4. **Life Member** of the **The Physiological Society of India (PSI)** since 2001
 - a. Positions in **The Physiological Society of India (PSI)**
 - i. **Hony. Treasurer of PSI** for the tenure **2013–2016, 2016–2019, 2019–2022** (up to 20th January 2022)
 - ii. **Assistant General Secretary of PSI** for the tenure of **2010–2013**.
 - iii. Executive Committee member of **PSI** since 2003
5. **Life Member** of the **Federation of Indian Physiological Societies (FIPS)**
6. **Life Member** of the **South Asian Association of Physiologists (SAAP)**
7. **Life Member** of the **Indian Science Congress Association**
(Section : Medical Sciences including Physiology) [Membership No. : L16500]
8. **Life Member** of the **Association of Physiologists and Pharmacologists of India (APPI)**
9. **Life Member** of the **Association of Physiologists of India (ASSOPI)**
10. Member of the **Asian Council of Science Editors ((2019 – 2020)**
11. **Life Member** of the **West Bengal Association of sports Medicine**

RESEARCH EXPERIENCE:

1. Engaged in extensive research while conducting the Ph.D. project during Jan 2000 to Dec 2002.
2. Conducted some small projects on working populations as well as in school children and college students while working at IDS, Bareilly, UP, India during Sept 2003 to June 2006.
3. Conducted research projects in parallel with the teaching activities at University level (University Sains Malaysia).
4. Currently conducting research projects on different populations, especially in athletic populations in the field of Sports and Exercise Physiology and Ergonomics and Work Physiology.

JOURNAL EDITORIAL BOARD MEMBERSHIP :

1. Associate Editor of **International Journal of Physical Education and Sports**
2. Editorial Secretary (2016 to 2021) of **Indian Journal of Physiology and Allied Sciences**

Editorial Board Member of

3. *Al-Ameen Journal of Medical Sciences*
4. *American Journal of Sports Science*
5. *Asian Journal of Biomedical and Pharmaceutical Sciences*
6. *Global Advanced Research Journal of Medicine and Medical Sciences*
7. *Greener Journal of Medical Sciences*
8. *Indian Journal of Basic and Applied Medical Research*
9. *International Journal of Basic and Applied Medical Sciences*
10. *International Journal of Basic and Applied Physiology*
11. *International Journal of Health Care and Biomedical Research*
12. *International Journal of Natural Sciences*
13. *International Journal of Physiology*
14. *International Journal of Research in Medical Science*
15. *International Journal of Scientific Research*
16. *Journal of Food Science and Nutritional Therapy*
17. *Journal of Medical Physiology and Therapeutics*
18. *Journal of Research in Biology*
19. *Medical Research Archives*
20. *Medical Science Research and Reports*
21. *World Journal of Life Sciences and Medical Research*

REVIEWER in Peer Reviewed Journals :

1. Advances in Applied Physiology
2. African Journal of Agricultural Sciences
3. African Journal of Pharmacy and Pharmacology
4. Al-Ameen Journal of Medical Sciences
5. American Journal of Men's Health
6. American Journal of Sports Science and Medicine
7. Baltic Journal of Health and Physical Activity
8. BMC Physiology (Biomed Central Group)
9. British Medical Journal Open Sports and Exercise Medicine
10. Defence Life Science Journal
11. Greener Journal of Medical Sciences
12. Indian Journal of Biological Sciences
13. Indian Journal of Experimental Biology
14. Indian Journal of Medical Research
15. International Journal of Natural Sciences
16. Journal of Food and Nutrition Research
17. Journal of Human Sports and Exercise
18. Journal of Medicine and Medical Sciences
19. Journal of Obesity and Overweight
20. Journal of Physical Activity and Research
21. Journal of Physical Education and Sports Management
22. Journal of Sports Research
23. Journal of Veterinary Medicine and Animal Health
24. Nigerian Journal of Physiological Sciences
25. Pulmonary Medicine
26. Research Quarterly for Exercise and Sport
27. Turkish Journal of Medical Sciences
28. Wesleyan Journal of Research
29. World Heart Journal

SUPERVISION:

Ph.D. Student Awarded as Principal Supervisor:

- 1. Dr. Anindita Singha Roy** *M.Sc., Ph.D.*
Date awarded: September 6, 2018.
Title of thesis: Effect of Ramadan Intermittent Fasting on Different Components of Physical Fitness in Young Muslim Males of Kolkata, India.
- 2. Dr. Rishna Dalui** *M.Sc., Ph.D.*
Date awarded: August 6, 2019.
Title of thesis: Fitness Profile of Male Judo and Karate Players – a Physiological Perspective.
- 3. Dr. Biswajit Chaki** *M.Sc., Ph.D.*
Date awarded: January 11, 2021.
Title of thesis: High Intensity Exercise Induced Oxidative Stress, Immune Function Alteration and Skeletal Muscle Damage in Pre- and Post-Pubertal Boys: a Comparative Study.
- 4. Dr. Soma Das** *M.Sc., Ph.D.*
Date awarded: April 26, 2021.
Title of thesis: Evaluation of Physical Fitness, Academic Achievement and Creativity in School Going Girls (16 – 18 Years) of Kolkata, India.

5. Dr. Sangita Pal M.Sc., Ph.D.

Date awarded: July 11, 2022.

Title of thesis: Comparative Assessment of Gender Difference in Exercise Induced Oxidative Stress, Hematological Alteration, Skeletal Muscle and Cardiac Muscle Damage Following High Intensity Exercise in Healthy School Going Boys and Girls.

Ph.D. Student Awarded as Associate Supervisor:

6. Dr. Mousumi Mitra M.Sc., Ph.D.

Date awarded: January 31, 2022.

Title of thesis: Green Synthesis of Gold Nanoparticles Using Bark Extract of *Terminalia arjuna* and It's Protection Against Hepato-Renal Dysfunctions on Experimentally Induced Rats.

Supervisor of following 2 (two) Ph.D. students

1. Nirmal Das M.Sc.
2. Sudeep Mitra M.Sc.

Enrolled Ph.D. Students:

1. Dwipayan Dasgupta M.Sc.
2. Debajyoti Mukherjee M.Sc.

Joint / Associate Supervisor of the following 6 (Six) Ph.D. students

1. Rubia Mondal M.Sc.
2. Sohini Basu M.Sc.
3. Surojit Sarkar M.Sc.
4. Monalisa Debnath M.Sc.

Supervised the following M.Sc. theses :

- Explosive Power, Upper Body Muscular endurance and Morphological Parameters in Male Volleyball Players of Kolkata
Name of the candidate: Farheen Fatma (M.Sc. – Human Physiology, University of Calcutta)
- Fitness profile of Male Volleyball and Water Polo Players: a Comparative Study.
Name of the candidate: Madhuparna Bhattacharya (M.Sc. – Human Physiology, University of Calcutta)
- Effect of Wearing Surgical Masks on Cardiorespiratory Markers during Submaximal Exercise.
Name of the candidate: Pragati rai (M.Sc. – Human Physiology, University of Calcutta)
- Selective Fitness Profile Parameters in Male Volleyball Players of Kolkata.
Name of the Candidate: Shireen Farhat Nisha (M.Sc. – Human Physiology, University of Calcutta)
- Explosive Power, Upper Body Muscular Endurance and Body Composition in Male water polo Players of Kolkata.
Name of the Candidate: Soumak Chakraborty (M.Sc. – Human Physiology, University of Calcutta)
- Selective Fitness Profile Parameters in Male Water polo Players of Kolkata.
Name of the candidate: Subhajit Dey (M.Sc. – Human Physiology, University of Calcutta)
- Fitness Profile in Rural School Going Children of 10 – 11 Years of Age.
Name of the candidate: Ranoita Chakraborty (M.Sc. – Human Physiology, University of Calcutta)

- Morphological Characteristics and Reaction Time in Sprinters: a Gender Variation
Name of the candidate: Sanchari Dutta (M.Sc. – Human Physiology, University of Calcutta)
- Morphological Characteristics and Reaction Time in Male Sprinters
Name of the candidate: Tannistha Ghoshal (M.Sc. – Human Physiology, University of Calcutta)
- Cardiorespiratory Fitness, Anaerobic Power and Motor Abilities in Male Sprinters of Kolkata.
Name of the Candidate: Tiasha Bhattacharya (M.Sc. – Human Physiology, University of Calcutta)
- Cardiorespiratory Fitness, Anaerobic Power and Motor Abilities in Sprinters: a Gender Variation.
Name of the candidate: Swati Mondal (M.Sc. – Human Physiology, University of Calcutta)
- Evaluation of Selective Cardiorespiratory Fitness Parameters, Anaerobic Power and Muscular Endurance in Male Bengalee Cricketers.
Name of the candidate: Soumyadeep Chatterjee (M.Sc. – Human Physiology, University of Calcutta)
- Morphological Characteristics, Motor Ability Parameters and Reaction Time in Bengalee Cricketers.
Name of the candidate: Arpan Ghosh (M.Sc. – Human Physiology, University of Calcutta)
- Cardiovascular Fitness, Anaerobic Capacity and Reaction Time on Male Taekwondo Players.
Name of the candidate: Dipanwita Mondal (M.Sc. – Human Physiology, University of Calcutta)
- Morphological Characteristics, Motor Ability Parameters and Reaction Time in Male and Female Athletes: a Comparative Study.
Name of the candidate: Manisha Nath (M.Sc. – Human Physiology, University of Calcutta)
- Evaluation of Selective Cardiorespiratory Fitness Parameters, Anaerobic Power and Muscular Endurance in Male and Female Track and Field Athletes: a Comparative Study.
Name of the candidate: Swastidipa Adak (M.Sc. – Human Physiology, University of Calcutta)
- Fitness Profile of Male Bengalee Cricketers of West Bengal, India – a Physiological Perspective.
Name of the Candidate: Sourojeet Samanta (M.Sc. – Human Physiology, Rammohan College, University of Calcutta)
- Fitness Profile of Male and Female Track and Field Athletes – a Gender Variation.
Name of the Candidate: Mahjabeen Begum (M.Sc. – Human Physiology, Rammohan College, University of Calcutta)
- Motor Fitness, Body Composition and Somatotype in Male Soccer Players.
Name of the candidate: Oindrila Roy (M.Sc. – Human Physiology, University of Calcutta)
- Cardiovascular Fitness, Anaerobic Capacity and Reaction Time in Male Taekwondo Players.
Name of the candidate: Dipanwita Mondal (M.Sc. – Human Physiology, University of Calcutta)
- Cardiorespiratory Fitness, Anaerobic Capacity and Reaction Time in Male Soccer Players.
Name of the candidate: Rakhi Laha (M.Sc. – Human Physiology, University of Calcutta)
- Fitness Profile of Female Soccer Players of West Bengal, India.
Name of the candidate: Anwasha Pal (M.Sc. – Human Physiology, University of Calcutta)
- Selective Fitness Profile Parameters in Adolescent Soccer Players.
Name of the candidate: Shreya Dey (M.Sc. – Human Physiology, University of Calcutta)
- Evaluation of Psycho-physiological Parameters of Homemakers and Working Women of West Bengal, India – a Comparative Study.

Name of the candidate: Bidisha Pal (M.Sc. – Human Physiology, University of Calcutta)

- Fitness Profile in Volleyball and Basketball Players – a Physiological Perspective.
Name of the candidate: Sohini Basu (M.Sc. – Human Physiology, University of Calcutta)
- Fitness Profile in Soccer and Hockey Players of Kolkata, India.
Name of the candidate: Tamoghni Manna (M.Sc. – Human Physiology, University of Calcutta)
- Cardiorespiratory Fitness, Body Composition and PEFr in Volleyball and Waterpolo players.
Name of the candidate: Anwasha Ghosh (M.Sc. – Human Physiology, University of Calcutta)
- Motor Fitness and Anaerobic Power in Volleyball and Waterpolo Players of Kolkata, India.
Name of the candidate: Diptesh Roy (M.Sc. – Human Physiology, University of Calcutta)
- Motor Fitness of University Students – Difference Between Genders.
Name of the candidate: Basuli Goswami (M.Sc. – Human Physiology, University of Calcutta)
- Pulmonary Function in Bengalee Vocal Instrumentalists and Different Categories of Singers.
Name of the candidate: Adipa Saha (M.Sc. – Human Physiology, University of Calcutta)
- Development of Musculoskeletal Disorders among the Gardeners during Shovelling Activity – a Prevalence Study.
Name of the candidate: Subhadip Nandy (M.Sc. – Human Physiology, University of Calcutta)
- Pulmonary Function in Female Singers of Kolkata, India.
Name of the candidate: Anindita Singha Roy (M.Sc. – Human Physiology, University of Calcutta)
- Validity of Cooper’s 12 Minute Walk Run Test for Estimation of Maximum Oxygen Uptake in Female University Students of Kolkata, India.
Name of the candidate: Sunanda Chakraborty (M.Sc. Human Physiology, University of Calcutta)
- Validity of Cooper’s 12 Minute Walk Run Test for Estimation of Maximum Oxygen Uptake in Male University Students of Kolkata, India
Name of the candidate: Prasun Haldar (M.Sc.- Human Physiology, University of Calcutta)
- Effect of Caffeine and Ginseng Supplementation on Endurance Performance in the Hot Environment.
Name of the candidate: Wong Chee Ping (M.Sc. - Sports Science, University Sains Malaysia.
- Co-Supervisor of the M.Sc. thesis entitled “Effects of Soy Protein Supplementation on Endurance Performance in a Hot and Humid Environment” at Sports Science Unit, School of Medical Sciences, University Sains Malaysia..
Name of the candidate: Mohd. Rahimi B Che Jusoh
- Supervisor of post-graduate students in the continued medical education seminars for presenting their lectures under the curriculum of M.Sc. in Sports Science, University Sains Malaysia.

TEACHING EXPERIENCE :

Post-graduate Level :

- (i)** Currently teaching in **M.Sc.** courses in Human Physiology, Sports Physiology, Sports Nutrition and Sports Biochemistry of University of Calcutta
- (ii)** Visiting / Guest Lecturer in **M.Sc.** (Human Physiology) under
 - i. University of Kalyani
 - ii. Midnapore College (Autonomous)
 - iii. Raja N. L. Khan Women's College under the Vidyasagar University
 - iv. Rammohan College under the University of Calcutta
- (iii)** Taught in **M.Sc.** (Sports Science), School of Medical Sciences, University Sains Malaysia, Kelantan, Malaysia since 29.06.2006.

Under-graduate Level:

- (i)** Worked as a **Lecturer** in the **School of Health Sciences, University Sains Malaysia, Kelantan, Malaysia** from **29.06.2006 to 28.06.2009** – teaching in the courses of **B.Sc.** (Sports Science) and **B.Sc.** (Biomedicine).
- (ii)** Worked as an **Assistant Professor of Physiology, Institute of Dental Sciences** - a dental college recognized by the **Dental Council of India** and affiliated to MJP Hohilkhand University, Bareilly, Uttar Pradesh, India, from **19.09.2003 to 13.06.2006**.
- (iii)** Worked as a Part-time **Lecturer of Physiology (B.Sc.)** in Hooghly Mohsin College, a **Government College**, under **Burdwan University, West Bengal, India**.
- (iv)** Worked as a Part-time **Lecturer of Physiology (B.Sc. – Honours and Pass Courses)** in **Serampore College**, under the **University of Calcutta, India**.
- (v)** Worked as a Part Time **Lecturer of Physiology (B.Sc. – Honours and Pass Courses)** in **Vidyasagar College** under the **University of Calcutta, India**.
- (vi)** Worked as **Guest Lecturer of Physiology (B.Sc.)** in **Acharya Jagadish Chandra Bose College**, under the **University of Calcutta, India**.
- (vii)** Worked as a Part-time **Lecturer of Physiology** at **Bangiya Bijnan Parishad, Kolkata, India** conducting the course for **Diploma in Medical Laboratory Technicians (DMLT)**.

Service rendered as a Subject Expert to the Government of West Bengal :

1. Member of the Selection Committee of one Junior Research Fellow in the Department of Physiology, University of Calcutta in a Research Project funded by DST, Govt. of West Bengal under the Supervision of Dr. Roshnara Mishra.
2. Member of the Selection Committee of one Junior Research Fellow in the Department of Physiology, Sister Nivedita Women's Government College, Kolkata, in a Research Project funded by DST, Govt. of West Bengal under the Supervision of Dr. Atanu Saha.
3. "Subject Expert" of Selection Committee for the Junior Research Fellow in the Department of Physiology, University of Calcutta in a Research Project funded by DST, Govt. of West Bengal.
4. "Subject Expert" of Selection Committee for the Recruitment of a Guest Lecturer in the Department of Physiology, Raja Peary Mohan College, Uttarpara, Hooghly, West Bengal.

5. Evaluator for the selection of School Teachers by the West Bengal Central School Service Commission.
6. Member of the Expert Committee in the evaluation for promotion of Graduate Laboratory Instructors (GLI).

Organising Conferences / Workshop :

- i. Worked as the **Treasurer** of the Organising Committee of 27th Annual Conference of the Physiological Society of India and the 6th Congress of the Federation of Indian Physiological Societies (FIPSPHYSICON-2015) on Translational Physiology – a Changing Paradigm; held at the University of Calcutta during 18–20 December, 2015.
- ii. Worked as the **Treasurer** of the Organising Committee of International Conference on Molecules to Systems Physiology (**ICMSP**) – **2013** that was held to celebrate the Centenary year of Post – Graduate teaching in Physiology under the Department of Physiology, University of Calcutta.
- iii. Worked as a Member in the Organising Committee of the **International Workshop** of the **South Asian Association of Physiologists – 2012** held during **19-23 June 2012** under the joint auspices of Physiological Society of India, University of Calcutta, Bose Institute (Kolkata), Indian Institute of Chemical Biology (Kolkata), National Institute of Cholera and Enteric Diseases (Kolkata) and Defence Research Development Organisation (DRDO, Delhi).
- iv. Worked as the Treasurer of International Conference on Molecules to System Physiology (ICMSP 2011) that was organised in the auspices to celebrate the Centenary Year of the Postgraduate Teaching in Physiology in the Department of Physiology, University of Calcutta.
- v. Worked as a Member of the Organising Committee and In-Charge of the “Transport and Accommodation Committee” of the INTERNATIONAL CONFERENCE ON INTEGRATIVE PHYSIOLOGY : MODERN PERSPECTIVE and **Platinum Jubilee Celebration** of the **Physiological Society of India**, held at Science City, Kolkata, India, during 12 – 14 November, 2009.
- vi. Working as a Member of the RECEPTION COMMITTEE of the conference entitled “Humanizing Work and Work Environment”, to be held at Department of Physiology, University of Calcutta, Kolkata, India, during 14 – 16 December, 2009.
- vii. Worked as a Scientific Committee Member of joint conference of 4th Asia Pacific Conference on Sports and Exercise Science and 8th International Sports Science Conference which was jointly organized by the Sports Science Unit of School of Medical Sciences and Exercise and Sports Science Programme of School of Health Sciences, University Sains Malaysia and Asia Pacific Council of Exercise and Sports Science (APCESS), during 15 – 17 July 2009 at Kota Bharu, Kelantan, Malaysia.
- viii. Worked as a Scientific Committee Member of 7th Sports Science Conference, organized jointly by Sports Science Unit and School of Health Sciences, University Sains Malaysia during September 3–5, 2007 at Kota Bharu, Kelantan, Malaysia.

Language Proficiency : Bengali, English and Hindi.

Hobby : Playing Table Tennis and Travelling.

Place :

Date :

(Dr. Amit Bandyopadhyay)