



Name: Dr. Banibrata Das M.Sc; Ph.D
Current Position: Associate Professor & HOD
Department: Department of Physiology
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Google Scholar

Citations- 1846

h- index- 25

i10 index-38

Scopus

Citations- 844

h- index-18

Publons (Web of Sciences)

Citations- 490

h- index-15

Research Gate

Citations- 1175

h- index-21

Academic Qualification- M.Sc. in Physiology, Ph.D.

Specialization- Ergonomics, Public & Occupational Health

Research Interest- Ergonomics and Public Health

Total No of Publication = 58

Total No of Publication in Peer reviewed Journal- 53

International – 44

National – 09

Total number of Conference attended

International – 06

National – 08

❖ **CHAIRPERSON**

Seminar on Ergonomics & Safety at Work (SESW) Manipal College of Medical Sciences Pokhara (Nepal) & Pokhara University (Nepal) 2009.

❖ **INVITED LECTURE**

Sri Sri University at Cuttack “Ergonomics for Prevention of Accidents, Safety and Productivity: In Agricultural Sector. Dated- 09.08.2020

❖ **LEAD LECTURE**

Department of Physiology, University of Calcutta in International Conference, HWWE 2024. “Risk factors associated with Work-Related Musculoskeletal Disorders (WMSDs) among the female rice farmers of West Bengal, India.” Dated-13.12.2024

❖ **PRINCIPAL INVESTIGATOR:**

UGC Minor Research Project: An ergonomics study on occupational health problems of workers in unorganized sector of West Bengal and its probable management.(UGC). UGC Reference No. F. PSW-147/11-12 (ERO). Dated- 25.01.2012

❖ **Enlisted as Joint Supervisor in Department of Physiology, University of Calcutta, in May, 2025.**

❖ **Membership in Profesional bodies**

- i) Indian Science Congress Association, Life Member
- ii) Physiological Society of India (PSI), Life Member
- iii) Indian Society of Ergonomics (ISE), Life Member
- iv) International Commission of Occupational Health (ICOH), Member

❖ **Reviewers in International Journals of**

- i) Ergonomics (Taylor & Francis)
- ii) Journal of Agromedicine (Taylor & Francis)
- iii) Journal of Occupational and Environmental Hygiene (Taylor & Francis)
- iv) Safety & Science (Elsevier)
- v) Safety Health @Work (Elsevier)
- vi) Archives of Environmental & Occupational Health (Taylor & Francis)
- vii) International Journal of Injury Control and Safety Promotion (Taylor & Francis)
- viii) International Journal of Occupational Safety and Ergonomics (Taylor & Francis)
- ix) BMJ Open (Springer Nature)

- x) BMJ Musculoskeletal Disorders (Springer Nature)
- xi) BMJ Public Health (Springer Nature)
- xii) Theoretical Issues in Ergonomics Science (Taylor & Francis)
- xiii) Toxicology & Industrial Health (Sage)
- xiv) Journal of Tropical Pediatrics (Oxford Publication)
- xv) Workplace Health & Safety (Sage)etc etc

Publications List:

Sl No	Title	Year of Publication	Journals Name	ISSN No.
1.	Risk factors of low back pain among railway track-maintainers in India Banibrata Das	2025 24 (1-4), 239-250	Journal of Chiropractic Medicine Elsevier Publication IF-0.8	1556-3707
2.	Analyzing musculoskeletal risk prevalence among railway track maintainers: an analysis of health risk assessment in India. Banibrata Das & Somnath Gangopadhyay	2025 31(4), 963-975	International Journal of Occupational Safety and Ergonomics. Taylor & Francis Publication IF – 1.70	1080-3548
3.	Nutritional Level Assessment Based on Body Mass Index (BMI) Among The Female College Students of South Calcutta Girls' College, Kolkata S Kundu, C Bhattacharjee, Das B	2025 4 (1), 33-42	South Calcutta Girls College Academia	3048-8672
4.	Health risk assessment and prevalence of work-related musculoskeletal disorders among the aged brick molders, in India Banibrata Das	2024; 40 (6), 293-305	Toxicology and Industrial Health Sage Publication IF – 1.90	0748-2337
5.	Adverse health effects and perceived musculoskeletal pain and injuries among the sawmill workers of West Bengal, India Banibrata Das	2024; 40 (1-2), 9-22	Toxicology and Industrial Health Sage Publication IF – 1.90	0748-2337
6.	Work-related Musculoskeletal Disorders in Agriculture: Ergonomics risk assessment and its prevention among Indian farmers Banibrata Das	2023; 76 (1), 225- 241.	Work: A Journal of Prevention, Assessment & Rehabilitation Sage, Netherland IF – 2.3	1051-9815

7.	Prevalence and associated risk Factors of musculoskeletal Disorders (MSDs) and physiological stress among the female brick molders of West Bengal, India Banibrata Das	2022; 33 (1), 12-21.	Journal of the Ergonomics Society of South Africa	1010-2728
8.	Ergonomic and psychosocial risk factors for low back pain among rice farmers in West Bengal, India. Banibrata Das	2022; 72, 967-977.	Work: A Journal of Prevention, Assessment & Rehabilitation Sage, IF – 1.802	1051-9815
9.	The effects of using an ergonomic aid on the physical workload and body discomfort reported by pre-adolescent farmers in West Bengal, India. Banibrata Das, Somnath Gangopadhyay, Tirthankar Ghosh	2021; 70, 571-582.	Work: A Journal of Prevention, Assessment & Rehabilitation Sage, Netherland IF – 1.802	1051-9815
10.	Assessment of ergonomic exposure, work-related occupational injuries and prevention: child work in the brickfield industry in India. Banibrata Das	2021; 37(8),481-495	Toxicology and Industrial Health Sage Publication IF – 2.273	0748-2337
11.	Improved work organization to increase the productivity in manual brick manufacturing unit of West Bengal, India Banibrata Das	2021; 81,103040	International Journal of Industrial Ergonomics (Elsevier) Netherland IF- 2.656	0169-8141
12.	Occupational agricultural injuries among the preadolescent workers of West Bengal, India. Banibrata Das and Somnath Gangopadhyay,	2021; 33 (4), 20180178.	International Journal of Adolescent Medicine and Health. Walter de Gruyter Publication (Germany)	2191-0278
13.	Prevalence of work-related occupational injuries and its risk factors among brickfield workers in West Bengal, India Banibrata Das	2020; 80 103052	International Journal of Industrial Ergonomics (Elsevier) Netherland IF- 2.656	0169-8141
14.	Effects of Awkward Posture on Work-Related Musculoskeletal Disorders (WMSDs) among Sawmill Workers in India Banibrata Das	2020; 9 (3), 158- 166	Journal of Occupational Health and Epidemiology Rafsanjan University of Medical Sciences (Iran)	2251-8096
15.	Work-related injuries, postural stress, and musculoskeletal disorders among the railway track maintainers of India Banibrata Das	2020, 36 (5), 371-385	Toxicology and Industrial Health Sage Publication IF – 2.273	0748-2337

16.	Effect of Ergonomic Intervention on Health and Safety of Informal Workers at India Ghosh T, Gangopadhyay S, Das B	2020, 24 (4); S15-S16.	Indian Journal of Occupational and Environmental Medicine. (MedKnown Publisher)	0973-2284
17.	Prevalence of respiratory symptoms and respiratory disorders among carpenters in India. Banibrata Das	2019; 48 (2); 83-91.	Journal of Ergology J Stage (Tokyo)	0300-8134
18.	Gender Differences in Prevalence of Musculoskeletal Disorders and Physiological Stress among the Brick Field Workers of West Bengal, India. Banibrata Das	2019, 63 (3); 389- 403.	Work: A Journal of Prevention, Assessment & Rehabilitation Sage, Netherlands IF – 1.505	1051-9815
19.	Health hazards and risks for musculoskeletal problem among child labour in brickfield sector of West Bengal, India. Banibrata Das	2019, 11 (4); 250- 257.	International Health, Oxford University Press IF – 1.664	1876-3413
20.	Assessment of Sustainable Development of New Ergonomics Aid for the Betterment of Job Procedure in Ridding Activity in Potato Cultivation among the Farmers of West Bengal, India. Banibrata Das	2019, 3 (1): DOI: 10.23880/eoj-16000189	Ergonomics International Journal (Medwin Publisher, UK) IF – 1.578	2577-2953
21.	Thermal stress, cardiovascular stress and work productivity among the female brick field workers of West Bengal, India. Banibrata Das	2018; 47, 1-11.	Journal of Ergology J Stage (Tokyo)	0300-8134
22.	Prevalence of Malnutrition among the Preadolescent Brickfield Workers of West Bengal, India. Banibrata Das	2018; 8 (5), 36-44.	International Journal of Health Science and Research IF – 3.21	2249-9571
23.	Physical Exertion, Thermal stress affects the Cognitive Performance on Adolescent Farmers of West Bengal, India. Banibrata Das and Ghosh T	2018; 8 (2), 13 – 18.	International Journal of Occupational Safety and Health (Nep-Jol)	2091 – 0878
24.	Anthropometric profiles and assessment of nutritional status based on body mass index (BMI) among the prawn seed collectors of Sunderban, West Bengal, India. Banibrata Das	2017; 23, 16 –23.	Indian Journal of Biological Sciences	0972-8503

25.	Assessment of respiratory symptoms and lung function values among the brick field workers of West Bengal, India. Banibrata Das	2016; 71(4): 222-230	Archives of Environmental and Occupational Health. Taylor & Francis IF – 1.180	1933-8244
26.	An evaluation of low back pain among female brick field workers of West Bengal, India. Banibrata Das	2015; 20, 360- 368	Environmental Health and Preventive Medicine. Springer Publication	1342-078X
27.	Gender differences in prevalence of musculoskeletal disorders among the rice farmers of West Bengal, India Banibrata Das	2015; 50 (2), 229-240	Work: A Journal of Prevention, Assessment & Rehabilitation Sage, Netherlands IF – 1.505	1051-9815
28.	Prevalence of Musculo skeletal disorders and physiological stress among adult male potato cultivators of West Bengal, India. Banibrata Das	2015; 27 (2), NP1669- 1682.	Asia Pacific Journal of Public Health. SAGE Publication IF – 1.459	1010-5395
29.	Assessment of Occupational health problems and Physiological stress among the brick field workers of West Bengal, India. Banibrata Das	2014; 27 (3), 413-425	International Journal of Occupational Medicine and Environmental Health Springer Publication IF – 1.541	1232-1087
30.	Prevalence of Respiratory Symptoms and Disorders among Rice Mill Workers in India. Ghosh T, Gangopadhyay S, Banibrata Das	2014; 19, 226 233.	Environmental Health and Preventive Medicine. Springer Publication	1342-078X
31.	Prevalence of work-related musculoskeletal disorder among the brick field workers of West Bengal, India. Banibrata Das	2014; 69(4): 231-240.	Archives of Environmental and Occupational Health. Taylor & Francis Publication IF – 1.180	1933-8244
32.	Agricultural work-related injuries among the farmers of West Bengal, India. Banibrata Das	2014; 21(3): 205-215.	International Journal of Injury Control and Safety Promotion. Taylor & Francis Pub IF – 1.342	1745-7300
33.	Prevalence of Musculo Skeletal Disorder and Occupational Health Problem among Groundnut Farmers of West Bengal, India. Banibrata Das , Ghosh T, Somnath Gangopadhyay	2013; 42 (1), 1-12.	Journal of Ergology J Stage (Tokyo)	0300-8134

34.	Estimation of maximum oxygen uptake by evaluating cooper 12-min run test in female students of West Bengal, India. Banibrata Das	2013, 8(4), 1008-1014	Journal of Human Sport Exercise (Spain)	1988-5202
35.	Child Work in Agriculture in West Bengal, India: Assessment of Musculoskeletal Disorders and Occupational Health Problems. Banibrata Das, Ghosh T, Somnath Gangopadhyay	2013; 55 (4) 244-258	Journal of Occupational Health. Oxford Publication IF – 2.708	1348-9585
36.	Assessment of Ergonomical and Occupational Health Related Problem Among the Female Prawn Seed Collectors of Sunderban, West Bengal, India Banibrata Das, Ghosh T, Somnath Gangopadhyay	2012; 18(4):531-540.	International Journal of Occupational Safety and Ergonomics. Taylor & Francis Publication IF – 1.601	1080-3548
37.	An ergonomics evaluation of posture related discomfort and occupational health problems among rice farmers. Banibrata Das, Somnath Gangopadhyay	2011, 10 (1-2), 25- 38.	Occupational Ergonomics. IOS Press Publication (Netherland)	1359-9364
38.	Peak Expiratory Flow Rate among Child Labourers in West Bengal, India. Banibrata Das, T Ghosh, Somnath Gangopadhyay.	2011, 48 (6), 487 – 488.	Indian Pediatrics. Springer Publication IF – 1.163	0019- 6061
39.	A Comparative Ergonomic Study of Work-Related Upper Extremity Musculo Skeletal Disorder among the Unskilled and Skilled Surgical Blacksmiths in West Bengal, India. T Ghosh, Banibrata Das, Somnath Gangopadhyay.	2011, 15 (3), 127- 132.	Indian Journal of Occupational and Environmental Medicine. Medknow Publishers	0973-2284
40.	A Study on Factors of Dissatisfaction and Stress of the Blacksmiths Resulting from the Organizational Culture in Surgical Instrument Industry of India. T Ghosh, Banibrata Das, Somnath Gangopadhyay.	2011, 20 (2), 124- 30.	Industrial Psychiatry. Medknow Publishers	0972-6748
41.	Assessment of Ergonomical and Occupational health related problems among VDT workers of West Bengal, India. Banibrata Das, T Ghosh	2010; 1, 26 –31.	Asian Journal of Medical Science (Nepal)	2467-9100

42.	A Comparative study of Physical Fitness Index (PFI) and predicted Maximum Aerobic capacity (VO ₂ max) among the different groups of female students in West Bengal, India. Banibrata Das , T Ghosh, Somnath Gangopadhyay.	2010, 22 (1),13-23.	International Journal of Sports and Health Sciences (Korea)	1598- 2939
43.	Work-related musculoskeletal disorder: An occupational disorder of the goldsmiths in India. T Ghosh, Banibrata Das , Somnath Gangopadhyay.	2010, 35(2), 321- 325.	Indian Journal Community Medicine. Medknow Publishers	0970- 0218
44.	Effect of Working Posture on Occurrence of Musculoskeletal Disorders among the Sand Core Making Workers of West Bengal. S Gangopadhyay, T Ghosh, T Das, G Ghosal, Banibrata Das .	2010, 18 (1),44 – 48.	Central European Journal of Public Health IF – 0.653	1210-7778
45.	An Ergonomic Study on Posture Related Discomfort and Occupational Related Disorders among Stone Cutters of West Bengal, India. S Gangopadhyay, Banibrata Das , T Das, G Ghosal, T Ghosh.	2010, 16 (1), 69 -79.	International Journal of Occupational Safety and Ergonomics. Taylor & Francis Publication IF – 1.601	1080-3548
46.	Ergonomics study on musculoskeletal disorders among female agricultural workers of West Bengal, India. S Gangopadhyay, T Ghosh, T Das, G Ghosal, Banibrata Das . S Dev,	2009, 21(1), 11-22.	Ergonomics SA (Ergonomics Journal of South Africa)	1010-2728
47.	The prevalence of musculoskeletal disorder (MSD) among the prawn seed collectors of Sundarbans. S Gangopadhyay, Banibrata Das , T Das, G Ghosal, T Ghosh.	2008, 37 (2), 83-90.	Journal of Ergology J Stage (Tokyo)	0300-8134
48.	Prevalence of Upper limb Musculo Skeletal Disorders among Brass Metal Workers in West Bengal, India. S Gangopadhyay, T Ghosh, T Das, G Ghosal, Banibrata Das .	2007, 45, 365-370.	Industrial Health (J Stage, Japan) IF – 1.319	0019-8366
49.	Impact of Injuries on Work Performance among the Surgical Blacksmiths of West Bengal. S Gangopadhyay, T Ghosh, T Das, G Ghosal, Banibrata Das .	2007, 14(, 2), 85-92.	Injury Control and Safety Promotion. Taylor & Francis Publication IF – 1.342	1745-7300

50.	The Prevalence of Musculoskeletal Disorders among Pre-adolescent Agricultural Workers of West Bengal, India. S Gangopadhyay, Banibrata Das , T Das, G Ghosal,	2006 , 18 (1), 14-21.	Ergonomics SA (Ergonomics Journal of South Africa)	1010-2728
51.	An Ergonomic Study on Posture-Related Discomfort among Preadolescent Agricultural Workers of West Bengal, India. S Gangopadhyay, Banibrata Das , T Das, G Ghosal.	2005 , 11(3), 315 – 322.	International Journal of Occupational Safety and Ergonomics. Taylor & Francis Publication IF – 1.601	1080-3548
52.	Prevalence of Musculoskeletal Disorders among pre- adolescent agricultural workers of West Bengal, India. S Gangopadhyay, Banibrata Das , T Das, G Ghosal.	2004 , 16 (1), 2-14.	Ergonomics SA (Ergonomics Journal of South Africa)	1010-2728
53.	An Ergonomic Study on the Development of Musculoskeletal Disorders among the Fixed Load and Variable Load Handling Workers of Kolkata. S Gangopadhyay, T Das, G Ghosal, Banibrata Das.	2003 , 9, 37-45.	Indian Journal Biological of Sciences	0972-8503

Chapter in books

Sl No.	Chapter in books	Year of Publications	Books	ISBN No.
	Title			
1	An Ergonomic Evaluation of Spading Activity among the Child Labours in Agricultural Sector in West Bengal, India. Banibrata Das, Somnath Gangopadhyay	2010, pp 235– 246.	Ergonomic for Everyone, Chapter X Ergonomics in Intervention and Design. edited by Somnath Gangopadhyay. Allied Publisher Pvt.Ltd,	(978-81-910303-0-3)
2	Study on the prevalence of musculoskeletal disorders among agricultural workers of West Bengal, India. Banibrata Das, Somnath Gangopadhyay	2009, pp-96-104.	Women in Agriculture in Developments in Agricultural and Industrial Ergonomics, Vol 2: Women at Work, edited by L.P.Gite, C.R.Mehta, NachiketKotwaliwale and Joydeep Majumder, Allied Publisher Pvt.Ltd,	978-81-8424-449-6
3	Concept of metropolitan city students on the design of a safe school bus : A participatory ergonomics study Samrat Dev, Banibrata Das, Somnath Gangopadhyay	2009, pp-12-18.	Anthropometry and Work place Design in Developments in Agricultural and Industrial Ergonomics, Vol 1: General Studies, edited by L.P.Gite, C.R.Mehta, NachiketKotwaliwale and Joydeep Majumder, Allied Publisher Pvt.Ltd,	978-81-8424-449-9
4	A Comparative Analysis on Work-related Musculoskeletal Disorders between different groups of Workers in West Bengal, India. Banibrata Das, Somnath Gangopadhyay	2008, pp- 491-496	Humanizing Work and WorkEnvironment, Vishwakarma Institute of Technology,Pune, Edited by Hemant Abhyankar, Shriram M. Sane, Prakesh R. Vaidya, Vinayak M. kale, Published by Vishwakarma Institute of Technology, Pune, Printed at Kalyani Corporation	978-81-906198-2-0
5	Comparative Study of Peak Expiratory Flow Rate among the Child Labour in West Bengal, India. Banibrata Das, Somnath Gangopadhyay	2006, pp 297-304.	Humanizing Work and Work Environment, Indian Institute of Technology, Guwahati, Assam, Editted by Deb Kr. Charaborty Published by IIT Guwahati Allied Publishers Private Limited (India),	81-8424-124-0