

**NAME****SOMNATH GANGOPADHYAY****PRESENT POSITION**

Ph.D, FABMS,FCIEHF, CErg HF, FPSI

Professor, Occupational Ergonomics Lab.  
Dept of Physiology**ADDRESS (HOME INSTITUTE)**University College of Science and Technology  
University of Calcutta  
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Calcutta 700 025, India**E MAIL**[ganguly1961@gmail.com](mailto:ganguly1961@gmail.com), [sgphys@caluniv.ac.in](mailto:sgphys@caluniv.ac.in)**PHONE No.**

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**MOBILE**

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**CITIZENSHIP**

Indian by birth

**ACADEMIC QUALIFICATIONS****Ph.D.** (Physiology), University of Calcutta, 1993**M.Sc.** (Physiology with specialization in Ergonomics and  
Work Physiology), University of Calcutta, 1984**B.Sc.** (Hons in Physiology with Chemistry and Zoology),  
University of Calcutta, 1982Awarded title **MABMS** by Indian Association of  
Bio Medical Scientists, 2001Awarded title **FABMS** by Indian Association of  
Bio Medical Scientists, 2005Awarded **FCIEHF** title, Chartered Institute of Ergonomics  
and Human Factors, 2020Awarded **C.ErgHF** award, Chartered Institute of Ergonomics  
and Human Factors, 2020Awarded **FPSI** title, Physiological Society of India, 2022

## MEMBERSHIP OF THE PROFESSIONAL BODIES

- a) Indian Science Congress Association, Life Member
- b) Indian Society of Ergonomics, Life Member
- c) Physiological Society of India, Life Member ( ExHon. General Secretary)
- d) Indian Association of Occupational Health, Life Member
- e) Indian Association of Biomedical Scientists, Life Member
- f) Metropolitan (Bypass) Institute for Developmental Studies and Welfare
- g) Centre for Working Life, Life Member
- h) Road Traffic Injury Research Network (RTIRN)
- i) International Society for Violence and Injury Prevention
- j) Prof. N.M.Basu Memorial Committee
- k) International Commission on Occupational Health (ICOH) Secretary SCOHSEIS
- l) Indian Association of Physiological Sciences
- m) Green World, Howrah, 2014
- n) Chartered Institute of Ergonomics and Human Factors : Fellow Member

## PROFESSIONAL EXPERIENCES

- a. PROFESSOR AND FORMER HEAD Department of Physiology, University of Calcutta, from 2017-2019.
- b. COORDINATOR Department of Sports Science, University of Calcutta, from 2018
- c. CONVENER, PhD Research Advisory Committee, Department of Physiology, University of Calcutta from 2019 to 2023
- d. MEMBER OF SYNDICATE University of Calcutta from 2018 to 2020
- e. MEMBER OF SENATE University of Calcutta from 2017 to 2019
- f. PROFESSOR Occupational Ergonomics Lab, Department of Physiology, University of Calcutta, from 2012.
- g. ASSOCIATE PROFESSOR Occupational Ergonomics Lab, Department of Physiology, University of Calcutta, from 2009-2012.
- h. READER, Occupational Ergonomics Lab, Department of Physiology, University of Calcutta, from 2006-2009.
- i. ADVISOR to the REGIONAL DIRECTOR, WHOSEARO, New Delhi, 2004-2005.
- j. SENIOR LECTURER, Ergonomics Lab, Department of Physiology, University of Calcutta, from 2001-2006.
- k. LECTURER, Ergonomics Lab, Department of Physiology, University of Calcutta, from 1997-2001.
- l. WORK PHYSIOLOGIST in Work Physiology and Ergonomics Section, Occupational Health Service Centre, Bhilai Steel Plant, SAIL.1992-1997.

## AWARDS AND FELLOWSHIPS:

1. **MABMS title**, Indian Association of Biomedical Scientists, 2001
2. **Principal Investigator** in two projects sponsored by University Grant Commission and All India Council for Technical Education, 2001
3. **Thangam Vasudevan Award**, Indian Association of Biomedical Scientists, 2002
4. **Scholarship** for Attending the 7<sup>th</sup> World Conference on Injury Prevention and Safety Promotion, Vienna, 2004.
5. **Advisor to the Regional Director**, WHOSEARO, New Delhi, 2004-2005.
6. **FABMS title**, Indian Association of Biomedical Scientists, 2005.
7. **Scholarship** for Attending the 8<sup>th</sup> World Conference on Injury Prevention and Safety Promotion, Durban, 2006.
8. **Scholarship** for Attending the IEA 2006: 16<sup>th</sup> World Congress on Ergonomics, Maastricht the Netherlands 2006.

9. **Visiting Professor**, at Department of Physiology in Jiangxi Chinese Medical University, Nanchang China. 2007, 2009.
10. **Shri Ramendra Sundar Sinha Memorial Oration Award** 2009.
11. **Invited Speaker and Chair Person** at 14<sup>th</sup> Commonwealth International Sports Science Congress held in Delhi from 27-30 September 2010.
12. **Invited lecture** at National Institute of Miners' Health, Nagpur on Occupational Safety and Health day, April 2013
13. **Invited lecture** as Distinguished Speaker at Asansol Engineering College in the symposium on Robotics to Ergonomics, May 4 2013
14. **Invited lecture as Resource person** at Faculty Development Program at North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, May 14 2013
15. **Invited Lecture** at HWWE 2013 at Vidyasagar University. Dec 4-6 2013
16. **Plenary Lecture** at 25<sup>th</sup> Annual Conference of PSI at Kamineni Institute of Medical Sciences. Dec 9-11, 2013
17. **Prof. S. Subhranian Oration Award** 2013 at 34<sup>th</sup> Annual Conference of IABMS at Madras University. Dec 27-29 2013
18. **Invited Lead Lecture** at HWWE 2014 at IIT Guwahati. Dec 3-5 2014
19. **Invited Symposium Lecture** at SAAP 4 at Dhaka, Bangladesh, Dec 5-7 2014
20. **Invited Lecture** at PHYSICON 2014 at Berhampur Girls College, Berhampur, Dec 19-21 2014
21. **Invited Lecture and Chair** at 22<sup>nd</sup> West Bengal State Science and Technology Congress 2015 at North Bengal University, North Bengal Feb 28-Mar 1 2015
22. **Invited Special Session Chair and Lecture** at ICOH 2015 at Seoul, South Korea May 31-June 5 2015
23. **Key note Address:** Application of Ergonomic Interventions in Informal Sectors of West Bengal, de la conférence International sur : Les Application de l'Ergonomie dans les Pays en voie de Développement, réalités et perspectives at Algiers, Algeria October 26 and 27
24. **Invited Resource Person and Panelist:** International workshop Basics of environmental and occupational safety and health science and practice Organized: International social security association, Harvard school of public health, collegium Ramazzini and Dhaka community hospital trust 19-20 November 2015  
Venue: Dhaka community hospital auditorium, Dhaka
25. **Prof. B B Sarkar Memorial Oration Award** 2015
26. **Invited Resource Person at ICOH-Scientific Committee** on Occupational Health in Small-Scale Enterprises and Informal Sectors (SCOHSSEIS) Workshops : Achieving Healthy Workplaces in Small and Medium Enterprises (SME) and Building Capability to Deliver Basic Occupational Health Services (BOHS) to the Informal Sector Workers 21<sup>st</sup> and 22<sup>nd</sup> September 2016 at New Delhi
27. **Invited Resource Person** in the Workshop on Ergonomics for the Design and Production Engineers of Garden Reach Shipbuilders & Engineers Ltd, (GRSE), Kolkata. Organised by NID, Ahmadabad and Garden Reach Shipbuilders & Engineers Ltd, (GRSE), Kolkata at GRSE, FOJ unit, Kolkata 17<sup>th</sup> and 20<sup>th</sup> January 2017
28. **Invited Resource person** to deliver lecture on Ergonomics in Design at Vidyasagar College for Women on 23<sup>rd</sup> February 2017
29. **Invited Resource Person** to deliver lecture on Ergonomics in Curriculum Design in the Workshop on Curriculum Development at Production Engineering Department , Jadavpur University on 9<sup>th</sup> March 2017
30. **Invited Speaker** to deliver lecture on Indian Ergonomics at The Chartered Institute of Ergonomics and Human Factor, London, United Kingdom on 31<sup>st</sup> May 2017.
31. **Invited Speaker** to deliver lecture on Indian Ergonomics in Recent Years at Institute of Naval Medicine, Fareham, United Kingdom on 1<sup>st</sup> June 2017.
32. **Invited Speaker** to deliver lecture on Ergonomics in Productivity Improvement at Indian Institute of Industrial Engineering, Kolkata on 27<sup>th</sup> October 2017.
33. **Invited as Session Chair, Speaker and Expert in Panel Discussion** at 32<sup>nd</sup> International Congress on Occupational Health (ICOH 2018) at **Dublin, Ireland** from April 29-May 04, 2018
34. **Invited Talk as Resource Person in the Workshop entitled Ergonomics in Industries**, Organized by ICOH SCOHSSEIS, IAOH and University of Calcutta , February 23, 2019

35. **Invited Talk as Resource Person in the Environment day Celebration, , entitled Interactive Environment**, Organized by **Indian Science Congress Association** and Victoria College, Calcutta, 8<sup>th</sup> June 2019
36. **Invited Talk as Resource Person in the Management Training at Berger Paints, Howrah**, 15<sup>th</sup> June 2019
37. **Plenary Lecture** at I International & X Occupational Health and Safety Congress at Adana, Turkey ,organised by UCTEA Chamber of Mechanical Engineers Adana Branch,Turkey, from 23 - 26 October 2019 at Çukurova University in Adana,Turkey.
38. **Plenary Lecture** at XXXIst Annual Conference of the Physiological Society of India (PHYSICON-2019) organised by the Department of Physiology, Bankura Christian College, Bankura, West Bengal, India during 15th -17th November 2019
39. **Keynote Plenary Lecture** at (OCCUCON-2020) International conclave on occupational health – 2020 organized by the ICOH and IAOH, India, during 28th -30th January 2020.
40. **Invited Lecture as Faculty** and interact with the participants on Ergonomics at Virtual Workshop Series on Occupational Health & Safety: Session on Ergonomics. Organized by- **Confederation of Indian Industry (CII)**, Wednesday, May 27, 2020 2:30 pm India Time (Mumbai GMT+05:30)
41. **Plenary Lecture as Resource Person and Chairman of a session** at the Virtual Conference of 8th ASSP India Chapter Professional Development Conference Organized by ICOH Scientific Committees and NITIE Mumbai 27th June 2020, 9am IST to 4.30 pm IST
42. **Invited Lecture as Faculty** in Physiological Well-Being During the COVID19 Pandemic, One Day State Level Webinar Organized by Department of Physiology Krishnagar Government College on 10th July 2020 at 1:45 pm
43. **FCIEHF** title, Chartered Institute of Ergonomics and Human Factors, 2020
44. **C.ErgHF** award, Chartered Institute of Ergonomics and Human Factors, 2020
45. Awarded **FPSI** title, Physiological Society of India, 2022

#### **INVOLVEMENT IN CURRENT INSTITUTIONAL RESEARCH PROJECT:**

1. Pulmonary function of workers working in the dusty areas.
2. Ergonomics study on major accidents
3. Ergonomics studies on burn accidents
4. Integrated ergonomics and occupational health studies of workers engaged in crane operation.
5. Ergonomics study on non-reportable and near misses accidents of construction workers.
6. Study on recovery pulse rate of middle aged workers.
7. Study on CTS among workers of continuous data entry.
8. Study on CTS among meat cutters of West Bengal.
9. Analysis of posture in different cooking activities.
10. Study on working behavior of female workers of organized sectors.
11. Effect of stress on Cognitive performance.
12. Human computer interaction.
13. Development of teaching aids for mentally retarded persons.
14. Conicity Index and Blood Pressure.
15. Study on MSD among workers of unorganized and organized sectors.
16. Study on Office Ergonomics
17. Study on workers engaged in hand intensive precision jobs.
18. Study on pre-adolescent agricultural workers.
19. Study on porters involved in MMH in the central market area and railway station.
20. Study on different communities to identify the concept of safety and safe behaviour.
21. Evaluation of child safety with special reference to the design of the school buses.
22. Design of intervention for the MMH workers in the central market area.
23. Assessment of auditory status of regular surface and underground railway passengers.

24. Ergonomic assessment of occupational health of construction worker
25. Estimation of iron content in potable water and iron-related diseases
26. Occupational health problems of part-time housemaids
27. Design of office shoes.
28. CG analysis of MMH workers in central market area of Kolkata
29. Design of WELDING TORCH and FACE SHIELD of arc welders of West Bengal
30. Design of Low Cost finger protective device of sewing machine operators.
31. Interventions for Informal Sectors
32. Design and Cognitive Ergonomics

**PRINCIPAL INVESTIGATOR:**

1. UGC-UPE Project : Investigation on type 1 Diabetes among different informal occupations in West Bengal (on going)
2. Indo –US Collaborative Project (Funded by ICMR-CDC) Economic Evaluation of Interventions to prevent Manual Material Handling Injuries in the Informal Labour Sector (2010-2013)
3. D.S.T Project. An Ergonomic Study on Occupational Health Problems of Women Engaged in Chikan Embroidery in West Bengal & its Probable Management (2012-2015)
4. AICTE Project An ergonomics study on repetitive tasks of workers working in different organised and unorganised sectors of India (2000-2003)
5. UGC Project Ergonomics and occupational health studies on low back pain during manual material handling in unorganised sectors (2000-2002)

**TEACHING AND RESEARCH ACTIVITIES:**

1. Taught Applied Physiology and Introductory Ergonomics in Semester I of Post graduate classes (M.Sc.)
2. Taught Advanced Ergonomics in Semester III of Post graduate classes (M.Sc.)
3. Taught Occupational Ergonomics, Cognitive Ergonomics in Semester IV of Post graduate classes (M.Sc.).
3. Supervised Post Graduate students on conducting Ergonomics Group and Individual Projects.
4. Supervised Ph.D. students on Ergonomics Research Projects.

**ACTIVITIES AS CONSULTANT**

- a. Coal Mines
- b. Construction, Heavy Engineering factories
- c. Coal India Ltd
- d. Loss Prevention Council of India
- e. Godrej & Boyce Mfg. Co. Ltd, Office Furniture Division.
- f. Larsen & Toubro Ltd, ECC Construction Division.
- g. Numaligrah Refinery Ltd, Jorhat, Assam
- h. World Health Organization South East Asia Regional Office (WHOSEARO), New Delhi.
- i. Hindustan Lever Limited, Kolkata.
- j. Cachar Paper Mill, Hindustan Paper Corporation, Assam.
- k. Prax Air, Howrah.
- l. India Glycol Ltd, Kashipur, Uttarakhand.
- m. MSME Program in Rolling Mill cluster, National Institute of Design
- n. Birla Ultratech Cement, Hirmi
- o. Vedanta Aluminium Company, Jharsuguda, 2012
- p. Bharat Aluminium Company (BALCO), Korba, 2013, 2016
- q. Saint-Gobain Ceramic Materials Private Limited, Bhutan, 2013
- r. Birla Ultratech Cement, Rawan, 2013
- s. Talwandi Sabo Power Ltd, Bhatinda, 2014, 2018
- t. Birla Ultratech Cement, Chhitorgrah, 2014
- u. Jindal Steel and Power Limited, Raigarh, 2015
- v. Birla Ultratech Cement, Karnataka, 2015
- w. Tata Global Beverages Limited, Kolkata, 2016, 2019

- x. MSME Program in Optical Lens cluster, Howrah Green World, 2016
- y. Vedanta Aluminium Company, Lanjigarh, Orissa, 2017
- z. Aditya Aluminium, Lapanga, Orissa, 2017
- aa. MSME Program in Lock & Key cluster, Howrah Green World, 2017
- bb. JK Paper Mill, Rayagada, Odisha, 2017
- cc. Paradeep Phosphates Limited, Paradeep, Odisha, 2018
- dd. The TATA Power Company Ltd, Haldia, 2018
- ee. Sarda Energy & Minerals Ltd. (Formerly Chhattisgarh Electricity Company Ltd.), Raipur, 2018
- ff. Amalgamated Plantation Ltd, Guwahati, 2019
- gg. Berger Paints, Howrah, 2019
- hh. Ultratech Cement Works, Durgapur, 2020
- ii. TATA STEEL PLANT, Jamshedpur, February, 2021
- jj. Berger Paints India Limited, Assam, March, 2021
- kk. Bharat Aluminium Company (BALCO), Korba, 2021
- ll. JSW STEEL PLANT, Dolvi Maharashtra, October, November 2022
- mm. ADANI POWER RAJASTHAN LIMITED, KAWAI 23 to 25 January 2023
- nn. TATA STEEL PLANT, Jamshedpur, February, 2023

**HON. GENERAL SECRETARY (FORMER)**

Physiological Society of India

**SECRETARY**

International Commission on Occupational Health Scientific Committee: Occupational Health in Small Scale Enterprises and Informal Sector (OHSSEIS)  
Institutional Human Ethical Committee, Department of Physiology, University of Calcutta

**CHAIRPERSON**

Institutional Human Ethical Committee, Raja Peary Mohan College, Uttarpara

**HONORARY TRESURER**

Indian Society of Ergonomics

**FELLOW MEMBER**

Chartered Institute of Ergonomics and Human Factors

**MEMBER (Medical Scientist)**

Institutional Human Ethical Committee, Department of Physiology, Presidency University

**MEMBER (Governing Body)**

Victoria Institution (College), Kolkata

**MEMBER IN TECHNICAL COMMITTEE**

Howrah Chamber of Commerce and Industry (HCCI), Howrah  
Rural Biotechnology Committee at Department of Biotechnology, Govt. of West Bengal  
PGD-15, ERGONOMICS Section, Bureau of Indian Standards (BIS)

**MEMBER OF UNIVERSITY ACADEMIC COMMITTEE**

University Senate, University of Calcutta

University Syndicate, University of Calcutta

**CHAIRPERSON, SPECIAL LECTURE and PANELIST OF SPECIAL SESSION, SYMPOSIUM**

- a. Ergonomics Session, 17th Asian Conference on Occupational Health Taiwan, November 2002.
- b. 26<sup>th</sup> Annual Conference of Indian Association of Biomedical Scientists, Kolkata, November 2005.
- c. International Ergonomics Conference (HWWE 2005), Indian Institute of Technology, Guwahati, December 2005.
- d. International Ergonomics Conference (HWWE 2008), Vishwakarma Institute of Technology, Pune, December 2008.
- e. 14<sup>th</sup> Commonwealth International Sports Science Congress held in Delhi from 27-30 September 2010
- f. The Second International Conference of the South East Asian Network of Ergonomics Societies (SEANES) from 9-12 July 2012 held in Langkawi, Malaysia. Panelist of Special Session on **Ergonomics Interventions in SMEs.**
- g. **Occupational Safety and Health Day** at National Institute of Miners' Health. 29<sup>th</sup> April, 2013
- h. **Two days' Seminar on advances in manufacturing: from Robotics to Ergonomics**, 3<sup>rd</sup> and 4<sup>th</sup> May 2013 at Asansol Engineering College.
- i. **Organized Symposium entitled Design and Evaluation of Interventions to prevent MSDs at PREMUS 2013, 7<sup>th</sup> to 11<sup>th</sup> July 2013, Busan, Korea**
- j. **Distinguished Speakerlecture** at National Institute of Miners' Health, Nagpur on Occupational Safety and Health day, April 2013
- k. Invited lecture as Distinguished Speaker at Asansol Engineering College in the symposium on Robotics to Ergonomics, May 4 2013
- l. Invited lecture as Resource person at Faculty Development Program at North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, May 14 2013
- m. Invited Lecture and Chair Person at HWWE 2013 at Vidyasagar University. Dec 4-6 2013
- n. Plenary Lecture and Chair Person at 25<sup>th</sup> Annual Conference of PSI at Kamineni Institute of Medical Sciences. Dec 9-11, 2013
- o. Prof. S. Subhramanian Oration Award 2013 Lecturer and Chair Person at 34<sup>th</sup> Annual Conference of IABMS at Madras University. Dec 27-29 2013
- p. Invited Speaker and Chair Person at 100th Indian Science Congress, Kolkata, February 3-7 2014
- q. Distinguished Faculty at National Institute of Miners' Health, Nagpur in Applied Ergonomics Workshop, November 28-30, 2014
- r. Invited Lead Speaker and Chair Person at 12<sup>th</sup> HWWE, Guwahati, December 3-5; 2014
- s. Invited Speaker and Chair Person at 4<sup>th</sup> SAAP, Dhaka, Bangladesh, December 5-7; 2014
- t. Invited Lecture and Chair at 22<sup>nd</sup> West Bengal State Science and Technology Congress 2015 at North Bengal University, North Bengal Feb 28-Mar 1 2015
- u. Invited Special Session Chair and Lecture at ICOH 2015 at Seoul, South Korea May 31- June 5 2015
- v. Key note Address: Application of Ergonomic Interventions in Informal Sectors of West Bengal, de la conférence International sur : Les Application de l'Ergonomie dans les Pays en voie de Développement, réalités et perspectives at Algiers, Algeria October 26 and 27, 2015
- w. **Invited Resource Person and Panelist:** International workshop Basics of environmental and occupational safety and health science and practice Organized: International social security association, Harvard school of public health, collegium Ramazzini and Dhaka community hospital trust Venue: Dhaka community hospital auditorium, **Dhaka** 19-20 November 2015
- x. **Key note Address:** Application of Ergonomics in Re-Rolling mills of West Bengal for the Improvement of Safety and Health at 4<sup>th</sup> ASSE India Chapter Professional Development Conference 2016, **Kolkata**

- y. **Invited Talk as Resource Person** in the section of Ergonomics at the Workshop on Principles of Modern Safety in Mines organized by Indian School of Mines Alumni Association, Kolkata Chapter, **Kolkata** 2016
- z. **Invited** to discuss on The Reform of IUPS with Prof. Denis Noble, President IUPS at the Balliol College, Oxford University, **Oxford, United Kingdom** 2016
- aa. **Invited Talk** as Guest Speaker in the School of Design at the University of **Loughborough, United Kingdom** 2016
- bb. **Invited lecture** : Fifth South Asian Association of Physiologists (SAAP V) Conference at Kathmandu University, **Nepal** , November 9-12, 2016
- cc. **Plenary Lecture** : Twenty eighth National Conference of Physiological Society of India (PHYSIOCON 2016), **Midnapore**, November 18-20, 2016
- dd. **Key note Address:** Ergonomic Interventions for the Improvement of Cognitive Processing at International Conference on Management of Ergonomic Design, Industrial Safety and Healthcare Systems (MESH 2016) December 20-23, 2016, Indian Institute of Technology, Kharagpur.
- ee. **Chairperson** in the Session of Ergonomic Design at International Conference on Management of Ergonomic Design, Industrial Safety and Healthcare Systems (MESH 2016) December 20-23, 2016, Indian Institute of Technology, Kharagpur.
- ff. **Invited Lecture** at the Chartered Institute of Ergonomics and HumanFactor (London Ergonomics Group), London, UK, May 31, 2017
- gg. **Invited Lecture** at the Institute of Naval Medicine, Fareham, UK, June 1, 2017
- hh. **Invited Lecture** at Sapurji Industry, Kolkata, August 23, 2017
- ii. **Invited Lecture** at XXIXth Annual Conference of The Physiological Society of India (PSI) and the VIIth Congress of the Federation of Indian Physiological Societies (FIPS):FIPSPHYSIOCON 2017), **DIPAS-DRDO**, New Delhi November 05-07, 2017
- jj. **Chairperson** in the Session of Ergonomics at XXIXth Annual Conference of The Physiological Society of India (PSI) and the VIIth Congress of the Federation of Indian Physiological Societies (FIPS):FIPSPHYSIOCON 2017), **DIPAS-DRDO**, New Delhi November 05-07, 2017
- kk. **Invited Lecture** at Indian Oil Corporation Ltd, Mathura October 13, 2017
- ll. **Invited Lecture** at Indian Institute of Industrial Engineering, Kolkata October 27, 2017
- mm. **Panel Speaker** at Symposium on Addressing Occupational Health Hazards of Musculoskeletal System and the Preventive Measures organized by **Indian Association of Occupational Health (West Bengal)**, January 06, 2018
- nn. **Address as Session Chair** at Industrial Safety and Surveillance Conclave, organized by **Indian Chamber of Commerce, Kolkata**, February02, 2018
- oo. **Address as Session Chair, Speaker and Expert in Panel Discussion** at 32<sup>nd</sup> International Congress on Occupational Health (ICOH 2018) at **Dublin, Ireland**, April 29-May 04, 2018



- pp. **Invited Talk as Resource Person in the Workshop entitled Ergonomics in Industries**, Organized by ICOH SCOHSSEIS, IAOH and University of Calcutta, February 23,2019
- qq. **Plenary Lecture** at 7th ASSP India Chapter Professional Development Conference Organized by ICOH and IIT Madras, April 27 and 28,2019
- rr. **Plenary Lecture** at I International & X Occupational Health and Safety Congress at Adana, Turkey ,organised by UCTEA Chamber of Mechanical Engineers Adana Branch,Turkey, from 23 - 26 October 2019 at Çukurova University in Adana,Turkey.
- ss. **Plenary Lecture** at XXXIst Annual Conference of the Physiological Society of India (PHYSI-CON-2019) organised by the Department of Physiology, Bankura Christian College, Bankura, West Bengal, India during 15th -17th November 2019.
- tt. **Keynote Plenary Lecture** at (OCCUCON-2020) International conclave on occupational health – 2020 organized by the ICOH and IAOH, India, during 28th -30th January 2020.
- uu. **Invited Lecture as Faculty** and interact with the participants on Ergonomics at Virtual Workshop Series on Occupational Health & Safety: Session on Ergonomics. Organized by **Confederation of Indian Industry (CII)**, Wednesday, May 27, 2020 2:30 pm India Time (Mumbai GMT+05:30)
- vv. **Plenary Lecture as Resource Person and Chairman of a session** at the Virtual Conference of 8th ASSP India Chapter Professional Development Conference Organized by ICOH Scientific Committees and NITIE Mumbai 27th June 2020, 9am IST to 4.30 pm IST
- ww. **Invited Lecture as Faculty** in Physiological Well-Being During the COVID19 Pandemic, One Day State Level Webinar Organized by Department of Physiology Krishnagar Government College on 10th July 2020 at 1:45 pm
- xx. **Invited Lecture as Faculty** in "COVID-19: Issues of its Spread and impact on Human Society" One day International webinar. Organized by Indian Medical Association (IMA), Katwa Branch, in collaboration with Bigyan Chetona, Katwa, Purba Bardhaman on 26th July 2020 at 6 pm .
- yy. **Facilitator** for the Online Certificate course in Workplace Ergonomics on 7<sup>th</sup> – 9<sup>th</sup> August 2020, organized by Sri Sri University, Cuttack. Lecture on Introduction to Ergonomics on 7<sup>th</sup> August 2020 at 10am.
- zz. **Invited Lecture** in UNESCO/UNITWIN Network Web Seminar 2020, August 6 & 7 2020.
- aaa. **Distinguished SPEAKER** in Webinar of Women's Polytechnic, Govt. of Tripura, 12 August 2020 at 7PM
- bbb. **Lead Lecture** in International Webinar on "Ergonomics and new normal phase." organized by Department of Physiology, Sabang Sajanikanta Mahavidyalaya on 1st September, 2020 at 3 pm
- ccc. **Speaker and Panelist** in Working from Home - The Ergonomic Issues and considerations

- Organized by CIEHF, U.K and ISE, India on 5th September 2020 at 3.30 pm (India time).
- ddd. **Distinguished SPEAKER** in the State Level Webinar on Ergonomics and Health : Working from Home under COVID 19.  
Organized by Physiology Department and IQAC, Rammohan College, Kolkata on 15th September 2020 at 4.30 pm
- eee. **Invited Speaker** in the Three Day National Webinar on COVID 19: Fighting Together and Moving Forward from 25-27th September, 2020; Organized by Department of Physiology, Berhampore Girls' College, Berhampore, Murshidabad in association with The Physiological Society of India, Kolkata
- fff. **Invited Speaker in the IIIE Kolkata Chapter** organized the 1st Technical Webinar # 2020/1 on October 14 2020 during 5.30-7.30 pm. Lecture topic : Ergonomics and Safety during New Normal
- ggg. **Lead Speaker in the HWWE 2020 Conference.** Webinar Organized by Theem College of Engineering, Boisar, India at Google meet on December 10, 2020 during 4.00-5.30 pm. Lecture topic : Humanizing work in Indian SMEs during New Normal situation.
- hhh. **Panelist** in the ICOH SC Committee in the Construction Industry - Mini Symposium (virtual) on 11<sup>th</sup> December 2020 at 9pm in Microsoft Team.
- iii. **Invited Speaker** in the Webinar organized by Banwarilal Bhalotia College, Asansol at Google meet on December 16, 2020 from 11.20 AM. Lecture topic: Human in Design
- jjj. **Invited Speaker** in the Webinar organized by Department of Physiology and IQAC, Harimohan Ghosh College, Kolkata at Google meet on February 27 2021 from 5.30 PM. Lecture topic: Occupational Stress and Psychological distress developed in Work From Home in COVID Pandemic.
- kkk. **Invited Speaker** in the Webinar organized by Rabindrik Psychotherapy Research Institute Trust, Kolkata at Zoom on February 28 2021 from 10 AM. Lecture topic: Ergonomics in Design.
- lll. **Invited Presenter** in the online conference Ergonomics and Human Factors 2021 (EHF 2021). From April 19 -21, 2021. Lecture topic: Occupational Health Survey among Indian Postal Workers during COVID 19 Pandemic .Recorded lecture incorporated on 19.4.2021
- mmm. **Invited Theme Lecture** in the online conference 9th ASSP India Chapter Professional Development Conference. From April 28-29, 2021. Lecture topic: Social Well-Being in Covid Situation. Presented on 29.4.2021.
- nnn. **Invited Speaker** in the Webinar organized by Swami Vivekananda University, Barrackpore, West Bengal at Google Meet on August 12 2021 from 12:00 noon to 2:00 pm. Lecture topic: Ergonomics in Industry.
- ooo. **Invited Speaker** in the Webinar on "Safety, Ergonomics and Well-being at Work" Organized by Indian Association for Productivity, Quality and Reliability in Collaboration with American Society for Safety Professionals - India Chapter at Google Meet on August 22 2021 from 4:00 pm to 6:30 pm. Lecture topic: Introduction to Ergonomics for Employees' well being.
- ppp. **Distinguished Speaker** in the National Webinar organized by Department of Sports Science, Punjab University, Patiala at Google Meet on August 29 2021 from 11:30 am to 1:30 pm. Lecture topic: Sports Ergonomics.
- qqq. **Invited Talk as Resource Person** in the UGC Academic Staff College, Jadavpur University. Online talk on Ergonomics in Class room design on September 15 2021 at 2pm

- rrr. **Key note Speaker in the online** "SYMPOSIUM EFFECTS OF THE PANDEMIC PROCESS ON OCCUPATIONAL HEALTH AND SAFETY ON THE WAY TO OHS CONGRESS" 22<sup>nd</sup> and 23<sup>rd</sup> October 2021. Title of the delivered talk is Effects of pandemic – an Indian perspective. Delivered on 23<sup>rd</sup> October 2021 at 3pm Turkey time. Organised by TMMOB MAKİNA MÜHENDİSLERİ ODASI ADANA ŞUBESİ UNION OF CHAMBERS OF TURKISH ENGINEERS AND ARCHITECTS CHAMBER OF MECHANICAL ENGINEERS, Adana, Turkey
- sss. **Distinguished Speaker** in the Annual Scientific Seminar and Prize distribution Program at the Department of Physiology, Serampore College on 18 December, 2021 (Saturday) at 11a.m. Lecture topic: Design Ergonomics in COVID 19 pandemic.
- ttt. **Chair and Speaker** of the Special Session 5 Development of Basic Occupational Health Services, more needed than ever of International Congress on Occupational Health 2022. Organized by International Commission on Occupational Health. 6 to 10 February 2022. Melbourne-Rome Global Digital Congress.
- uuu. **Invited Speaker** in the Technical Session on the celebration of **Science Day** on 28th February, 2022 at 2-30 PM at IndianScience Congress Association Headquarters. Topic of Lecture : Cognitive ergonomics in product design : an integrated approach in science and technology.
- vvv. Invited as a **Resource Person** for the SPARC-Sponsored Training Course on ‘Human Factors Engineering in Healthcare Systems’ during May 16 - 20, 2022 at IIT Kharagpur, India
- www. Invited as a **Speaker** for Extension Lecture organized by Department of Human Physiology, Vidyasagar University Medinipur WEST BENGAL NDIA on June 08, 2022 at 1.00 PM in the department as a part of Students' Development Program.
- xxx. **Invited Talk as Resource Person** in the UGC Academic Staff College, Jadavpur University. Online talk on Ergonomics in Class room on July 02 2022 at 10.30 am
- yyy. **Invited Talk as Resource Person** in the **Webinar** organized by the Chartered Institute of Ergonomics and Human Factors (CIEHF) on Effects of the Pandemic on the Indian Informal Economy on September 23 2022 at 4.30 pm (India time).
- zzz. **Invited as Distinguished Session Judge in the Physiology discipline** for the 5<sup>th</sup> Regional Science and Technology Congress, 2022 held at the University of Gour Banga, Malda, West Bengal on the 11<sup>th</sup> and 12<sup>th</sup> of January 2023

#### **CONVENER**

The International Conference on Frontier Researches in Integrative Physiology,  
Calcutta University, Calcutta, January 8-10, 2007  
PhD Research Advisory Committee, Department of Physiology, University of Calcutta

#### **COORDINATER**

Calcutta University NAAC Subcommittee 2016, December 19-21, 2016  
Committee for establishment of Sports Science Department at University of Calcutta 2018  
Department of Sports Science, University of Calcutta, 2018

#### **Ph. D SUPERVISION:**

**Students awarded Ph.D**

1. Banibrata Das

Title of thesis: "Ergonomics Study on the Prevalence of Musculo Skeletal Disorders (MSD) among the Preadolescent Agricultural Workers (Potato Cultivators) of West Bengal".

Year of Doctoral Degree: 2007

2. Tamal Das

Title of Thesis: "Ergonomics and Occupational Health Studies of Workers engaged in Heavy Load Handling"

Year of Doctoral Degree: 2008

3. Goutam Ghoshal

Ergonomic study on Work Environment and Work Mode as Causative Factors for accident During Manual Material Handling

Year of Doctoral Degree: 2009

4. Suhana Ghosh

An Ergonomic Evaluation on Library Work-Station Design and Analysis of Work Stress on Library Staffs of Different Indian Academic Institutions

Year of Doctoral Degree: 2012

5. Tarannum Ara,

Title of Thesis: "An Ergonomic Study on Occupational Health Hazards of Indian Footwear Making Workers and its Management".

Year of Doctoral Degree: 2013

6. Samrat Dev,

Title of Thesis: "An Ergonomic Study on Occupational Health Problems of Indian Public Transport Workers and Suggestive Remedial Measures".

Year of Doctoral Degree: 2013

7. Tirthankar Ghosh:

Title of Thesis: Ergonomic Evaluation and Modification of Existing Work Organizations of Some Unorganized Sectors to Study the Improvement in Productivity, Health and Safety of those Post Modified Sectors.

Year of Doctoral Degree: 2014

8. Sabarni Chakrabarty

Title of Thesis: An Ergonomic Study On Occupational Health Problems Of Women Engaged In Chikan Embroidery In West Bengal & Its Probable Management

Year of Doctoral Degree: 2015

9. Krishnendu Sarkar

Title of Thesis: Ergonomics Study on Occupational Health Problems of Porters of Central Market Area in Calcutta and Probable Intervention Strategies for Improvement of Productivity.

Year of Doctoral Degree: 2017

10. Sourav Nandy

Title of Thesis: Assessment & Parametric Optimization of Noise Exposure on Workers', Working in Turbo Generators Units of Thermal Power Plants in West Bengal, India

Year of Doctoral Degree: 2018

11 Barsha Das Sharma

Title of Thesis: Studies on the Effects of Some Antioxidants in Carbon Tetrachloride (CCl<sub>4</sub>) Induced Hepatorenal Toxicity in Rats

Year of Doctoral Degree: 2019

12. Sugata Das

Title of Thesis: An integrated Occupational and Ergonomic Study on the Evaluation of Health Status of Female Construction Workers of West Bengal, India.

Year of Doctoral Degree: 2020

13. Piyali Mukherjee

Title of Thesis: Evaluation and Managements of Occupational Health and Safety Status of Part time Housemaids of Kolkata.

Year of Doctoral Degree: 2021

14. Titlee Majumdar

Title of Thesis: A study regarding search for novel predictors of aggression : amongst children of West Bengal.

Year of Doctoral Degree: 2021

15. Kasturi Bhattacharya Title of Thesis: The Prevalence of Work-related Musculoskeletal Disorders among Indian Orthodontists-An Ergonomic study.

Year of Doctoral Degree: 2021

16. Tathagata Bhattacharya, Title of Thesis: Oral cancer awareness, attitude towards oral cancer screening, related habits, and habit related oral lesions – a study among people of West Bengal with different occupation and socioeconomic background.

Year of Doctoral Degree: 2022

17. Debojyoti Bhattacharya Title of Thesis: Effect of high casein diet on amelioration of mobile phone radiation included physiological changes in male Swiss albino mice.

Year of Doctoral Degree: 2022

### **Thesis Submitted**

18. Shreya Sinha, Title of Thesis: A Study To Identify The Impact Of Physiological And Psychosocial Along With Biomechanical Conditions On Individuals With Knee Osteoarthritis, Engaged In Different Occupations In West Bengal. Thesis Submitted: 2021

19. Bijan Kumar Saha Title of Thesis: A Study on body composition, growth and fitness status of school children receiving mid day meals in a municipal area in West Bengal Thesis Submitted: 2022

20. Tanaya Santra Title of Thesis : A Study On Relationship Between Anthropometric Variables And Indicators Of Lung Function In Adult Bengalee Human Resources Engaged In Select Occupations. Thesis Submitted: 2022

### **Number of students presently working in Ph.D Program: Eight**

( Manoj Nath; Arunabha Bandyopadhyaya , Avik Ghosh, Sayantika Das, Upasana Chowdhury, Subhankar Banerjee, Ankan Mitra)

### **M D SUPERVISION:**

21. Sufia Mahmood Title of Thesis: Assessment of the efficacy of Lekhana Basti and Trayushnadi Guggulu in the management of Sthoulya (Obesity) Year of Doctoral Degree: 2022

### **VISITING PROFESSOR and VISITING FACULTY**

a. The Jiangxi Chinese Medical University, Nanchang China. (From 1<sup>st</sup> March to 15<sup>th</sup> July, 2007 and 30<sup>th</sup> January to 15<sup>th</sup> July 2009)

b. D. J. Academy of Design (DJAD) Coimbatore, India

c. University of Kalyani, Nadia, West Bengal. India

d. Indian School of Design & Innovation, Mumbai

e. National Institute of Design, Vijayawada

f. Indian Institute of Social Welfare and Business Management

g. Mednipur College (Autonomous) Mednipur

h. National Institute of Design, Bangalore

i. National Institute of Fashion Technology, Kolkata

j. Nirma University, Ahmedabad

k. MIT Design, UX Design, MIT University, Pune

l. UID Design, Ahmedabad

m. National Institute of Design, Assam

n. National Institute of Design. Ahmedabad

o. State Labour Institute, West Bengal

p. Technical Institute- Safety, Ashutosh College

**MEMBER OF THE BOARD OF STUDY (OTHER THAN CALCUTTA UNIVERSITY)**

- a. Department of Physiology, University of Kalyani
- b. Department of Silpa-Sadana (PSV), Visva-Bharati, Sriniketan
- c. Department of Physiology, University of Burdwan
- d. Department of Physiology, Sreerampur College, Sreerampur
- e. West Bengal State University, Barasat, West Bengal
- f. Murshidabad University, Baharampur
- g. Swami Vivekananda University

**JOURNAL CONSULTANT EDITOR**

International Journal of Occupational Safety and Health (IJOSH)

**JOURNAL EDITOR in CHIEF**

International Journal of Design and Allied Sciences (IJDas)

**JOURNAL ASSOCIATE EDITOR**

BMC Musculoskeletal Disorders

**JOURNAL GUEST EDITOR**

1. Work. 2012; volume 43 special issue on Humanizing Work and Work Environment: A challenge for developing countries.
2. International Journal of Occupational Safety and Health, volume 2 special issue on Occupational Ergonomics.

**JOURNAL REVIEWER**

1. International Journal of Injury Prevention.
2. Theoretical Issues in Ergonomics Science
3. Journal: Sports Medicine, Arthroscopy, Rehabilitation, Therapy & Technology
4. Al Ameen Journal of Medical Sciences
5. Archives of Environmental and Occupational Health
6. Japanese Journal of Human Ergology
7. Indian Journal of Physiology and Allied Sciences
8. Safety and Health at Work
9. Applied Ergonomics

**MEMBER OF INTERNATIONAL EDITORIAL AND ADVISORY BOARD**

1. Journal of Environmental Physiology
2. BLDE University Journal of Health Sciences
3. Frontiers in Public Health

**TRANSLATOR (English to Bengali and Hindi)**

Acting as a **translator** in CIEHF new guidance ‘**Vaccinating a Nation: Ten human factors and ergonomics principles**’, which aims to support the safe roll-out of COVID-19 vaccinations programs in 2021. (<https://covid19.ergonomics.org.uk/>)

#### **ORGANISING SECRETARY**

- a) International Ergonomics Conference HWWE 2009 held in Calcutta at University of Calcutta from 17-19 December 2009.
- b) One Day Symposium on Occupational Health held in Calcutta at University of Calcutta on 9<sup>th</sup> July 2011.
- c) International Conference on Molecules to Systems Physiology: 100 years Journey held in Calcutta at University of Calcutta from 21-23 September 2011.
- d) Workshop on Occupational Ergonomics in Rural Engineering Industries held in Calcutta at University of Calcutta on 24<sup>th</sup> March 2012.
- e) Closing Ceremony of Centenary Celebration of Post graduate teaching in Physiology at University of Calcutta: ICMSP: 100 held in Calcutta at University of Calcutta on 28<sup>th</sup> August 2015.
- f) XXVIIth Annual Conference of The Physiological Society of India (PSI) and the Vth Congress of the Federation of Indian Physiological Societies (FIPS): FIPSPHYSICON-2015 held in Calcutta at University of Calcutta from 18<sup>th</sup> -20<sup>th</sup> December 2015.

#### **ORGANIZING PRESIDENT**

One Day Workshop on Ergonomics in Industries, at University of Calcutta on February 23, 2019

#### **ORGANIZING VIRTUAL SEMINAR, SYMPOSIUM AND SPECIAL LECTURE**

1. Online Seminar on “Occupational health and safety during COVID 19 pandemic “ held on 28<sup>th</sup> April 2020 at TeamLink
2. Special Lecture on Cognitive Ergonomics in Design delivered by Dr. Naveen Kumar, UID held on 4<sup>th</sup> May 2020 at TeamLink
3. Virtual Symposium on “Occupational Ergonomics and Safety : from Workplace to Home: Prevention in COVID 19 Pandemic” held on 23<sup>rd</sup> May 2020 at TeamLink
4. Special Lecture on Facets of Ergonomics in User Experience Design delivered by Dr. Wricha Mishra, MIT ID, Pune held on 28<sup>th</sup> June 2020 at Google Meet.
5. Special Lecture on Scope of Ergonomics in Future Job World delivered by Mr. Sourav Chongdar, Senior Ergonomist, Synergo Consulting PTE LTD, Singapore, held on 5<sup>th</sup> July 2020 at Google Meet.
6. Special Lecture on Effect of Yoga in Sports Performance during COVID 19 by Dr. Indranil Manna, Assistant Professor, Midnapore College, Midnapore, held on 21<sup>st</sup> August 2020 at Stream Yard and YouTube.
7. Special Lecture on Application of Biomechanics in Sports Performance – a COVID 19 perspective by Prof. Asis Goswami, Chairholder, UNESCO Chair in ‘Inclusive Adapted Physical Education and Yoga’, Professor, Department of Sports Science and Yoga Ramakrishna Mission Vivekananda Educational and Research Institute (Deemed to be University), held on 13<sup>th</sup> September 2020 at Stream Yard and YouTube.

**8.** Special Lecture on Exercise Program and Nutritional supplement to prevent COVID - 19 and other viral infections in coming days “by Dr. Anup Adhikari, Exercise Physiologist, Criterion level 4 Anthropometrist (ISAK), Personal Training Specialist ( Canadian Fitness Professionals) , Nutrition and Wellness Specialist ( Canadian Fitness Professionals) First Aid Instructor ( Canadian Red Cross), Assistant Professor, Midnapore College, Midnapore, held on 20<sup>th</sup> September 2020 at Stream Yard and YouTube.

**9.** Virtual Conference of 9<sup>th</sup> ASSP India Chapter Professional Development Conference Organized by ICOH Scientific Committees and University of Calcutta, 28,29 April 2021

**WORKSHOPS/CONFERENCES/ WEBINAR ATTENDED (2001-2022)**

<b>DATE / DURATION</b>	<b>DETAILS</b>
2001	University of California, San Francisco
November 2002	Invited Speaker and Chair Person at Ergonomics Session, 17 <sup>th</sup> Asian Conference on Occupational Health <b>Taipei, Taiwan</b> , November 2002
June 2004	Invited Speaker at 7 <sup>th</sup> World Conference on Injury Prevention and Safety Promotion, <b>Vienna, Austria</b> 2004.
31 March – 1 April 2006	Invited Speaker at 8 <sup>th</sup> World Conference on Injury Prevention and Safety Promotion, <b>Durban, South Africa</b> 2006.
July 2006	IEA 2006: 16 <sup>th</sup> World Congress on Ergonomics, <b>Maastricht the Netherlands</b> 2006.



September 27-30; 2010	Invited Speaker and Chair Person at 14 <sup>th</sup> Commonwealth International Sports Science Congress held in Delhi from 27-30 September 2010
July 1-3; 2010	Invited Speaker and Chair Person at APCHI ERGOFUTURE, July <b>2010,Bali, Indonesia</b>
April 4-6: 2011	Invited Speaker and Chair Person at ODAM <b>2011,Grahamstown, South Africa</b>
September 21-23; 2011	International Conference on Molecules to Systems Physiology: 100 Years Journey, ICMSP 100, Kolkata, September 21-23, 2011
July 9-12;2012	Invited Speaker and Chair Person at Southeast Asian Network of Ergonomics Societies Conference (SEANES), <b>2012,Langkawi, Malaysia</b>
December 6 – 8;2012	Invited Speaker and Chair Person at International Conference on Ergonomics and Human Factors (HWWE 2012), Pantnagar, Uttarakhand, 6 – 8 December 2012
April 29; 2013	Distinguished Speaker Award lecture at National Institute of Miners' Health, Nagpur on Occupational Safety and Health day, April 2013
May 4; 2013	Invited lecture as Distinguished Speaker at Asansol Engineering College in the symposium on Robotics to Ergonomics, May 4 2013
May 14; 2013	Invited lecture as Resource person at Faculty Development Program at North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, May 14 2013

July 7 – 11; 2013	Organized Symposium as Chair Person, entitled Design and Evaluation of Interventions to prevent MSDs at PREMUS 2013, 7 <sup>th</sup> to 11 <sup>th</sup> July <b>2013, Busan, Korea</b>
Dec 4-6 ; 2013	Invited Lecture and Chair Person at HWWE 2013 at Vidyasagar University. Dec 4-6 2013
Dec 9-11; 2013	Plenary Lecture and Chair Person at 25 <sup>th</sup> Annual Conference of PSI at Kamineni Institute of Medical Sciences. Dec 9-11,2013
Dec 27-29; 2013	Prof. S. Subhramanian Oration Award 2013 Lecturer and Chair Person at 34 <sup>th</sup> Annual Conference of IABMS at <b>Madras</b> University. Dec 27-29 2013
February 3-7; 2014	Invited Speaker and Chair Person at 100 <sup>th</sup> Indian Science Congress, <b>Kolkata</b> , February 3-7 2014
November 28-30, 2014	Distinguished Faculty at National Institute of Miners' Health, <b>Nagpur</b> in Applied Ergonomics Workshop ,November 28-30,2014
December 3-5;2014	Invited Lead Speaker and Chair Person at 12 <sup>th</sup> HWWE, <b>Guwahati</b> , December 3-5;2014
December 5-7;2014	Invited Speaker and Chair Person at 4 <sup>th</sup> SAAP, <b>Dhaka,Bangladesh</b> , December 5-7;2014
December 19-21 2014	Invited Distinguished Speaker and Chair Person at 26 <sup>th</sup> PHYSICON, <b>Berhampur</b> , December 19-21 2014
May 31- June 5 2015	<b>Invited Special Session Chair and Lecture</b> at 31 <sup>st</sup> International Congress on Occupational Health 2015 at <b>Seoul, South Korea</b> May 31-June 5 2015

October 26 and 27 2015	<b>Key note Address:</b> Application of Ergonomic Interventions in Informal Sectors of West Bengal, de la conférence International sur : Les Application de l'Ergonomie dans les Pays en voie de Développement, réalités et perspectives at Algiers, Algeria October 26 and 27
November 19-20 2015	<b>Invited Resource Person and Panelist:</b> International workshop Basics of environmental and occupational safety and health science and practice Organized: International social security association, Harvard school of public health, ollegeum Ramazzini and Dhaka community hospital trust 19-20 November 2015 Venue: Dhaka community hospital auditorium, <b>Dhaka</b>
April 28-29 2016	<b>Key note Address:</b> Application of Ergonomics in Re-Rolling mills of West Bengal for the Improvement of Safety and Health at 4 <sup>th</sup> ASSE India Chapter Professional Development Conference 2016, <b>Kolkata</b>
May 23- 25 2016	<b>Invited Talk as Resource Person</b> in the section of Ergonomics at the Workshop on Principles of Modern Safety in Mines organized by Indian School of Mines Alumni Association, Kolkata Chapter, <b>Kolkata</b> 2016
May 31 2016	<b>Invited</b> to discuss on The Reform of IUPS with Prof. Denis Noble, President IUPS at the Balliol College, Oxford University, <b>Oxford, United Kingdom</b> 2016
June 1 2016	<b>Invited Talk</b> as Guest Speaker in the School of Design at the University of <b>Loughborough, United Kingdom</b> 2016
November 9-12, 2016	<b>Invited lecture</b> : Fifth South Asian Association of Physiologists (SAAP V) Conference at Kathmandu University, <b>Nepal</b>

November 18-20, 2016	<b>Plenary Lecture</b> : Twenty eighth National Conference of Physiological Society of India(PHYSIOCON 2016), <b>Midnapore</b>
December 20-23, 2016	<b>Key note Address:</b> International Conference on Management of Ergonomic Design, Industrial Safety and Healthcare Systems (MESH 2016) Indian Institute of Technology, Kharagpur.
December 20-23, 2016	<b>Chairperson:</b> Session of Ergonomic Design at International Conference on Management of Ergonomic Design, Industrial Safety and Healthcare Systems (MESH 2016) Indian Institute of Technology, Kharagpur.
January 17 – 20 , 2017	<b>Invited Resource Person</b> in the Workshop on Ergonomics for the Design and Production Engineers of Garden Reach Shipbuilders & Engineers Ltd, (GRSE), Kolkata. Organised by NID, Ahmadabad and Garden Reach Shipbuilders & Engineers Ltd, (GRSE), Kolkata at GRSE,FOJ unit, Kolkata
May 31,2017	<b>Invited Lecture</b> at the Chartered Institute of Ergonomics and Human Factor (London Ergonomics Group), London, UK
June 1, 2017	<b>Invited Lecture</b> at the Institute of Naval Medicine, Fareham, UK
August 23, 2017	<b>Invited Lecture</b> at Sapurji Industry, Kolkata
October 13, 2017	<b>Invited Lecture</b> at Indian Oil Corporation Ltd, Mathura
October 27, 2017	<b>Invited Lecture</b> at Indian Institute of Industrial Engineering, Kolkata

January 06, 2018	<b>Panel Speaker</b> at Symposium on Addressing Occupational Health Hazards of Musculoskeletal System and the Preventive Measures organized by <b>Indian Association of Occupational Health (West Bengal)</b>
February 02, 2018	<b>Address as Session Chair</b> at Industrial Safety and Surveillance Conclave, organized by <b>Indian Chamber of Commerce, Kolkata</b>
April 29-May 04, 2018	<b>Address as Session Chair, Speaker and Expert in Panel Discussion</b> at 32 <sup>nd</sup> International Congress on Occupational Health (ICOH 2018) at <b>Dublin, Ireland.</b>
February 23,2019	<b>Invited Talk as Resource Person in the Workshop entitled Ergonomics in Industries,</b> Organized by ICOH SCOHSSEIS, IAOH and University of Calcutta
April 27 and 28,2019	<b>Plenary Lecture</b> at 7 <sup>th</sup> ASSP India Chapter Professional Development Conference Organized by ICOH and IIT Madras
June 8, 2019	<b>Invited Talk as Resource Person in the Environment day Celebration, , entitled Interactive Environment,</b> Organized by <b>Indian Science Congress Association</b> and Victoria College, Calcutta
15 <sup>th</sup> June 2019	<b>Invited Talk as Resource Person in the Management Training at Berger Paints, Howrah</b>
23 – 26 October 2019	<b>Plenary Lecture</b> at I International & X Occupational Health and Safety Congress at Adana, Turkey ,2Irganized by UCTEA Chamber of Mechanical Engineers Adana Branch,Turkey, from 23 – 26 October 2019 at Çukurova University in Adana,Turkey.

15 <sup>th</sup> -17 <sup>th</sup> November 2019.	<b>Plenary Lecture</b> at XXXIst Annual Conference of the Physiological Society of India (PHYSICON-2019) 22rganized by the Department of Physiology, Bankura Christian College, Bankura, West Bengal, India during 15 <sup>th</sup> -17 <sup>th</sup> November 2019.
18 November 2019	<b>Faculty member</b> and interact with the participants on Ergonomics at Safety Management Course on 23 November 2019 at Jadavpur University Main Campus. Organized by CII in association with Jadavpur University during 18-23 November 2019
January 28 <sup>th</sup> to 30 <sup>th</sup> , 2020	<b>Keynote Plenary Lecture</b> at (OCCUCON-2020) International conclave on occupational health – 2020 organized by the ICOH and IAOH, India, during 28 <sup>th</sup> -30 <sup>th</sup> January 2020.
Wednesday, May 27, 2020 2:30 pm India Time (Mumbai, GMT+05:30)	<b>Invited Lecture as Faculty</b> and interact with the participants on Ergonomics atVirtual Workshop Series on Occupational Health & Safety: Session on Ergonomics Organized by <b>Confederation of Indian Industry (CII)</b> ,
27 <sup>th</sup> June 2020 09.00 am IST to 4.30 pm IST	<b>Plenary Lecture as Resource Person and Chairman of a session</b> at the Virtual Conference of 8 <sup>th</sup> ASSP India Chapter Professional Development Conference Organized by ICOH Scientific Committees and NITIE Mumbai

10 <sup>th</sup> July 2020 at 1:45 pm	<b>Invited Lecture as Faculty</b> in Physiological Well-Being During the COVID19 Pandemic, One Day State Level Webinar Organized by Department of Physiology Krishnagar Government College on 10 <sup>th</sup> July 2020 at 1:45 pm
26 <sup>th</sup> July 2020 at 6 pm	<b>Invited Lecture as Faculty</b> in “COVID-19: Issues of its Spread and impact on Human Society” one day International webinar. Organized by Indian Medical Association (IMA), Katwa Branch, in collaboration with Bigyan Chetona, Katwa, Purba Bardhaman,
7 <sup>th</sup> August 2020 at 10am	<b>Facilitator</b> for the Online Certificate course in Workplace Ergonomics on 7 <sup>th</sup> – 9 <sup>th</sup> August 2020, organized by Sri Sri University, Cuttack
7 <sup>th</sup> August 2020 at 3pm	<b>Invited Lecture</b> in UNESCO/UNITWIN Network Web Seminar 2020, August 6 & 7 2020
12 August 2020 at 7PM	<b>Distinguished SPEAKER</b> in Webinar of Women’s Polytechnic, Govt. of Tripura, 12 August 2020 at 7PM
1 <sup>st</sup> September, 2020 at 3 pm	<b>Lead Lecture</b> in International Webinar on “Ergonomics and new normal phase.” Organized by Department of Physiology, Sabang Sajankanta Mahavidyalaya on 1 <sup>st</sup> September, 2020 at 3 pm
5 <sup>th</sup> September 2020 at 3.30 pm (India time).	<b>Speaker and Panelist</b> in Working from Home – The Ergonomic Issues and considerations Organized by CIEHF, U.K and ISE, India on 5 <sup>th</sup> September 2020 at 3.30 pm (India time).

15 <sup>th</sup> September 2020 at 4.30pm	<b>Distinguished SPEAKER</b> in the State Level Webinar on Ergonomics and Health :Working from Home under COVID 19. Organized by Physiology Department and IQAC, Rammohan College, Kolkata on 15 <sup>th</sup> September 2020 at 4.30 pm .
25 <sup>th</sup> September, 2020 at 3.20PM	<b>Invited Speaker</b> in the Three Day National Webinar on COVID 19: Fighting Together and Moving Forward from 25-27 <sup>th</sup> September, 2020; Organized by Department of Physiology, Berhampore Girls' College, Berhampore, Murshidabad in association with The Physiological Society of India, Kolkata
October 14 2020 at 5.30 pm.	<b>Invited Speaker in the</b> IIIE Kolkata Chapter organized the 1 <sup>st</sup> Technical Webinar # 2020/1 on October 14 2020 during 5.30-7.30 pm. Lecture topic : Ergonomics and Safety during New Normal
December 10, 2020 during 4.00-5.30 pm	<b>Lead Speaker in the</b> HWWE 2020 Conference. Webinar Organized byTheem College of Engineering, Boisar, India at Google meet on December 11, 2020 during 4.00-5.30 pm. Lecture topic : Humanizing work in Indian SMEs during New Normal situation.
December 11 <sup>th</sup> 2020 at 9pm	<b>Panelist</b> in the ICOH SC Committee in the Construction Industry – Mini Symposium (virtual) on 11 <sup>th</sup> December 2020 at 9pm in Microsoft Team
December 16 <sup>th</sup> 2020 from 11.20 am	<b>Invited Speaker</b> in the Webinar organized by Banwarilal Bhalotia College, Asansol at Google meet on December 16, 2020 from 11.20 AM. Lecture topic: Human in Design.
February27 2021	<b>Invited Speaker</b> in the Webinar organized by Department of Physiology and IQAC, Harimohan Ghosh College, Kolkata at Google meet on February27 2021 from 5.30 PM. Lecture topic: Occupational Stress and Psychological distress developed in Work From Home in COVID Pandemic.



February 28 2021	<b>Invited Speaker</b> in the Webinar organized by Rabindrik Psychotherapy Research Institute Trust, Kolkata at Zoom on February 28 2021 from 10 AM. Lecture topic: Ergonomics in Design
April 19-21 2021	<b>Invited Presenter</b> in the online conference Ergonomics and Human Factors 2021 (EHF 2021). From 19 -21, 2021. Lecture topic: Occupational Health Survey among Indian Postal Workers during COVID 19 Pandemic . Recorded lecture incorporated on 19.4.2021
April 28-29, 2021	<b>Invited Theme Lecture</b> in the online conference 9 <sup>th</sup> ASSP India Chapter Professional Development Conference. From April 28-29, 2021. Lecture topic: Social Well-Being in Covid Situation. Presented on 29.4.2021.
August 12 2021	<b>Invited Speaker</b> in the Webinar organized by Swami Vivekananda University, Barrackpore, West Bengal at Google Meet on August 12 2021 from 12:00 noon to 2:00 pm. Lecture topic: Ergonomics in Industry.
August 22 2021	<b>Invited Speaker</b> in the Webinar on “Safety, Ergonomics and Well-being at Work” Organized by Indian Association for Productivity, Quality and Reliability in Collaboration with American Society for Safety Professionals – India Chapter at Google Meet on August 22 2021 from 4:00 pm to 6:30 pm. Lecture topic: Introduction to Ergonomics for Employees’ well being.
August 29 2021	<b>Distinguished Speaker</b> in the National Webinar organized by Department of Sports Science, Punjabi University, Patiala at Google Meet on August 29 2021 from 11:30 am to 1:30 pm. Lecture topic: Sports Ergonomics.
September 15 2021	<b>Invited Talk as Resource Person</b> in the UGC Academic Staff College, Jadavpur University. Online talk on Ergonomics in Class room design on September 15 2021 at 2pm

October 23 2021	<b>Key note Speaker in the online</b> “SYMPOSIUM EFFECTS OF THE PANDEMIC PROCESS ON OCCUPATIONAL HEALTH AND SAFETY ON THE WAY TO OHS CONGRESS” 22 <sup>nd</sup> and 23 <sup>rd</sup> October 2021. Title of the delivered talk is Effects of pandemic – an Indian perspective. Delivered on 23 <sup>rd</sup> October 2021 at 3pm Turkey time. Organised by TMMOB MAKİNA MÜHENDİSLERİ ODASI ADANA ŞUBESİ UNION OF CHAMBERS OF TURKISH ENGINEERS AND ARCHITECTS CHAMBER OF MECHANICAL ENGINEERS, Adana, Turkey
November 29 and 30 2021	<b>Invited Talk as Resource Person</b> in the UGC Academic Staff College, Calcutta University. Online talk on Ergonomics in Class room design on September 15 2021at 2.30pm
December 2 2021	<b>Invited Talk as Resource Person</b> in the UGC Academic Staff College, Jadavpur University. Online talk on Ergonomics in Class room design on September 15 2021at 2pm
December 2 2021	<b>Plenary Lecture at 19th International Conference on Humanizing Work and Work Environment (HWWE2021)</b> Organized by the Department of IIT Guwahati, during 1 <sup>st</sup> -3 <sup>rd</sup> December 2021 (online). Lecture topic : Impact of COVID-19 on Indian informal sectors and informal economies. Delivered on line on 2 <sup>nd</sup> December 2021
December 2 2021	<b>Chair the Plenary Session at 19th International Conference on Humanizing Work and Work Environment (HWWE2021)</b> Organized by the Department of IIT Guwahati, during 1 <sup>st</sup> -3 <sup>rd</sup> December 2021 (online).

December 18, 2021	<p><b>Distinguished Speaker</b> in the Annual Scientific Seminar and Prize distribution Program at the Department of Physiology, Serampore College on 18 December, 2021 (Saturday) at 11a.m Lecture topic: Design Ergonomics in COVID 19 pandemic.</p>
January 5, 2022	<p><b>Invited Talk as Resource Person</b> in the UGC Academic Staff Colege, University of Calcutta. Online talk on Ergonomics in Class room design on January 5, 2022 at 12noon.</p>
February 6 to 10, 2022	<p><b>Chair and Speaker</b> of the Special Session 5 Development of Basic Occupational Health Services, more needed than ever of International Congress on Occupational Health 2022. Organized by International Commission on Occupational Health. 6 to 10 February 2022. Melbourne-Rome Global Digital Congress.</p>
February 28, 2022	<p><b>Invited Speaker</b> in the Technical Session on the celebration of <b>Science Day</b> on 28th February, 2022 at 2-30 PM at IndianScience Congress Association Headquarters. Topic of Lecture : Cognitive ergonomics in product design : an integrated approach in science and technology.</p>
May 18, 2022	<p>Invited as a <b>Resource Person</b> for the SPARC-Sponsored Training Course on 'Human Factors Engineering in Healthcare Systems' during May 16 - 20, 2022 at IIT Kharagpur, India</p>

June 08, 2022	Invited as a <b>Speaker</b> for Extension Lecture organized by Department of Human Physiology, Vidyasagar University Medinipur WEST BENGAL NDIA on June 08, 2022 at 1.00 PM in the department as a part of Students' Development Program.
July 02 2022	<b>Invited Talk as Resource Person</b> in the UGC Academic Staff College, Jadavpur University. Online talk on Ergonomics in Class room on July 02 2022 at 10.30 am
September 23 2022	<b>Invited Talk as Resource Person</b> in the <b>Webinar</b> organized by the Chartered Institute of Ergonomics and Human Factors (CIEHF) on Effects of the Pandemic on the Indian Informal Economy on September 23 2022 at 4.30 pm (India time).
November 12 2022	<b>Invited Talk as Resource Person</b> in the <b>Webinar</b> organized by UGC Academic Staff College, University of Calcutta. Online talk on Ergonomics on November 12, 2022 at 10.30 am
November 25 2022	<b>Invited Faculty member</b> and interact with the participants on Ergonomics at Safety Management Course on 25 November 2022 at Jadavpur University Main Campus. Organized by CII in association with Jadavpur University during 21-26 November 2022

December 05 2022	<b>Invited Talk as Resource Person</b> in the UGC Academic Staff College, Jadavpur University. Online talk on Ergonomics in Class room on December 05 2022 at 10.30 am
January 11 and 12 2023	<b>Invited as Distinguished Session Judge in the Physiology discipline</b> for the 5 <sup>th</sup> Regional Science and Technology Congress, 2022 held at the University of Gour Banga, Malda, West Bengal on the 11 <sup>th</sup> and 12 <sup>th</sup> of January 2023

***Publications (Total 296 till 2022)***

***Selected Publications:***

***Peer reviewed paper (international journals)[2003-2022; 85]***

1. Tathagata Bhattacharjee, **Somnath Gangopadhyay**.  
Cancer causing chewing habits and related oral lesions –A comparative study among females of socio culturally different areas of West Bengal.  
Journal of Oral and Maxillofacial Pathology Volume 26 , Issue 4, October-December 2022, 599-604.
2. Manoj Nath and **Somnath Gangopadhyay**.  
BMI, MUAC, Skin Fold and Body Fat % of Bangalee and Tribal Boys of Agartala, Tripura, - An Anthropometric Approach. *International Journal of Food and Nutritional Sciences*, 2022, 11(8).
3. Manoj Nath and **Somnath Gangopadhyay**  
Anthropometric Assessment of Malnutrition among Adolescent Tribal (Tripuri) and Bengalee Boys in Agartala, Tripura.  
*International Journal of Food and Nutritional Sciences (IJFANS)*, Vol.11, Issue 7, 2022 e-ISSN 2320 –7876 [www.ijfans.org](http://www.ijfans.org), 981-991.
4. Upasana Chowdhury , Tamal Das , Sahana Mazumder , **Somnath Gangopadhyay**

Work-Related Musculoskeletal Disorders and Mental Health among Nursing Personnel in the Context of COVID-19 Pandemic  
International Journal of Occupational Safety and Health 2022-2023 (accepted)

5. Debleena Ghosh, Sayantika Das, Upasana Chowdhury, Subhankar Banerjee and **Somnath Gangopadhyay**  
Composite Effects of Performance Related Anxiety and Mental Fatigue in Performance Trend of Air Rifle Shooters  
Volume 7, Issue 10, October – 2022 International Journal of Innovative Science and Research Technology, 285-291, ISSN No:-2456-2165, IJISRT22OCT309 www.ijisrt.com 285

6. **Somnath Gangopadhyay** (2022) Occupational ergonomics: A special domain for the benefit of workers' health. (Editorial). Indian Journal of Occupational and Environmental Medicine.;2022, 26:135-139.

7. S. Banerjee, S.Dey and **Somnath Gangopadhyay** (2022) Evaluation of System Usability Scale as A Marker of Non-Human Computer Interface's Usability: A Sanitizer Container-Based Study. J Ergon Adv Res 2(1): 101(Accepted on 6th July, 2022)

8. Sayantika Das and **Somnath Gangopadhyay**: Effect of Work Environment Noise on Productivity, Mental Fatigue and Blood Pressure among Indian Postal Assistants. International Journal of Innovative Research In Technology June 2022 Volume 9(1), 288-292, ISSN: 2349-6002

9. A. K. Biswas, T. Bhattacharya, K. Mukherjee, **Somnath Gangopadhyay**  
Clinical survey about knowledge and safety awareness of light cure device users. International Journal of Scientific Research. May-2022/Vol-11/Issue-05/Print ISSN No. 2277-8179/DOI:10.36106/ijsr

10. Banibrata Das, **Somnath Gangopadhyay** and Tirthankar Ghosh  
The effects of using an ergonomic aid on the physical workload and body discomfort reported by pre-adolescent farmers in West Bengal  
Work 2021 Oct 12. doi: 10.3233/WOR-213593.(Online ahead of print).

11. Souti Das and **Somnath Gangopadhyay**  
A Comparative Study on Responses between Indian Educators and Students Attributed to E-learning  
International Journal of Research in Engineering, Science and Management  
VOL. 4 NO. 10 (2021) 172-181, Published on 3.11.2021

12. S Banerjee, **Somnath Gangopadhyay**  
Assessment of visual and mental fatigue of young smartphone users of Kolkata.  
BLDE Univ J Health Sci 2021;6:65-69.

13. P Mukherjee, AS Roy, A Bandyopadhyay, **S. Gangopadhyay**

A detailed study on morphological profile, hand grip strength, flexibility, and working postures in housemaids of Kolkata. BLDE Univ J Health Sci 2020;5:200-208.

14. Shreya Sinha and **Somnath Gangopadhyay**

Prevalence Study of Knee Osteoarthritis in an urban population of West Bengal  
International Journal of Scientific Development and Research (IJS DR) October 2020; 5  
(10): 295-298

15. Piyali Mukherjee, Anindita Singha Roy, Amit Bandyopadhyay ,

**Somnath Gangopadhyay**

Assessment of Work Related Musculoskeletal Disorders among House Maids of Kolkata, India. International Journal of Clinical and Experimental Physiology 2020; 7(2):81-86

16. Kasturi Mukherjee, Debarshi Jana and **Somnath Gangopadhyay**

The Prevalence of Work-Related Musculoskeletal Disorders Among Indian Orthodontists-An Ergonomic Study

International Journal of Scientific Research Volume-9, Issue-3, March-2020 | PRINT  
ISSN No. 2277 - 8179 | DOI : 10.36106/ijsr,

17. Anandi Bagchi , Sugata Das , **Somnath Gangopadhyay** and Subrata Ghosh

Alleviation of Occupational Risk Factors of The Underground Coal Mine Workers of Raniganj, West Bengal: An Interventional Study

International Journal of Medicine and Pharmaceutical Sciences (IJMPS) journal, 2020  
[Accepted] ( ISSN (Print): 2250-0049; ISSN (Online): 2321-0095; Impact Factor (JCC):  
7.8387; NAAS Rating: 4.14; IBI Factor: 3.2; ICV 2015: 64.4

<http://jml.indexcopernicus.com/search/details/45135>) Vol. 10, Issue 3, Jun 2020, 1–8

18. **Somnath Gangopadhyay**

Editorial: Effects of Interactive Environment on Occupational Health and Safety  
International Journal of Occupational Safety and Health, Vol. 9 No. 1 (2019), 1-2

19. Barsha Dassarma, Saptadip Samanta, Dilip K Nandi, **Somnath Gangopadhyay**

Protective effects of some Generally Recognized As Safe (GRAS) grade food preservatives against experimentally induced renal dysfunction

Journal of Drug Delivery & Therapeutics. 2019; 9(3-s):412-419

20 . Piyali Mukherjee, Anindita Singha Roy, Amit Bandyopadhyay,

**Somnath Gangopadhyay,**

Occupational stress among female house maids of Kolkata, India.

Journal of Human Ergology. Vol.48 No.1, 1-7, 2019.

21. Banibrata Das and **Somnath Gangopadhyay**

Occupational agricultural injuries among the preadolescent workers of West Bengal, India.

International Journal of Adolescent Medicine and Health, 2018 0(0), pp. -.  
doi:10.1515/ijamh-2018-0178

22. Subrata Ghosh , Titlee Majumder , Gopi Krishna Mondal , Anandi Bagchi , Sudip Sundar Das and **Somnath Gangopadhyay**

Perceiving Propensity For Aggression Analyzing Facial Anthropometry, Fwahr & Lung Function Parameters Amongst Children Of Athletic And Nonathletic Types In West Bengal

World Journal of Pharmaceutical Research 2018, Volume 7, Issue 12,  
ISSN 2277– 7105

23. Subrata Ghosh, Titlee Majumder, Anandi Bagchi and **Somnath Gangopadhyay** Aggression Traits among Adult Male Laborers of Organized Sector and Unorganized Sector in West Bengal

European Journal of Biomedical and Pharmaceutical sciences,2018,5 (4), 661-666

24. **Somnath Gangopadhyay**, Krishnendu Sarkar Sourav Chongdar

Rolling mills of West Bengal, India: Present scenario and scope for improvement.

Ergonomics SA, 2017, 29 (2) , 14-26. ISSN Number : 1010-2728

25. Barsha Dassarmaa , Dilip K. Nandi , **Somnath Gangopadhyay** , Saptadip Samanta, Hepatoprotective effect of food preservatives (butylated hydroxyanisole, butylated hydroxytoluene) on carbon tetrachloride-induced hepatotoxicity in rat.

Toxicology Reports 5 (2018) 31–37

26. Manoj Nath and **Somnath Gangopadhyay**.

Anthropometric Assessment of Nutritional Status of Adolescent Tripuri Boys of Agartala. *International Journal of Research and Analytical Reviews*, 2018, 5(3).

27. Bhattacharya D., **Gangopadhyay S.**, and Sikdar M. Effects of Electromagnetic Radiation Emitted from Mobile Phones on Different Physiological Systems and Possible Remedies. *Int J Cur Res Rev*, 2017, v. Dec; 24(9), 6-13. ISSN: 0975-5241.

28. Titlee Majumder , Anandi Bagchi, **Somnath Gangopadhyay** and Subrata Ghosh  
Finger digit ratio: predicting aggression amongst school children of biphasic growth in Eastern part of West Bengal.

IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 12, Issue 4 Ver. VIII (Jul – Aug 2017), PP 17-22

29. **Somnath Gangopadhyay**

A human factors perspective from India.

The Ergonomist.No.560, July- August,  
24-25, 2017.

30. Sugata Das , Anandi Bagchi , **Somnath Gangopadhyay** and Subrata Ghosh (2017)



Effect of Natural Resources on Reproductive Health and Oxidative Stress of Female Construction Workers, West Bengal, India.

International Journal of Advanced Research 5(7), 661-667

31. **Somnath Gangopadhyay**, Sayantika Das, Ishan Sarkar and Krishnendu Sarkar, Psychosocial Factors in the Development Of Musculoskeletal Disorders among Manual Material Handling Workers of Organised and Unorganized Sectors of West Bengal. *Journal of Human Ergology*. Vol. 46 No.1, 2017.

32. Saurav Nandi, Debamalya Banerjee, , **Somnath Gangopadhyay** and Titas Nandi Regression Analysis of Noise Parameters of Power Generators of Thermal Power Plants. *International Journal of Pollution and Noise Control*. Vol 3, No. 1, 1-13, 2017.

33. W. Mishra, A. De, R. Iqbal, V. Khanzode, **Somnath Gangopadhyay**, A.M. Chandra A study on Agony of Indian Percussionists. "Ergonomics in Caring for People – Proceedings of International Conference on Humanizing Work and Work Environment 2015, Springer Publication, June 2017

34. Subhadip Nandy, **Somnath Gangopadhyay** and Sandip Meghnad Hulke Musculoskeletal disorders among the gardeners: A cross sectional study *International Journal of Applied Research* 2017; 3(5): 440-443, 2017.

35. Sugata Das, Anandi Bagchi, **Somnath Gangopadhyay** and Subrata Ghosh Effect Of Pesticides On Reproductive Health And An Ergonomic Evaluation Amongst Female Agricultural Workers Of West Bengal, India. *International Journal on Innovative Research in Science, Engineering and Technology* Vol. 6, Issue, 4, pp 4-9 April 2017

36. Barsha Dassarma., Saptadip Samanta., Dilip K Nandi and **Somnath Gangopadhyay** Carbon Tetrachloride Induced Hepatorenal Failure in Male Albino Rats: A Dose Response Study. *International Journal of Recent Scientific Research*, Vol. 8, Issue, 3, pp. 15885-15892, March, 2017

37. Saurav Nandi, Debamalya Banerjee, , **Somnath Gangopadhyay** and Titas Nandi Conditional Analysis of 250MW Turbo Power Generators using PROMETHEE *Imperial Journal of Interdisciplinary Research (IJIR)* Vol. 3, Issue 4, pp 1681-1688, 2017

38. Sugata Das, Anandi Bagchi, **Somnath Gangopadhyay**, Subrata Ghosh Comparison of Lung Related Discomforts among Female Mud Molders and Brick Carriers of Brick Manufacturing Unit of West Bengal, India *International Journal of Health Sciences and Research (IJHSR)* 2016; 6(8) 135-141

39. S Chakrabarty, K Sarkar, S Dev, T Das, K Mitra, S Sahu and **Somnath Gangopadhyay**

Impact of rest breaks on musculoskeletal discomfort of Chikan embroiderers of West Bengal, India- a follow up field study,  
Journal of Occupational Health **2016**; 58(4) 365-372

40. Krishnendu Sarkar, Samrat Dev, Tamal Das and **Somnath Gangopadhyay**  
Examination of postures and frequency of musculoskeletal disorders among manual workers in Calcutta, India, International Journal of Occupational and Environmental Health, **2016**; 22 (2)151-158

41. Sugata Das, Anandi Bagchi , **Somnath Gangopadhyay** and Subrata Ghosh  
Work Related Health Disorders of Female Agricultural Workers Correlated with Sawing and Ploughing in Bengal: An Ergonomic Profile  
International Journal of Current Research and Academic Review **2016**; Vol.4 (5):16-24.  
doi: 10.20546/ijcrar

42. Krishnendu Sarkar, Samrat Dev, Tamal Das and **Somnath Gangopadhyay**.  
Prevalence of Musculoskeletal Disorder among the Manual Material Handling Workers of Central Market Area Kolkata, India  
International Journal of Current Research and Academic Review **2016**; Vol.4 (3):16-24.  
doi: <http://dx.doi.org/10.20546/ijcrar.2016.403.002>

43. S Lahiri, T Tempesti and **Somnath Gangopadhyay** “Is There An Economic Case For Training Intervention In The Manual Material Handling Sector Of Developing Countries?”  
Journal of Occupational and Environmental Medicine, **2016**; Vol58: 211-214.

44. Banibrata Das and **Somnath Gangopadhyay**  
Prevalence of Musculoskeletal Disorders and Physiological Stress Among Adult, Male Potato Cultivators of West Bengal, India  
Asia-Pacific Journal of Public Health, **2015**; Vol. 27(2) NP1669–NP1682.

45. **Somnath Gangopadhyay**, Sabarni Chakrabarty, Krishnendu Sarkar, Samrat Dev, Tamal Das, Sunetra Banerjee  
An Ergonomics Study on the evaluation of Carpal Tunnel Syndrome among Chikan Embroidery Workers of West Bengal, India  
International Journal of Occupational and Environmental Health, **2015**; Vol.21 (3); pp 199-206.

46. **Somnath Gangopadhyay**  
Application of Ergonomic Interventions in Informal Sectors of West Bengal.  
Journal Prevention & Ergonomics; **2015**; Vol:9(2), ISSN:1112-7546. EISSN:2676-2196  
pp 8-19

47. Tirthankar Ghosh, **Somnath Gangopadhyay** and Banibrata Das  
Prevalence of respiratory symptoms and disorders among rice mill workers in India  
Environmental Health and Preventive Medicine, **2014**; Vol. 19(3), 226-233.

48. Durlov S, Chakrabarty S, Chatterjee A, Das T, Dev S, **Gangopadhyay S**, Haldar P, Maity SG, Sarkar K, Sahu S. Prevalence of low back pain among handloom weavers in West Bengal, India. *International Journal of Occupational and Environmental Health*, **2014**; Vol.20 (4); pp 333-339.

49. **Gangopadhyay S**, Chakrabarty S, Sarkar K, Dev S, Das T. Evaluation of Low Back Pain among Chikan Embroidery Workers of West Bengal. *Journal of Industrial Engineering and Management Innovation*, **2014**; Vol. 1 (1), pp 2-12.

50. **Somnath Gangopadhyay** and Samrat Dev

Design and Evaluation of Ergonomic Interventions for the Prevention of Musculoskeletal Disorders in India

*Annals of Occupational and Environmental Medicine* **2014**, 26:18

doi: 10.1186/2052-4374-26-18

51. Banibrata Das , Tirthankar Ghosh and **Somnath Gangopadhyay**

Prevalence of Musculo Skeletal Disorders and Occupational Health Problems among Groundnut Farmers of West Bengal, India

*J. Human Ergology*, **2013**; Vol. 42: 1-12.

52. W. Mishra, A De, **Somnath Gangopadhyay**, AM Chandra

A Study of Musculoskeletal Discomforts and Associated Risks among Indian Percussion (Tabla) Players,

*Ergonomics SA*, **2013**; Vol. 25(2):2-11 [ISSN Number : 1010-2728]

53. W. Mishra, A De, **Somnath Gangopadhyay**, AM Chandra.

Playing-related musculoskeletal disorders among Indian tabla players.

*Med Probl Perform Art.* **2013**,28(2):107-111

54. B Das, T Ghosh, **Somnath Gangopadhyay**

Child Work in Agriculture in West Bengal, India: Assessment of Musculoskeletal Disorders and Occupational Health Problems.

*J Occup Health.* **2013** Jun 7. [Epub ahead of print]

55. **Somnath Gangopadhyay** and Samrat Dev

Environment and RTI .

The Newsletter of the *Road Traffic Injuries Research Network*

(RTIRN), **2012**;October –December pp 7-8

56. **Somnath Gangopadhyay**, Samrat Dev, Tamal Das, Goutam Ghoshal and Tarannum Ara

An Ergonomics Study on the Prevalence of Musculoskeletal Disorders Among Indian Bus Conductors

*International Journal of Occupational Safety and Ergonomics*, **2012**; Vol18(4) p 521-530

57. Banibrata Das, Tirthankar Ghosh and **Somnath Gangopadhyay**  
Assessment of Ergonomic and Occupational Health-Related Problems Among Female  
Prawn Seed Collectors of Sunderbans, West Bengal, India  
International Journal of Occupational Safety and Ergonomics, **2012**;Vol.18(4), p531-540

58. Samrat Dev and **Somnath Gangopadhyay**  
Upper Body Musculoskeletal Disorders among Professional Non-Government City Bus  
Drivers of Kolkata Network of Ergonomics Societies Conference (SEANES), **2012**  
Southeast Asian, IEEE Explore digital Library, pp1-5, 2012.  
Print ISBN: 978-1-4673-1732-0  
INSPEC Accession Number: 12997655  
Digital Object Identifier : [10.1109/SEANES.2012.6299556](https://doi.org/10.1109/SEANES.2012.6299556)  
Date of Current Version : 13 September 2012  
Issue Date : 9-12 July 2012  
Impact Factor 6.801

59. Somnath Gangopadhyay  
Humanizing Work and Work Environment: A challenge for developing countries.  
Work. **2012** ;43(4):399-401

60. Tirthankar Ghosh , **Somnath Gangopadhyay**  
Effect of an ergonomic intervention on muscle fatigue and respiratory stress of gold-  
smith's during blowing pipe activity in India.  
Work. **2012**;43(4):427-35.

61. Somnath Gangopadhyay  
Occupational Ergonomics in Industrially Developing Countries.  
Editorial, Special Issue on Occupational Ergonomics.  
International Journal of Occupational Safety and Health, **2012**;Vol 2(2) p 1 – 2

62. **Somnath Gangopadhyay**, Tamal Das  
An ergonomic study on the onset of mental fatigue among the load handling workers of a  
central market area in Kolkata.  
Work. **2012** Jan 1;41:2467-2471.

63. **Somnath Gangopadhyay**, Samrat Dev  
Effect of low back pain on social and professional life of drivers of Kolkata.  
Work. **2012** Jan 1;41:2426-2433.

64. Banibrata Das and **Somnath Gangopadhyay**  
Prevalence of Musculoskeletal Disorders and Physiological Stress Among Adult, Male  
Potato Cultivators of West Bengal, India.  
Asia Pac J Public Health. **2012** Jan 13. [Epub ahead of print]

65. Somnath Gangopadhyay

Editorial,

International Journal of Occupational Safety and Health, **2012**; Vol 2(1),pp 1

66. Ananga Mohan Chandra, Suhana Ghosh, Sangita Barman,  
Samrat Dev and **Somnath Gangopadhyay**

An ergonomic study on musculoskeletal health hazards among sawmill workers  
of West Bengal, India

Journal of Human Ergology, **2011**;Vol. 40(1,2),p 1-10.

67. Banibrata Das and **Somnath Gangopadhyay**

An ergonomics evaluation of posture related discomfort and occupational health problems among rice farmers.

Occupational Ergonomics, **2011**;Volume 10(1-2),p 25-38.

68. **Somnath Gangopadhyay**, Tarannum Ara, Tamal Das, Goutam Ghoshal and Samrat Dev

An Occupational Health Study of the Footwear Manufacturing Workers of Kolkata, India.

Studies on Ethno-Medicine, **2011**;Vol. 5(1),p11-15.

69. Banibrata Das, Tirthankar Ghosh, **Somnath Gangopadhyay**

A Comparative Study of Physical Fitness Index (PFI) and Predicted Maximum Aerobic-Capacity(VO<sub>2</sub>Max) among the Different Groups of Female Students in West Bengal, India.

International Journal of Applied Sports Sciences, **2010**; Vol. 22 (1), p 13-23.

70. **Somnath Gangopadhyay**, Banibrata Das, Tamal Das, Goutam Ghoshal, Tirthankar Ghosh. An Ergonomic Study on Posture Related Discomfort and Occupational Related Disorders among Stone Cutters of West Bengal, India.

International Journal of Occupational Safety and Ergonomics (JOSE), **2010**; Vol. 16 (1), p 69-79.

71. **Somnath Gangopadhyay**, T. Ghosh, T. Das, G. Ghoshal, B. Das, T. Ara and S. Dev

Effect of Working Posture on Occurrence of Musculoskeletal Disorders among the Sand Core Making Workers of West Bengal.

Central European Journal of Public Health, **2010**; Vol. 18(1),p38-42.

72. Subhashis Sahu, Moumita Sett and **Somnath Gangopadhyay**

An Ergonomic study on teenage girls working in the manual brick manufacturing units in the unorganized sectors in West Bengal, India Journal of Human Ergology, **2010**;Vol. 39(1),p35-44.

73. **Somnath Gangopadhyay**, B. Das, G. Ghoshal, T. Das, T. Ara and S. Dev

Ergonomics study on musculoskeletal disorders among female agricultural workers of West Bengal, India

Ergonomics SA, **2009**;Vol 21(1),p11-22.

74. **Somnath Gangopadhyay**, B.Das, G.Ghoshal, T.Das,T.Ghosh, R.Ganguly,K.Samanta,  
The prevalence of musculoskeletal disorder (MSD) among the prawn seed collectors of Sundarbans  
Journal of Human Ergology, **2008**;Vol 37(2), p83-90.
75. **Somnath Gangopadhyay**, Tirthankar Ghosh, Tamal Das, Goutam Ghoshal and Banibrata Das,  
Prevalence of Upper limb Musculo Skeletal Disorders among Brass Metal Workers in West Bengal, India  
Industrial Health, **2007**; Vol. 45,p365-370
76. **Somnath Gangopadhyay**, Tirthankar Ghosh, Tamal Das, Goutam Ghoshal and Banibrata Das,  
Impact of Injuries on Work Performance among the Surgical Blacksmiths of West Bengal. International Journal of Injury Control and Safety Promotion, **2007**; Vol. 14(2), p 85-92.
77. **Somnath Gangopadhyay**, T. Das, G. Ghoshal and T. Ghosh  
Work Organization in Sand Core Manufacturing for Health and Productivity.  
International Journal of Industrial Ergonomics, **2006** ; Vol.36, p 915-920.
78. **Somnath Gangopadhyay**, BB Das, T. Das and G. Ghoshal.  
The Prevalence of Musculoskeletal Disorders among Pre-adolescent Agricultural Workers of West Bengal, India. Ergonomics SA (South Africa), **2006**;Vol. 18 (1) p 14-21.
79. K.Bose, A.Ghosh, S.Roy and **Somnath Gangopadhyay**  
The relationship of age, body mass index and waist circumference with blood pressure in Bengalee Hindu male jute mill workers of Belur, West Bengal, India. Anthropologischer Anzeiger (Germany), **2005**;Vol. 63 (2) p 205-212.
80. **Somnath Gangopadhyay**, A. Bharadwaj, T. Das and G. Ghoshal.  
Ergonomic Study on Workers using Grinding Tools Sector and Proposed Design to Eliminate Physical Trauma during Work. Ergonomics SA (South Africa), **2005**; 17(1), p 2-12.
81. **Somnath Gangopadhyay**, B. Das, T. Das and G. Ghoshal  
An Ergonomic Study on Posture- Related Discomfort among Preadolescent Agricultural Workers of West Bengal, India. International Journal of Occupational Safety and Ergonomics (Poland), **2005**;Vol. 11(3) p 315 – 322.
82. **Somnath Gangopadhyay**, B. Brata. Das, T. Das and G. Ghoshal.  
Prevalence of Musculoskeletal Disorders among pre-adolescent agricultural workers of West Bengal, India. Ergonomics SA (South Africa), **2004**;Vol. 16 (1) p 2-14.

83. **Somnath Gangopadhyay** and P. Banerjee.  
A Study On The Prevalence Of Upper Extremity Repetitive Strain Injuries Among The Handloom Weavers Of West Bengal.  
Journal of Human Ergology (Japan), **2003**; Vol. 32 (1) p 17-22.
84. **Somnath Gangopadhyay**, A. Ray, A. Das, T. Das, G. Ghoshal, P. Banerjee, and S. Bagchi.  
A Study On Upper Extremity Cumulative Trauma Disorder In Different Unorganised Sectors Of West Bengal, India.  
Journal of Occupational Health (Japan), **2003** ; Vol.45 (6), p 351-357
85. K. Bose, A. Ghosh, S. Roy and **Somnath Gangopadhyay**  
Blood Pressure and Waist Circumference: An Empirical Study of the Effects of Waist Circumference on Blood Pressure among Bengalee male jute mill workers of Belur, West Bengal, India.  
Journal of Physiological Anthropology and Applied Human Sciences, Japan, **2003**;  
Vol.22(4) p 169-173.

*Peer reviewed paper (national journals)[1989-2022; 41 ]*

1. Tathagata Bhattacharjee and **Somnath Gangopadhyay**  
Oral Cancer Causing Habits and Related Oral Lesions-A Study Among People of Northern Part of West Bengal, with Different Occupation and Socioeconomic Background.  
Indian Dental Association Journal, West Bengal., Vol-38, No-1, March 2022, 15-22.
2. **Somnath Gangopadhyay**  
Ergonomics and Health: Working from Home under COVID 19  
BLDE University Journal of Health Sciences 2020, Volume 5, Supplement Issue, 14-16.
3. Titlee Majumder, Subrata Ghosh, **Somnath Gangopadhyay**  
In search of aggression markers amongst Pre Pubertal Children of West Bengal: An anthropometric attempt correlated with biochemical analysis.  
BLDE University Journal of Health Sciences 2020, Volume 5, Supplement Issue,28
4. Debajyoti Bhattacharya, Prerona Biswas, **Somnath Gangopadhyay**, Mausumi Sikdar (ne'e Bhakta)  
High Protein Diet Ameliorates the Reprotoxic Effects in Male Swiss Albino Mice Exposed to Electromagnetic Radiation Emitted from Mobile Phone  
BLDE University Journal of Health Sciences 2020, Volume 5, Supplement Issue,24-25

5. Alok Chattopadhyay and **Somnath Gangopadhyay**

Trends of alterations in pulmonary function and symptoms in garment workers of Garden-Reach-Metiabruz area of Kolkata

Biomedicine 2020 40(3) , 357-362

6. Bhattacharjee T, Mandal P, **Gangopadhyay S.** Smokeless tobacco use and related oral mucosal changes in Bengali Women. J Family Med Prim Care 2020; 9: 6; 2741-2746.

7. Bhattacharjee T, Jana D, **Gangopadhyay S.**

Prevalence of habit-related oral lesions in Kolkata and the surrounding districts. Indian J Multidiscip Dent 2019, Vol.9, Issue 2,106-110.

8. Bhattacharya D., **Gangopadhyay S.**, and Sikdar M. Mobile Phone Radiation Induced Damages - Technological and Physiological Considerations in Searching Remedies. Everyman's Science, 2018, v. Feb; LII(6), 386-390. ISSN: 0531-495X.

9. Barsha Dassarma , Subhajit Jana , Subham Rakshit , Dilip K. Nandi , **Somnath Gangopadhyay** , Saptadip Samanta

An Overview on Systemic Effects of Carbon Tetrachloride (CCl<sub>4</sub>) Exposure

**Indian Science Cruiser**, Volume 32 no 3,36-40, 2018

10. Tathagata Bhattacharjee, **Somnath Gangopadhyay**

Oral cancer awareness and attitude toward its screening: A study among people with different occupations

Indian Journal of Multidisciplinary Dentistry, Volume 8, 2018

11 .Kasturi Mukherjee , Tathagata Bhattacharjee ,Avik Kumar Biswas and

**Somnath Gangopadhyay**

“The Prevalence of Work –related Musculoskeletal Disorders among Female Orthodontists- an Ergonomic Study”

Journal of Dental Excellence, an official publication of Kolhan University, Jharkhand. Vol. 4 No. 2, July 2017

12. Tathagata Bhattacharjee ,Avik Kumar Biswas , Debarshi Jana and **Somnath Gangopadhyay**

“Oral Cancer Awareness, Attitude towards Oral Cancer Screening, related Habits, and Habit related Oral Lesions –A Study among People of West Bengal with Different Socio-economic Background”

Journal of Dental Excellence, an official publication of Kolhan University, Jharkhand. Vol. 4 No. 2, July 2017

13. Samrat Dev, Krishnendu Sarkar,Sabarni Chakrabarty,Tamal Das, and **Somnath Gangopadhyay**

Prevalence of Work related Musculoskeletal Disorders (MSD) in Distal Upper Extremity (DUE) among the Workers of a Fan Manufacturing Unit of West Bengal

Indian Journal of Physiology and Allied Sciences, 2012 Vol 67 No.3, pp126-135



14. **Somnath Gangopadhyay**, Tamal Das, Samrat Dev, Sabarni Chakrabarty and Krishnendu Sarkar

Ergonomics in potters' hand

Indoceram of AIPMA, 2012, Vol 1 No 2, pp 35-37

15. T. Ghosh, B. Das, **Somnath Gangopadhyay**

A study on factors of dissatisfaction and stress of the blacksmiths resulting from the organizational culture in the surgical instrument industry of India.

Industrial Psychiatry Journal 2011, Vol 20, pp124-130

16. Tirthankar Ghosh, Banibrata Das, **Somnath Gangopadhyay**

A comparative ergonomic study of work-related upper extremity musculo skeletal disorder among the unskilled and skilled surgical blacksmiths in West Bengal, India.

Indian J Occup Environ Med. 2011, Vol 15, No.3, pp127-132.

17. Banibrata Das, Tirthankar Ghosh, and **Somnath Gangopadhyay**

Peak Expiratory Flow Rate Among Child Labourers in West Bengal, India

Indian Pediatrics, 2011, Vol.48, No.6, pp 487-488.

18. **Somnath Gangopadhyay**, Samrat Dev, Tamal Das, Goutam Ghoshal and Tarannum Ara

An Ergonomic study on the occurrence of injuries and concept of students on school bus safety in India.

Al Ameen Journal of Medical Sciences, 2011: Vol. 4, No.1, pp 54-60.

19. Tirthankar Ghosh, Banibrata Das, **Somnath Gangopadhyay**

Work-related musculoskeletal disorder: An occupational disorder of the goldsmiths in India

Indian Journal of Community Medicine, 2010 :Vol. 35, No 2, pp 321-325.

20. **Somnath Gangopadhyay**, S.Dev T.Das, G.Ghoshal, , T.Ara,

A study on concept of safety among users of school buses of Kolkata

Journal of Environmental Physiology, Vol. 1, 2008, 11-19

21. **Somnath Gangopadhyay**, T. Das, G. Ghoshal and P.Biswas.

A Questionnaire Study to Evaluate the Predominant Causes Behind City Bus Accidents in Calcutta, India. The Indian Journal of Physiology and Allied Sciences, 2005: Vol 59, No 2, pp33-42.

22. **Somnath Gangopadhyay**, T. Das, G. Ghoshal and B. Das.

An Ergonomic Study on the Development of Musculoskeletal Disorders among the Fixed Load and Variable Load Handling Workers of Kolkata. Indian Journal of Biological Sciences, 2003: Vol. 9 pp 37- 45.

23. **Somnath Gangopadhyay**, G. Ghoshal, and T. Das.  
An Ergonomic Study on the Prevalence of Cervical Accidents Among Heavy Load Handling Workers in a Central Market Area of West Bengal. Indian Journal of Physiology and Allied Sciences, January, 2003: Vol 57, No 1 pp-1-9.
24. **Somnath Gangopadhyay**, G. Ghoshal, and T. Das.  
An Ergonomic Study on Different Working Postures of Manual Material Handling Workers in The Central Market Area of West Bengal. Indian Journal of Occupational and Environmental Medicine; 2002 :Vol 6, pp 225-229.
25. **Somnath Gangopadhyay**  
Effect of Work Environment on the Working Behavior of Human being.  
Environment and People; 2001: Vol 8, p 29.
26. **Somnath Gangopadhyay** and E.Poddar  
Analysis of working postures of jute mill workers during weaving related activities.  
Indian Journal of Physiology and Allied Sciences; 2001,: Vol 55, pp77-85.
27. **Somnath Gangopadhyay**  
Concepts of Ergonomics and its application in Indian Industry. Ergonomics and Occupational Safety Published by Loss Prevention Association of India Ltd. and Indian Society of Ergonomics; 2001, pp 1-6.
28. **Somnath Gangopadhyay** and A. Ray  
Application of initial screening tool to identify occupational risk factors during meat cutting operation.  
Vidyasagar University Journal of Biological Sciences ;2000: Vol 6, pp10-19.
29. **Somnath Gangopadhyay** and .H.L.Arora  
Analysis of ergonomic causes behind the repetitive accidents of a steel plant in India.  
Indian Journal of Physiology and Allied Sciences; 2000: Vol 54, pp 6-12.
30. **Somnath Gangopadhyay** and A. Ray  
An analysis of repetitive strain injuries among three groups of workers.  
Indian Journal of Occupational and Environmental Medicine; 2000 , Vol 4, pp39-41.
31. J.Ghosh and. **Somnath Gangopadhyay**  
Computer bugs-environmental pollution and health hazards.  
Environment and People; 2000,: Vol 6, pp 22-24.
32. **Somnath Gangopadhyay** and T. Bandyopadhyay  
Ergonomics study on analysis of normal activities of Indian women in kitchen.  
Biomedicine; 1999: Vol 19, pp 123-128.
33. **Somnath Gangopadhyay**, A. Ray and P.Mukhopadhyay

A study on effect of respirable dusts on the pulmonary functions of Indian steel plant workers.

Environment and People; 1999,: Vol 6, pp 53-57.

34. **Somnath Gangopadhyay** and J.K.Mahapatra

Pulmonary function studies on clinically normal Indian steel plant workers.  
Indian Journal of Physiology and Allied Sciences; 1998,: Vol 52, pp 49-52.

35. **Somnath Gangopadhyay** and R.N.Sen

An ergonomics study on reportable accidents in some industries with hot processes in West Bengal.

Indian Journal of Industrial Medicine; 1997: Vol 43, pp 7-9.

36. **Somnath Gangopadhyay**

Occupational health studies of construction workers of a steel plant in India.  
Indian Journal of Physiology and Allied Sciences; 1996,: Vol 50, pp145-149.

37.H.L.Arora, G.P.Agwani and **Somnath Gangopadhyay**

A study on pulmonary function of Indian steel plant workers.

Indian Journal of Physiology and Allied Sciences; 1995,: Vol 49, pp 78-82.

38. **Somnath Gangopadhyay**

Ergonomics study on burn accidents during handling of hot material in a steel industry in India.

Indian Journal of Physiology and Allied Sciences; 1994, : Vol 48, pp78-82.

39. **Somnath Gangopadhyay**

Ergonomics study on four main types of accidents in a steel industry in India.

Indian Journal of Physiology and Allied Sciences; 1993, Vol 47, pp119-122.

40. **Somnath Gangopadhyay**

Ergonomics and its role in industrial production.

Safety, Health and Environment Scan, 1992, Vol 3 pp10-11.

41. R.N.Sen and **Somnath Gangopadhyay**

Ergonomics study on accidents during manual material handling in an engineering factory in West Bengal.

Indian Journal of Physiology and Allied Sciences; 1989, Vol 43, pp 113-118.

#### ***Chapter in books (1993-2022; 26)***

1. **Somnath Gangopadhyay** and Sourav Banerjee: System Perspective in Usability and UX Design in Chapter 18 Section 5 Case studies in Usability and User Experience in Handbook of Usability and User Experience Research and Case Studies Edited by Marcelo M. Soares, Francisco Rebelo and Tareq Z. Ahram First edition published 2022 by CRC Press 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487-2742

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ISBN: 9780367357719 (hbk) ISBN: 9781032070315 (pbk) ISBN: 9780429343513 (ebk)  
DOI: 10.1201/9780429343513

2. N. P. Kulkarni, **Somnath Gangopadhyay**, and J. Bharshankar  
Postural Injuries and Associated Pain in Earth Moving Machinery Operators, Medical  
Geology in Mining Health Hazards Due to Metal Toxicity, Springer Geology, 237-252  
(2022), ISSN 2197-9545 ISSN 2197-9553 (electronic) ISBN 978-3-030-99494-5 ISBN  
978-3-030-99495-2 (eBook), <https://doi.org/10.1007/978-3-030-99495-2>

### 3. **Somnath Gangopadhyay**

Design for differently abled people in Chapter 3 of Section 6 Society and our wellbeing,  
in Cross Cutting Research in Social Sciences,2019, Edited by Sabuj Kumar Chaudhuri  
and Pubalika Bhattacharya Maitra, Published by UGC-HRD University of Calcutta, pp  
324-326,2019, ISBN 978-81-939363-0-6.

4.W. Mishra, A. De, R. Iqbal, V. Khanzode, **Somnath Gangopadhyay**, A.M. Chandra  
A study on Agony of Indian Percussionists in Part II: Musculo Skeletal Disorders inEr-  
gonomics in Caring for People –Proceedings of International Conference on Humanizing  
Work and Work Environment 2015, Edited by Gaur G. Ray, Rauf Iqbal ,Anindya K.  
Ganguli and Vivek Khanzode, Springer Publication, pp 19-25, June 2017  
ISBN 978-981-10-4979-8 ISBN 978-981-10-4980-4 (eBook)  
<https://doi.org/10.1007/978-981-10-4980-4>.

5. Sarkar K, Das T, Dev S, **Gangopadhyay S**. *Effects of low back pain and neck pain on  
the health status of the porter of central market area of Kolkata*. Chapter : Posture and  
Musculoskeletal Disorder in Ergonomics for Rural Development (ISBN 9789351749059)  
Edited by Prof. Praksh C. Dhara, Published by Department of Human Physiology with  
Community Health, Vidyasagar University, 2015, pp 421-426

6.**Gangopadhyay Somnath**, Chakrabarty Sabarni, Banerjee Sunetra. *Assessment of Men-  
tal Fatigue among Chikan Embroidery Workers of West Bengal*. Chapter : Physical and  
Cognitive Ergonomics in Ergonomics for Rural Development (ISBN 9789351749059)  
Edited by Prof. Praksh C. Dhara, Published by Department of Human Physiology with  
Community Health, Vidyasagar University, 2015,pp 332-340

7. Manoj Nath, **Somnath Gangopadhyay** and Goutam Chel. Prevalence of Malnutrition  
among Adolescent Bengalee and Tripuri boys of Agartala, Tripura. Section II Science in  
Research Word (ISBN 978-81-930702) Edited by Anjali Chakraborty. Publish by  
Charupath Publishing House,2015, pp 133-141

### 8. **Somnath Gangopadhyay** and Goutam Ghoshal

An ergonomic study on the occurrence of accidents among the manual material handling  
workers of a central market area in Kolkata in Human Factors in Organizational Design

and Management X, Volume II, Chapter 20 Human Factors attributes of industrially developing countries (ISBN 0-9768143-4-X) edited by Matthias Gobel, Candice Christie, Swantje Zschoernack, Andrew Todd and Miriam Mattison, Published by IEA press, California, USA, 2011, 127-132.

9. Tamal Das and **Somnath Gangopadhyay**

An ergonomic study on the prevalence of musculoskeletal disorder among the load handling workers of a central market area in Kolkata in Human Factors in Organizational Design and Management X, Volume II, Chapter 20 Human Factors attributes of industrially developing countries (ISBN 0-9768143-4-X) edited by Matthias Gobel, Candice Christie, Swantje Zschoernack, Andrew Todd and Miriam Mattison, Published by IEA press, California, USA, 2011, 121-126.

10. Suhana Ghosh, Sangita Barman, **Somnath Gangopadhyay** and A. M. Chandra  
An Ergonomic Assessment Of The Library Work Station Design In Relation To The Employees' Musculoskeletal Health Hazards in Ergonomics for Everyone, Chapter X Ergonomics in Intervention and Design (ISBN 978-81-910303-0-3) **edited by Somnath Gangopadhyay Published by HWWE 2009 Department of Physiology, University of Calcutta, 2010, 641-651.**

11. Banibrata Das and **Somnath Gangopadhyay**

An Ergonomic Evaluation of Spading Activity among the Child Labours in Agricultural Sector in West Bengal, India in Ergonomics for Everyone, Chapter X Ergonomics in Intervention and Design (ISBN 978-81-910303-0-3) edited by Somnath Gangopadhyay Published by HWWE 2009 Department of Physiology, University of Calcutta, 2010, 235-246.

12. **Somnath Gangopadhyay**, Tamal Das, Goutam Ghoshal, Tarannum Ara, Samrat Dev and Rapti Das.

Assessment of Occupational Health Problems among the Part-Time Housemaids of West Bengal.  
in Ergonomics for Everyone, Chapter II Ergonomics in Occupational Health (ISBN 978-81-910303-0-3) **edited by Somnath Gangopadhyay Published by HWWE 2009 Department of Physiology, University of Calcutta, 2010, 53-60.**

13. Samrat Dev, Tarannum Ara, Goutam Ghoshal, Tamal Das, Amitaba Kar and **Somnath Gangopadhyay**

Occupational Factors Associated with Low Back Pain in Kolkata Bus Drivers, India in Ergonomics for Everyone, Chapter II Ergonomics in Occupational Health (ISBN 978-81-910303-0-3) edited by Somnath Gangopadhyay Published by HWWE 2009 Department of Physiology, University of Calcutta, 2010, 61-73

14. B. Das, T. Das, G. Ghoshal, T. Ara, S. Dev and **Somnath Gangopadhyay**,

Study on the prevalence of musculoskeletal disorders among agricultural workers of West Bengal, India

in Section 1: Women in Agriculture in Developments in Agricultural and Industrial Ergonomics, Vol 2: Women at Work, edited by L.P.Gite, C.R.Mehta, Nachiket Kotwaliwale and Joydeep Majumder, Allied Publisher Pvt.Ltd, 2009, 96-104.

15. S.Dev,T.Ara,T.Ghosh,T.Das,G.Ghoshal,B.Das and **Somnath Gangopadhyay**, Concept of metropolitan city students on the design of a safe school bus : a participatory ergonomics study

in Section 1: Anthropometry and Work place Design in Developments in Agricultural and Industrial Ergonomics, Vol 1: General Studies, edited by L.P.Gite, C.R.Mehta, Nachiket Kotwaliwale and Joydeep Majumder, Allied Publisher Pvt.Ltd, 2009, 12-18.

16. **Somnath Gangopadhyay**, Tamal Das, Goutam Ghoshal and Amrita Das Gupta, Nitrate concentration in potable water of Singur Block of West Bengal In Air, Water and Soil Pollution Edited by K.K.Singh, A.Juwarkar,A.K.Singh and A.Tomar, Section II, Water Pollution, 2007, Chapter 16, 170-181, Kalyani Publishers, New Delhi.

17. **Somnath Gangopadhyay**, Tamal Das, Goutam Ghoshal and Sayantan Roy, Effects of commonly available pesticides on pulmonary function of agricultural workers of Hooghly District, West Bengal In Air, Water and Soil Pollution Edited by K.K.Singh, A.Juwarkar,A.K.Singh and A.Tomar, Section I, Air Pollution, 2007, Chapter 12, 115-121,Kalyani Publishers, New Delhi.

18. **Somnath Gangopadhyay**, Tamal Das and Goutam Ghoshal, A Prevalence Study on the Development of Musculo Skeletal Disorders Among the Workers Engaged in Hand Intensive Jobs in West Bengal In Ergonomic Interventions for Health & Productivity Edited by Suman Singh, 2007, Chapter 14, 204-213, Himanshu Publications, New Delhi.

19. Tirthankar Ghosh and **Somnath Gangopadhyay**

A Study on Workstation Design related Musculoskeletal Disorders of the Goldsmiths in West Bengal, India. Humanizing Work and Work Environment (HWWE 2005), International Ergonomics Conference, Indian Institute of Technology, Guwahati, Assam, Edited by Debkumar Chakrabarti and Abhijit Das, Published by Allied Publishers Private Limited (India), 2006, pp 257-262.

20. Banibrata Das and **Somnath Gangopadhyay**

Comparative Study of Peak Expiratory Flow Rate among the Child Labour in West Bengal, India. Humanizing Work and Work Environment (HWWE 2005), International Ergonomics Conference, Indian Institute of Technology, Guwahati, Assam, Edited by Debkumar Chakrabarti and Abhijit Das, Published by Allied Publishers Private Limited (India), 2006, pp 297-304.

21. Jisnu Basu, **Somnath Gangopadhyay**, Tirthankar Ghosh, Goutam Ghoshal and Tamal Das

A Study on Work-Stress and Factors of Dissatisfaction of the Blacksmiths Resulting due to the Difference in Technology Level with the Upper Links of the Production Chain in Surgical Instrument Industry of West Bengal. Humanizing Work and Work Environment (HWWE 2005), International Ergonomics Conference, Indian Institute of Technology, Guwahati, Assam, Edited by Debkumar Chakrabarti and Abhijit Das, Published by Allied Publishers Private Limited (India), 2006, pp 518-525.

22. Goutam Ghoshal and **Somnath Gangopadhyay**.

Analysis of Causes Behind Iron Foundry Accidents in West Bengal, India. Humanizing Work and Work Environment (HWWE 2005), International Ergonomics Conference, Indian Institute of Technology, Guwahati, Assam, Edited by Debkumar Chakrabarti and Abhijit Das, Published by Allied Publishers Private Limited (India), 2006, pp 288-292.

23. Tamal Das and **Somnath Gangopadhyay**

A Critical Evaluation of the Probable Causes of Musculoskeletal Disorders Prevalent Among the Manual Material Handling Workers of a Construction Industry. Humanizing Work and Work Environment (HWWE 2005), International Ergonomics Conference, Indian Institute of Technology, Guwahati, Assam, Edited by Debkumar Chakrabarti and Abhijit Das, Published by Allied Publishers Private Limited (India), 2006, pp 283-287.

24. J. Chakraborty, G. Ghoshal, T. Das and **Somnath Gangopadhyay**

Designing of hand gloves in protection of hand wrist injuries among Jute Mill Workers of West Bengal. Recent Trends in Human Biology, Edited by A.B. Das Choudhuri, Published by Calcutta University Press; 2004, pp 93-101.

25. **Somnath Gangopadhyay** and J.K.Mahapatra

Ergonomic study on non-reportable accidents during mechanical maintenance work (MMW) in a Steel. Plant in India.

Occupational and Environmental Ergonomics, Edited by R.N.Sen, H.P.Chattopadhyay and A.Sinha. Published by Indian Society of Ergonomics (ISE); 1999, pp 273-276.

26. R.N.Sen and **Somnath Gangopadhyay**

Ergonomics study on MMH accidents in unorganized sectors in Calcutta.

Occupational and Environmental Ergonomics. Edited by R.N.Sen, S.Das, and H.P.Chattopadhyay. Published by Indian Society of Ergonomics (ISE), 1993; pp 129-133.

*Edited book (2003-2021; 05)*

1. **Somnath Gangopadhyay (Editor)**

Occupational Health and Safety during COVID 19 Pandemic in India (ISBN 978-93-5408-564-2) Published by Somnath Gangopadhyay in association with Avenel Press, Burdwan, 2021, Pp 145.

2. **Somnath Gangopadhyay (Editor)**

Ergonomics for Everyone Volume 2 (ISBN 978-81-910303-1-0)  
Published by HWWE 2009 Department of Physiology, University of Calcutta, 2011, Pp  
147.

**3. Somnath Gangopadhyay (Editor)**

Ergonomics for Everyone Volume 1 (ISBN 978-81-910303-0-3)  
Published by HWWE 2009 Department of Physiology, University of Calcutta, 2010, Pp  
776.

**4. Somnath Gangopadhyay, Sreya Chatterjee, Madhura Datta, D.C.Nath**  
Proceedings of the 83<sup>rd</sup> Orientation Program, March 1 to 27, 2010. Published by UGC-  
Academic Staff College, University of Calcutta, Pp 136.

**5. Somnath Gangopadhyay and B.K.Dutta.**

Philosophy of Living.  
UGC-Academic Staff College, Calcutta University, 2003.

***Full paper in conferences' proceedings (Full Papers 1994-2021; 23)***

1. Kasturi Mukherjee and Somnath Gangopadhyay  
Basic aspect of COVID 19, mode of transmission, alteration of dental work station  
and ergonomic intervention in dental and orthodontic practice in the back drop of  
COVID-19. Proceedings of Virtual Seminar on Occupational Health and Safety dur-  
ing COVID 19 Pandemic held on 28<sup>th</sup> April 2020.  
Occupational Health and Safety during COVID 19 Pandemic in India (ISBN 978-93-  
5408-564-2) Editor : Somnath Gangopadhyay Published by Somnath Gangopadhyay  
in association with Avenel Press, Burdwan ,2021, p 63-82.
2. Tathagata Bhattacharjee and Somnath Gangopadhyay  
Safety during COVID-19 pandemic while performing dental treatment procedures.  
Proceedings of Virtual Seminar on Occupational Health and Safety during COVID 19  
Pandemic held on 28<sup>th</sup> April 2020.  
Occupational Health and Safety during COVID 19 Pandemic in India (ISBN 978-93-  
5408-564-2) Editor : Somnath Gangopadhyay Published by Somnath Gangopadhyay  
in association with Avenel Press, Burdwan ,2021, p 83-104.
3. Sayantika Das, Subrata Goswami and Somnath Gangopadhyay  
Ergonomics can be an important weapon for postalworkers against covid-19 pandem-  
ic. Proceedings of Virtual Seminar on Occupational Health and Safety during COVID  
19 Pandemic held on 28<sup>th</sup> April 2020.  
Occupational Health and Safety during COVID 19 Pandemic in India (ISBN 978-93-  
5408-564-2) Editor : Somnath Gangopadhyay Published by Somnath Gangopadhyay  
in association with Avenel Press, Burdwan ,2021, p 115-127.



4. Blewett VL, Hirsch LF, **Gangopadhyay S** (2015) *Work in art, art in work: [un]changing representations of work in the art of Kiron Sinha*. Proceedings of the 19th Triennial Congress of the International Ergonomics Association, 9-14 August, Melbourne Australia
5. **Gangopadhyay S**. Application of Ergonomics in Informal Economy in “User centered Design & Occupational Well being.” Proceedings of International Ergonomics Conference, HWWE 2014. ISBN 978-93-392-1970-3; Section-D: ‘Ergonomics Awareness, Education and Training’. Edited by Debkumar Cakrabarti, Published by Mc Graw Hill Education (India) Private Limited, New Delhi, pp 765- 768.
6. Chakrabarty S and **Gangopadhyay S**. A Participatory Ergonomics Study on Chikan Embroidery Workers of West Bengal for Improving Productivity Using Low-Cost Ergonomics Intervention in “User centered Design & Occupational Well being.” Proceedings of International Ergonomics Conference, HWWE 2014. ISBN 978-93-392-1970-3; Section-B: ‘Ergonomics & Design for Elderly, Specially disabled & Women’. Edited by Debkumar Cakrabarti, Published by Mc Graw Hill Education (India) Private Limited, New Delhi, pp 286- 291.
7. Sarkar K, Das, T, Dev S and **Gangopadhyay S**. Effect of psychosocial factors on the development of low back pain among the porters of central market area of Kolkata in “User centered Design & Occupational Well being.” Proceedings of International Ergonomics Conference, HWWE 2014. ISBN 978-93-392-1970-3; Section-C: ‘Physiological considerations for environmental and occupational health’. Edited by Debkumar Cakrabarti, Published by Mc Graw Hill Education (India) Private Limited, New Delhi, pp 592- 595.
8. Saurav Nandi, Debamalya Banerjee and **Somnath Gangopadhyay**. A study on noise pollution in different noise generating units of Thermal power plants in “User centered Design & Occupational Well being.” Proceedings of International Ergonomics Conference, HWWE 2014. ISBN 978-93-392-1970-3; Section-C: ‘Physiological considerations for environmental and occupational health’. Edited by Debkumar Cakrabarti, Published by Mc Graw Hill Education (India) Private Limited, New Delhi, pp 460- 463.
9. Krishnendu Sarkar, Tamal Das, Samrat Dev and **Somnath Gangopadhyay** Prevalence of musculoskeletal disorders among the manual material handling workers – a pilot study in Humanizing Work and Work Environment Ergo safety for all (ISBN 9789351302704) Edited by Dr. Deepa Vinay, Published by Daya Publishing House, India, 2014, Edited by Debkumar Cakrabarti, Published by Mc Graw Hill Education (India) Private Limited, New Delhi, pp 244-249
10. Sabarni Chakrabarty and **Somnath Gangopadhyay** Prevalence of Neck Pain among Chikan Embroidery Workers of West Bengal in Humanizing Work and Work Environment Ergo safety for all (ISBN

9789351302704) Edited by Dr. Deepa Vinay, Published by Daya Publishing House,India, 2014, pp 463-471

11. Samrat Dev and **Somnath Gangopadhyay**  
A Study on the Prevalence of Occupational Stress Among the Urban Government and Non Government Bus Drivers of Kolkata in Humanizing Work and Work Environment Ergo safety for all (ISBN 9789351302704) Edited by Dr. Deepa Vinay, Published by Daya Publishing House,India, 2014, pp 472-478
12. Tamal Das and **Somnath Gangopadhyay**  
An Ergonomics Study on the Assessment of Life Status of Porters of a Central Market Area in Kolkata in Proceedings of 2012 Southeast Asian Network of Ergonomics Societies Conference (SEANES) edited by Halimahtun M. Khalid, Alvin W. Yeo, Martin G.Halender and Tek Yong Lim published by Damai Sciences Sdn Bhd, Malaysia, ISBN: 978-983-41742, 2012.
13. Samrat Dev and **Somnath Gangopadhyay**  
Upper Body Musculoskeletal Disorders among Professional Non-Government City Bus Drivers of Kolkata in Proceedings of 2012 Southeast Asian Network of Ergonomics Societies Conference (SEANES) edited by Halimahtun M. Khalid, Alvin W. Yeo, Martin G.Halender and Tek Yong Lim published by Damai Sciences Sdn Bhd, Malaysia, ISBN: 978-983-41742, 2012.
14. **Somnath Gangopadhyay**  
Application of ergonomic interventions in unorganized sectors of West Bengal for the prevention of musculo skeletal disorders in Proceedings of APCHI ERGOFUTURE edited by Dewa Putu Sutjana,I Putu Gede Adiatmika,I Gusti Ngurah Ardana And I. B. K. Gede Dharma Putra published by Udayana University Press, Bali, ISBN: 978-602-8566-85-8, 2010,273-279
15. **Somnath Gangopadhyay**  
Cognitive Ergonomics and its application in Design in the Proceedings of the 83<sup>rd</sup> Orientation Program, March 1 to 27, 2010.Published by UGC-Academic Staff College, University of Calcutta, 69-70.
16. **Somnath Gangopadhyay**  
Concepts of Ergonomics and its application on the productivity of system design. 3<sup>rd</sup> Refresher Course in Physiology: Outlines of Reading Materials; Edited by B.K.Datta, A.K.Chatterjee and D.Guha. Published by Academic Staff College and Dept. of Physiology, University of Calcutta, 2001, p 209.
17. Banibrata Das and **Somnath Gangopadhyay**  
A Comparative Analysis of Work Related Musculo Skeletal Disorder (MSD) Between Different Groups of Workers in West Bengal. Proceedings of Humanizing Work and Work Environment (HWWE 2008), International Ergonomics Conference, 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 2008, pp 491-496.

18. **Somnath Gangopadhyay**, Wricha Mishra and Amitabha De  
Ergonomics Study on Development of Musculoskeletal Disorder (MSD) Among Indian Tabla and Drum Players. Humanizing Work and Work Environment (HWWE 2008), International Ergonomics Conference, 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 2008, pp 300-305.
19. Samrat Dev and **Somnath Gangopadhyay**  
Ergonomic Study on the Development of Work Related Musculo Skeletal Disorder (MSD) Among Bus Conductors of West Bengal. Humanizing Work and Work Environment (HWWE 2008), International Ergonomics Conference, 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 2008, pp 258-266.
20. Tarannum Ara and **Somnath Gangopadhyay**  
Ergonomics and Occupational Health Studies of Footwear Making Workers of Kolkata. Humanizing Work and Work Environment (HWWE 2008), International Ergonomics Conference, 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 2008, pp 112-117.
21. Tamal Das and **Somnath Gangopadhyay**  
A Critical Evaluation of the Probable Causes of Occupational Stress among the Porters of a Central Market Area in Kolkata. Humanizing Work and Work Environment (HWWE 2008), International Ergonomics Conference, 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 2008, pp 294-299.
22. Goutam Ghoshal and **Somnath Gangopadhyay**  
An Ergonomic Study on Construction Industry Accidents Due to Postural Stress during Manual Material Handling In West Bengal, India. Humanizing Work and Work Environment (HWWE 2008), International Ergonomics Conference, 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 2008, pp 225-229.

23. **Somnath Gangopadhyay**

Accidents and occupational health studies of workers engaged in construction work of an organized sector in India. Contemporary Ergonomics, "Ergonomics for All", Proceedings of the Annual Conference of the Ergonomics Society, U.K., April 19-22, 1994. Edited by S.A.Robertson, Published by Taylor and Francis Ltd, London, UK, pp 18-22.

*Abstracts in conferences' proceedings (1987-2022; 116 abstracts)*

*Recent abstracts (2011,2012, 2014, 2015,2017,2018,2019,2020, 2021,2022,2023)*

1. Sabarni Chakrabarty, and **Somnath Gangopadhyay**

A Questionnaire Study of Physical Health among Women Engaged in Chikan Embroidery in West Bengal. Proceedings of the International Conference on Molecules to Systems Physiology: 100 Years Journey, ICMSP 100, Kolkata, September 21-23, 2011, pp 163.

2. Krishnendu Sarkar, Tamal Das, Samrat Dev and **Somnath Gangopadhyay**  
Prevalence of musculo skeletal disorders among the manual material handling workers – a pilot study. Proceedings of the International Conference on Ergonomics and Human Factors (HWWE 2012), Pantnagar, Uttarakhand, 6 - 8 December 2012
3. Sabarni Chakrabarty and **Somnath Gangopadhyay**  
Prevalence of neck pain among chikan embroidery workers of west Bengal. Proceedings of the International Conference on Ergonomics and Human Factors (HWWE 2012), Pantnagar, Uttarakhand, 6 - 8 December 2012
4. Krishnendu Sarkar, Tamal Das, Samrat Dev and **Somnath Gangopadhyay**  
Ergonomics study on accidents among manual material handling workers of central market area. Proceedings of the 100<sup>th</sup> Indian Science Congress, Kolkata, January 3- 7 2013
5. Sabarni Chakrabarty and **Somnath Gangopadhyay**  
An Ergonomics Study on repetitiveness and entire work process of the Chikan Embroidery workers of West Bengal. Proceedings of the 100<sup>th</sup> Indian Science Congress, Kolkata, January 3- 7 2013
6. Krishnendu Sarkar, Tamal Das, Samrat Dev and **Somnath Gangopadhyay**  
Effects of low back pain and neck pain on the health status of the porter of central market area of kolkata. Proceedings of the International Conference on Ergonomics and Human Factors (HWWE 2013), Vidyasagar University, Midnapore, West Bengal, 4-6 December 2013
7. Sabarni Chakrabarty and **Somnath Gangopadhyay**  
Assessment of mental fatigue among chikan embroidery workers of West Bengal. Proceedings of the International Conference on Ergonomics and Human Factors (HWWE 2013), Vidyasagar University, Midnapore, West Bengal, 4-6 December 2013
8. Krishnendu Sarkar, Tamal Das, Samrat Dev and **Somnath Gangopadhyay**  
Ergonomics study on upper body musculoskeletal disorder among manual material handling workers of central market area. Proceedings of the 100<sup>th</sup> Indian Science Congress, Kolkata, February 3-7 2014
9. Sabarni Chakrabarty and **Somnath Gangopadhyay**  
A Study on the Physical and Mental Health Status of the Women Engaged in Chikan Embroidery in West Bengal. Proceedings of the 22<sup>nd</sup> West Bengal State Science & Technology Congress Organized by Department of Science and Technology, Govt. of West Bengal Hosted by University of North Bengal, February 28 & March 01, 2015, pp MPH-29.

**10. Krishnendu Sarkar, Samrat Dev, Tamal Das and Somnath Gangopadhyay**  
Prevalence of musculo skeletal disorders among the manual material handling workers of West Bengal. Proceedings of the 22nd West Bengal State Science & Technology Congress Organized by Department of Science and Technology, Govt. of West Bengal Hosted by University of North Bengal, February 28 & March 01, 2015, pp MPH-20

**11. Samrat Dev and Somnath Gangopadhyay**  
Ergonomics study on the effect of work related musculo skeletal disorder (MSD) among bus conductors of West Bengal. Proceedings of the 22nd West Bengal State Science & Technology Congress Organized by Department of Science and Technology, Govt. of West Bengal Hosted by University of North Bengal, February 28 & March 01, 2015, pp MPH-30

**12. Arunabha Bandyopadhyay and Somnath Gangopadhyay**  
Prevalence of musculoskeletal disorders among the Trammers of the unmechanised underground coal mines of Eastern coalfield of India. Proceedings of FIPS-PHYSICON-2015 held in Calcutta at University of Calcutta from 18<sup>th</sup> -20<sup>th</sup> December 2015

**13. Sabarni Chakrabarty and Somnath Gangopadhyay**  
An Ergonomic Study on Upper Extremity Musculoskeletal Discomfort among Chikan Embroidery Workers of West Bengal, India. Proceedings of PSPHYSICON-2015 held in Calcutta at University of Calcutta from 18<sup>th</sup> -20<sup>th</sup> December 2015

**14. Bhattacharya D., Gangopadhyay S., and Sikdar M.** Comparative Study on the Effects of Electromagnetic Radiation Emitted from Mobile Phone of Different Time Schedule on the Haematological Parameters of Swiss Albino Mice and the Modulatory Role of High Protein Diet in Reversing such Changes. **Abstract volume of 2<sup>nd</sup> Regional Science and Technology Congress, section of Physiology, 2017; 290.**

**15. Bhattacharya D., Gangopadhyay S., and Sikdar M.** A Study on the Effects of Electromagnetic Radiation Emitted from Mobile Phone on the Haematological Parameters of Swiss Albino Mice and the Facilitatory Role of High Protein Diet in Reversing Such Changes. **Proceedings of 104<sup>rd</sup> Indian Science Congress Association, section of Medical sciences including Physiology, 2017; 127 – 128.**

**16. Bhattacharya D., Gangopadhyay S., and Sikdar M.** Effect of High Protein Diet on the Hepatic cells of Swiss Albino Mice Exposed to Mobile Phone Radiation. Proceedings of 105<sup>th</sup> Indian Science Congress Association, section of Medical sciences including Physiology, 2018; 112 – 113.

**17. Somnath Gangopadhyay** in the session of Small Scale Enterprises and Informal Sector. Abstract number 292. Interventions in informal sectors: a participatory ergonomics approach Abstract published on line in the Journal of Occupational and Environmental Medicine, Volume 75, Suppl issue 2, 2018

18. **Somnath Gangopadhyay** in the session of Construction Occupational Safety and Health. Abstract number 1657b. Ergonomic assessment of arc welding job  
Abstract published on line in the Journal of Occupational and Environmental Medicine, Volume 75, Suppl issue 2, 2018

19. **Somnath Gangopadhyay**, Sayantika Das, Shreya Sinha, Santi Ranjan Dasgupta, Subrata Goswami in the session of Musculoskeletal Disorders  
Abstract number 293. Investigation on the prevalence of musculo-skeletal disorders among jute mill workers in india. Abstract published on line in the Journal of Occupational and Environmental Medicine, Volume 75, Suppl issue 2, 2018

20. T. Ghosh, Somnath Gangopadhyay, Banibrata Das  
Abstract number 35. Effect of Ergonomic Intervention on Health and Safety of Informal Workers at India. Abstract published in the Indian Journal of Occupational and Environmental Medicine, Volume 24, Suppl issue 4, 2020

21 **Somnath Gangopadhyay** and Souti Das  
Plenary Abstract topic : Impact of COVID-19 on Indian informal sectors and informaleconomies. Delivered on line on 2<sup>nd</sup> December 2021  
**Published in the book of Abstract of 19th International Conference on Humanizing Work and Work Environment (HWWE2021)** Organized by the Department of IIT Guwahati, during 1<sup>st</sup> -3<sup>rd</sup> December 2021 (online).

22. **Somnath Gangopadhyay**, Sayantika Das, Subhankar Banerjee and Souti Das  
Occupational Ergonomics and Industrial Hygiene for Evaluation of Health-Related Hazards in Informal Sectors and SMEs. Presented at the Special Session 5 Development of Basic Occupational Health Services, more needed than ever of International Congress on Occupational Health 2022. Organized by International Commission on Occupational Health. 6 to 10 February 2022. Melbourne-Rome Global Digital Congress.  
Abstract published in Safety, Health @ Work. 2022 : 13 S19-S20.

23. **Somnath Gangopadhyay** and Sayantika Das  
Assessment of fatigue and its effect on work ability of PostalWorkers of India Post during Wave I and II of COVID 19 – A comparative study. Presented at the International Congress on Occupational Health 2022. Organized by International Commission on Occupational Health. 6 to 10 February 2022. Melbourne-Rome Global Digital Congress.  
Abstract published in Safety, Health @ Work. 2022 : 13 S181-S182.

24. Subhankar Banerjee, Sanjit Dey and **Somnath Gangopadhyay**. **Detection of Biases and Inconsistencies in Self-reported Scale of Product Preference Assessment**, page no: Indian Science Congress Abstract Book and Poster Presentation, 3-7 January 2023

25. Subhankar Banerjee, Sanjit Dey and **Somnath Gangopadhyay**. **Does Pragmatic Quality Outrun Hedonic Quality on Purchase Preference of User-Driven Products?** Regional Science and Technology Congress Abstract Book, 4-5 January 2023, Page no: 197,

26.Sayantika Das and **Somnath Gangopadhyay**. **Assessment of Cognitive status among postal workers of India- Before, During and After COVID-19 Pandemic**. Regional Science and Technology Congress Abstract Book and Oral Presentation, 4-5 January 2023, Page no: 198

27.Kartik Shaw, Tamal Ghorai, Payel Das, Tapomoy Chatterjee, **Somnath Gangopadhyay** and Sahana Mazumder. **Green silver Nanoparticles Prepared Using Tusli (Ocimum sanctum) Leaf Extract And Its Antibacterial Property Against Clinical MDR Staphylococcus aureus**. Regional Science and Technology Congress Abstract Book and Oral Presentation, 4-5 January 2023, Page no: 199

28.Soumyadeep Mukhopadhyay, Soma Das and **Somnath Gangopadhyay**. **Effects of Hatha Yoga Intervention on Young Male foot ball Players: A Pilot Study**. Regional Science and Technology Congress Abstract Book and Oral Presentation, 4-5 January 2023, Page no: 202

29.Debajyoti Bhattacharya, Prerona Biswas, **Somnath Gangopadhyay**, and Mausumi Sikdar (nee Bhakta). **A Comparative Study on the Reversible Effect of Electromagnetic Radiation Emitted from Mobile Phone on the Renal and Hepatic systems of Swiss Albino Mice and the Facilitatory Actions of the High Protein Diet**. Regional Science and Technology Congress Abstract Book and Oral Presentation, 4-5 January 2023, Page no: 205