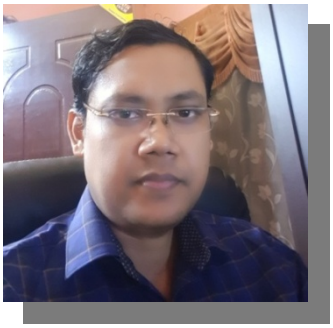
Murshidabad University

FACULTY ACADEMIC PROFILE/ CV



Full name of the faculty member: **Dr. Gourab Biswas**

Designation: **Assistant Professor**

Contact information: **9830776636 (M)**

E-mail: **gourab.biswas07@gmail.com / gbphysiol@msduniv.ac.in**

Academic qualifications:

College/University from which the degree was obtained	Abbreviation of the degree
University of Kalyani	**B.Sc. (Hons.)**
University of Kalyani	**M.Sc.**
University of Kalyani	**M.Phil.**
University of Kalyani	**Ph.D.**

Positions held/ holding: **Assistant Professor**

Research interests: **Occupational Health, Ergonomics, Work Physiology, Epidemiology & Public Health**

Research guidance: NA

M.Sc. dissertation guided: **10**

Select list of publications (Only number):

a) Journals: **23 (Annexure - I)**
b) Books/ book chapters: **01 (Annexure - II)**
c) Conference/ seminar volumes: **12 (Annexure - III)**

Posters/Papers presented: **International – 04, National – 08 (Annexure - IV)**

Reviewer:

1. ***International Journal of Occupational Safety and Ergonomics (JOSE)*, Taylor & Francis**
2. ***Journal of Occupational Health (Japan Society for Occupational Health)*, Wiley Online Library**

Membership of Learned Societies: **Life Member, *The Physiological Society of India (PSI)***

Invited lectures delivered on:

1. **"Occupational health and its importance at present"**, *International Seminar on Current Advancements in Modern Biology* (2024), University of Gour Banga, Maldah, West Bengal, India
2. **"Importance of Occupational Health in the Development of the Nation",** *International Conference on Sustainable Health: Translational Research from Molecules to Behavioural Aspects (HP-Scientific Talk-2025)*, Department of Human Physiology, Vidyasagar University, Paschim Medinipur, West Bengal, India

Awards:

1. Rajiv Gandhi National Fellowship (UGC), 2009

2. Rajiv Gandhi National Fellowship (UGC), 2011

3. Best NUHM Staff (District Health & Family Welfare Samiti, Nadia, Government of West Bengal), 2017

4. Best Original Paper in Science Category in National Conference for Multidisciplinary Research (NCMR-2020), JIS University, West Bengal (2020)

Annexure - I

List of Journal Publications

1. On the variation of summer thermal stress over Kolkata from 1995 to 2009 by R. Bhattacharya, **G. Biswas**, R. Guha, S. Pal and S. S. Dey, *Vayumandal*, 35-36 (1-4), 16-21, (2010); ISBN: 0970-1397

2. Assessment of working postures and associated health status of construction workers by R. Bhattacharya and **G. Biswas**, *Science and Culture*, 77, 52 – 57, (2011); ISSN: 0036-8156

3. An estimation of heat stress in tropics by R. Bhattacharya, S. Pal, **G. Biswas**, S. Karmakar and R. Banik, *International Journal of Engineering Science and Technology*,

4, 4302-4307, (2012); ISSN: 0975-5462

4. Potential of malaria transmission windows in an urban and rural areas of West Bengal, India by R. Bhattacharya, R. Banik, P. Barman, **G. Biswas** and A. Bhattacharya, *International Journal of Pharmaceutical Research and Bio-Science,* 1(6), 382-396 (2012); ISSN: 2277-8713

5. A journey through malaria research by R. Bhattacharya, P. K. Bandhyapadyay, R. Banik, **G. Biswas** and P. Barman, *International Journal of Environmental Science,* 3(2), 47-54 (2012); ISSN: 2229-7356

6. Risk Factors of Upper Limb Musculoskeletal Disorders of Computer Users: A Preliminary Report by R. Bhattacharya, **G. Biswas** and A. Bhattacharya, *International Journal of Electronics & Communication Technology*, 4 (Spl- 1), 156-154 (2013); ISSN: 2230-9543

7. Socioeconomic and environmental determinants of malaria by R. Bhattacharya, R. Banik, P. Barman, **G. Biswas** and A. Bhattacharya, *International Journal of Pharmaceutical Research and Bio-Science,* 2(1), 124-138 (2013); ISSN: 2277-8713

8. Seasonal Distribution of Comfortability: A Regional Based Study over Kalyani, West Bengal, India by R. Bhattacharya, S. Pal, **G. Biswas**, S. Karmakar and G. Saha, *International Journal of Innovative Research in Science, Engineering and Technology*, 2(7), 2856-2862 (2013); ISSN: 2347-6710

9. Degree of Discomfort over Assam Using Meteorological Data by R. Bhattacharya, **G. Biswas** and A. Bhattacharya, *International Journal of Electronics & Communication Technology*, 5 (Spl – 2), 80-83(2014); ISSN: 2230-9543

10. Environmental stresses from dye factories: A case study at Nadia, West Bengal by M. Mondal, **G. Biswas** and R. Bhattacharya, *International Journal of Environmental Sciences,* 6 (4), 467-471 (2016); ISSN: 0976-4402

11. Assessment of heat stress on open field workers at four Indian coastal stations **by G. Biswas**, A. Bhattacharya, M. Ali and R. Bhattacharya, *International Journal of Innovative Research in Science, Engineering and Technology*, 5 (3), 2998-3003 (2016); ISSN: 2347-6710

12. Occupational health risk of construction workers: a sample based study by **G. Biswas**, M. Ali, R. Bhattacharya, *Int J. Pharma. Res. Bio-Sci.*, 5(3), 129-141 (2016); ISSN: 2277-8713

13. A Review on the Health Status of Textile Dyeing Workers by **G. Biswas**, A Bhattacharya and R. Bhattacharya, *International Journal of Scientific Research*, **5(8)**, 594-596 (2016); ISSN: 2277-8179

14. A review on the occupational health of sugar cane workers by **G. Biswas**, A Bhattacharya and R. Bhattacharya, *International Journal of Biomedical Research*, 7(8), 568-570 (2016); ISSN: 2455-0566

15. Occupational health status of construction workers: A review by **G. Biswas**, A Bhattacharya and R. Bhattacharya, *International Journal of Medical Science and Public Health*, 6(4), 1-6 (2017); ISSN: 2320-4664

16. Work-related musculoskeletal disorders: A case study among male molasses workers in Nadia district of West Bengal, India by **G. Biswas**, A. Bhattacharya, R. Bhattacharya, *International Journal of Medical Science and Public Health*, 6(12), 1-7 (2017); ISSN: 2320-4664

17. Occupational health hazards among yarn dyeing workers of Santipur and Phulia in the Nadia district of West Bengal by **G. Biswas**, Md M. Ali, R. Bhattacharya, *International Journal of Medical Science and Public Health*, 7(5), 365-370 (2018); ISSN: 2320-4664

18. A Journey through heat stresses and its impact on population by M. Ali, **G. Biswas**, A. Bhattacharya and R. Bhattacharya, *Techno International Journal of Health, Engineering, Management & Science*, 2(2), 25-30 (2018); ISSN: 2581- 4257

19. Thermal stress analysis for Indian metro cities during summer months by A. Mitra, **G. Biswas**, J. Manna, A. Nandan, S. Bose, S. Chaudhury and R. Bhattacharya, JISU Journal of Multidisciplinary Research, 1(1), 63-70 (2019)

20. Occupational health hazards of beedi industry workers – A review by **G. Biswas**, *International Journal of Scientific Research*, 12(8), 1-3 (2023); ISSN: 2277 – 8179

21. Occupational health hazards among the healthcare workers during covid-19 - A review by **G. Biswas**, *Global Journal for Research Analysis*, 12(8), 1-4 (2023); ISSN: 2277 – 8160

22. Occupational health hazards and posture analysis of the beedi workers of Murshidabad district, West Bengal by **G. Biswas**, Akash Sanyal and Sabiruddin Sarkar, *International Journal of Scientific Research*, 12(10), 1-4 (2023); ISSN: 2277 – 8179

23. A review on occupational non-communicable diseases around the world by D. Biswas, T. Islam, S. Sanyal and **G. Biswas**, *International Journal of Science and Research*, 13(8), 1628-1636 (2024), ISSN: 2319 – 7064

Annexure - II

Publication in book

1 Occupational hazards particularly musculoskeletal disorders among Zori workers in rural areas of Howrah district, West Bengal by **G. Biswas** and R. Bhattacharya, *Contemporary Issues on Environmental and Development in India and Adjacent Countries*, 369-374 (2013), ISBN 978-81-928047-2-9

Annexure - III

Publications in Proceedings/ Abstract Books

1 Physiological stress during hot weather months over Kolkata, West Bengal by R. Bhattacharya and **G. Biswas**, *Proceedings of National Seminar on Biodiversity, Water resource and Climate change issues*, Kalyani University, 88-93 (2010)

2 Exposure to Communication Systems: A Case Study by R. Bhattacharya, P. Barman, **G. Biswas** and S. Biswas, *Proceedings of International Conference on Laser, Materials science and communication* (ICLMSC-2011), Burdwan University, 265-267 (2011); SBS Publication, ISBN: 978-93-80813-14-1

3 Distribution of Ground Reaching Global and Diffuse Solar Radiation over Kalyani, West Bengal, R. Bhattacharya, **G. Biswas**, S. Pal, P. Barman and S. Das, Proc. *International Conference on Engineering Education in the new Century* (E2NC-2012), 132-134 (2012); ISBN: 978-93-80663-35-7

4 Climatologies of solar radiation budgets over Kalyani, West Bengal, **G. Biswas** and R. Bhattacharya, *Proceedings of 17th National Space Science Symposium*, Tirupati, 179 (2012); ISBN: 978-93-81899-01-4

5 Nonlinear characteristics of observed global and diffuse radiation in Tropics by **G. Biswas**, S. Pal and R. Bhattacharya, *National Conference on Physics and its Applications* (CNPA-13), Department of Physics, Darjeeling Govt. College, West Bengal (2013)

6 Distribution of Comfortability over North-East Hilly Region of India using RAOB Data by **G. Biswas**, A. Bhattacharya and R. Bhattacharya, *18th National Space Science Symposium*, Dibrugarh University, Assam, PS-2 (2014); ISBN: 978-929186-0-0

7 Comparative study on the availability of solar radiation over some Indian cities by R. Bhattacharya, S. Pal, **G. Biswas** and P. Mali, *18th National Space Science Symposium*, Dibrugarh University, Assam, PS 3-40 (2014); ISBN: 978-929186-0-0

8 Nonlinear characteristics of observed global and diffuse radiation in Tropics by **G. Biswas**, S. Pal and R. Bhattacharya, *Proceedings of International Conference on Nonlinear Dynamics and is Applications in Physical and Biological Science* (*CNDAPBS* - 14), Dept. of Physics, Darjeeling Govt. College, West Bengal, 452014

9 Assessment of seasonal variation of thermal stresses over selected coastal stations of India by **G. Biswas**, R. Bhattacharya, R. Roy and A. Bhoumick, *19th National Space Science Symposium*, VSSC, ISRO, Tiruvananthapuram (2016); PS-1B ABST 55

10 Assessment of postural stresses among regular computer users by **G. Biswas**, A. Bhattacharya and R. Bhattacharya, *Proceedings of MDCCT-2016* (2016)

11 A statistical approach to analyze the thermal stress during summer months by A. Mitra, **G. Biswas**, J. Manna, A. Nandan, S. Bose, S. Chaudhury and R. Bhattacharya, *Proceedings of JIS University National Conference on Multidisciplinary Research* (2019); ISBN: 978-81-941310-1-4

12 Occupational Health and its importance at present by **G. Biswas,** *Book of Abstract, International Seminar on Current Advancements in Modern Biology* (2024), Page-10, University of Gour Banga, Maldah (WB)

Annexure - IV

Posters/ Papers presented

1 Socio-economic survey and posture analysis of prawn seed catchers of Sandeshkhali, West Bengal by **G. Biswas**, R. Bhattacharya and R. Ganguly, *International Symposium on Environmental Pollution, Ecology and Human Health*, 25-27th July, 2009, Tirupati, Andhra Pradesh

2 Physiological stress during hot weather months over Kolkata, West Bengal by R. Bhattacharya and **G. Biswas**, *National Seminar on Biodiversity, Water resource and Climate change issues*, Kalyani University, 10th March, 2010, Kalyani, West Bengal

3 On the variation of summer thermal stress from 1995 to 2009 by R. Bhattacharya, **G. Biswas**, R. Guha, S. Pal and S. S. Dey, TROPMET- 2010, 19-21st May, Kolkata

4 Exposure to Communication Systems: A Case Study by R. Bhattacharya, P. Barman, **G. Biswas** and S. Biswas, *International Conference on Laser, Materials science and communication* (ICLMSC-2011), Burdwan University, 7-9th December, 2011, Burdwan, West Bengal

5 Climatologies of solar radiation budgets over Kalyani, West Bengal by **G. Biswas** and R. Bhattacharya, *17th National Space Science Symposium*, Sri Venkateswara University,

14-17th February, 2012, Tirupati, Andhra Pradesh

6 Risk Factors of Upper Limb Musculoskeletal Disorders of Computer Users: A Preliminary Report by R. Bhattacharya, **G. Biswas** and A. Bhattacharya, *3rd National conference on Engineering Education in the New Century* (E2NC-2013), SKFGI, 15-16th February, 2013, Mankundu, Chandannagar, West Bengal

7 Occupational hazards particularly musculoskeletal disorders among Zori workers in rural areas of Howrah district, West Bengal by **G. Biswas** and R. Bhattacharya, *National Seminar on Contemporary Issues on Environmental and Development in India and Adjacent Countries*, 20-21st September, 2013, Kalyani Mahavidyalaya, West Bengal

8 Nonlinear characteristics of observed global and diffuse radiation in Tropics by **G. Biswas**, S. Pal and R. Bhattacharya, *National Conference on Physics and its Applications* (CNPA-13), Department of Physics, Darjeeling Govt. College, 26-28th November, 2013, Darjeeling, West Bengal

9 Distribution of Comfortability over North-East Hilly Region of India using RAOB Data by **G. Biswas**, A. Bhattacharya and R. Bhattacharya, *18th National Space Science Symposium*, Dibrugarh University, 29th January to 1st February, 2014, PS-2, 2014, Assam

10 Computation of thermal stress for outdoor workers: A regional based study over Kalyani, Nadia by **G. Biswas**, S. Pal and R. Bhattacharya, *International Conference on Nonlinear Dynamics and is Applications in Physical and Biological Science* (**CNDAPBS - 14**), Department of Physics, Darjeeling Govt. College, 1- 3rd November, 2014, Darjeeling, West Bengal

11 Assessment of seasonal variation of thermal stresses over selected coastal stations of India by **G. Biswas**, R. Bhattacharya, R. Roy and A. Bhoumick, *19th National Space Science Symposium*, Vikram Sarabhai Space Centre, ISRO, 9-12th February, 2016, Tiruvananthapuram

12 *Occupational Health – Now-a-days* by **G. Biswas,** *International Seminar on Emerging Trends in Chemical and Biological Sciences (ETCBS-2024)*, Department of Chemistry, Krishnath College, 10th December, 2024, Berhampore, Murshidabad, West Bengal