



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

Vol. 27

October - December 2023

No. 4

Editorial Board Members

| | | |
|-----------------------|--------------|--|
| A. K. Ganguli | Kolkata | akganguli (at) rediffmail (dot) com |
| Debkumar Chakraborti | Guwahati | debkumarchakrabarti (at) gmail (dot) com |
| Prakash Chandra Dhara | Midnapur, WB | prakashcdhara (at) gmail (dot) com |
| R Iqbal | Mumbai | rauf (dot) isec (at) gmail (dot) com |
| Dhurjati Majumdar | Delhi | majum55 (at) yahoo (dot) com |
| Chandan Kumar Pradhan | Kolkata | ckpradhan (dot) ise (at) gmail (dot) com |
| Debashish Sen | Kolkata | devashishsen_12 (at) yahoo (dot) co (dot) in |

CONTENTS:

- * [Welcome New Members](#)
- * [HWWE 2023 - Report](#)
- * [Achievements](#)
- * [Awards](#)
- * [Publications](#)
- * [Patents](#)
- * [Member Activities](#)
- * [OHCOW Webinars](#)
- * [International Ph.D. opportunities](#)
- * [IEA 2024](#)

Forthcoming National & International events:

- * [IEA 2024](#)
Triennial Conference of the International Ergonomics Association (IEA),
Jeju Island, South Korea
25-29 August 2024

ISE is online at: <https://ise.org.in/>

For your security, ensure that you can view the padlock symbol  and <https://ise.org.in> on the web address before you enter



Welcome New members!

ISE Newsletter cordially welcomes the following new Life Members:



- L-530 Anirban Nandy, Jamshedpur
- L-531 Naveen Kumar, Dehradun
- L-532 Souti Das, Chennai
- L-533 Mustafijur Rahaman, Noamundi
- L-534 Makkhan Lal Meena, Jaipur
- L-535 Palak Chawla, Gurugram
- L-536 Hridishruti Saikia, Jorhat
- L-537 Sugata Das Kumar, Kolkata

HWWE 2023



The 4th Asian Conference on Ergonomics and Design (ACED) jointly with Humanizing work and work Environment (HWWE) & BRICSplus HFE Conference 2023

Indian Institute of Management (IIM) Mumbai successfully organized the 4th Asian Conference on Ergonomics and Design Jointly with Humanizing Work and Work Environment (HWWE) & BRICSplus HFE Conference 2023 held during 14-16th Dec 2023. This international joint conference was attended by about 250 participants, comprising faculty, students, scientists, and researchers from India as well as abroad. The Young Researchers Award competition was also held on the same day, where 09 researchers participated from different parts of India and some of the foreign countries.



The conference was inaugurated on 14th Dec, 2023 by the Conference Patron, Prof. Manoj Kumar Tiwari, President of ACED Prof. **A K. Ganguli**, President of IEA Prof. Orlando Gomes, President of ISE Prof. **Debkumar Chakrabarti**, Prof. Myung Hwan Yun from Seoul National University, South Korea. The Conference Chair and Co-Chair were Prof. **Rauf Iqbal** and Prof. **Vivek Khanzode**.



The main conference was preceded by the ACED Council Meeting held on 13th Dec 2023.



* Awards

IEA Kingfar Student Award



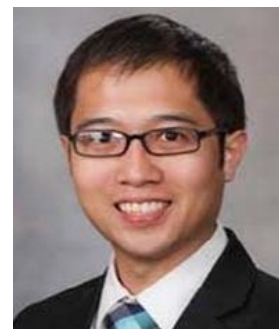
Subhankar Banerjee of the Occupational Ergonomics Laboratory, Dept. of Physiology, University of Calcutta has won the **IEA/Kingfar Student Award**. This award is given annually in recognition of outstanding Student Research in Human Factors / Ergonomics issues. The purpose of the award is to significantly promote and reward high-quality original research and applications for new and emerging HFE issues or issues specifically related to industrially developing countries (IDCs), as well as to promote a career path in HFE. The award consists of a monetary prize of \$1,000.

IEA Tsinghua Award



Prof **Pradip Kumar Ray** and Prof **Denny Yu**, being the faculty members of the Indian Institute of Technology, Kharagpur (IIT-Kharagpur), India (Department of Industrial and Systems Engineering) and Purdue University, USA (School of Industrial Engineering) respectively, have been selected for the **IEA Tsinghua Award** given annually to honour researchers and educators who have made significant and outstanding contributions to the success of post-graduate educational programmes that have Human Factors / Ergonomics (HFE) in their curriculum, through international and/or inter-regional collaboration.

Professors Ray and Yu have been collaborating over the past four plus years on enriching their respective human factors programs with cross-cultural influences across both India and the United States. The international aspects truly sets their program apart and makes it worthy of recognition among the top internationally collaborative programs in the world. The award consists of a monetary prize of \$4,000.



Alexander C. Williams Jr., Design Award 2023

Mr. **Gurdeep Singh**, a Ph.D. Scholar of the Department of Design, IIT Guwahati, has been awarded the Human Factors and Ergonomics Society (HFES), the United States of America's most prestigious **Alexander C. Williams Jr., Design Award 2023** at the 67th Annual Meeting held at Washington D.C., U.S. from 23-27 October 2023. He is the **first international recipient** to receive this prestigious award since its inception in 1969.

Established in 1969, this award recognizes individuals or groups of individuals who have made outstanding contributions to the conception or design of any product, service, or system that has had a significant impact on users and exemplifies the excellent use of empirical human factors/ergonomics design principles.



Mr. Gurdeep Singh's exceptional contributions to the Occupational Safety and Health (OSH) through his innovative design interventions in the Fast-Moving Consumer Goods (FMCG) sector have been well acknowledged globally. This work is a part of his ongoing Ph.D. titled "Innovative Design Interventions to Address Safety-related Issues in FMCG Industrial Shopfloor: Ergonomics Perspective". Prof. (Dr.) **Sougata Karmakar**, Professor and Head, Department of Design, is his Ph.D. Supervisor.

Ergonomics Practitioner of the Year Award 2023



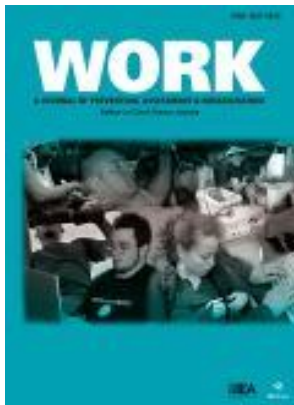
Prof. **Rauf Iqbal** from IIM Mumbai wins the "Ergonomics Practitioner of the Year Award 2023" by FPE, USA, for outstanding work in Ergonomics. The winners were revealed at the Annual Meeting of HFES.

The Foundation for Professional Ergonomics (FPE) initiated the annual award to recognize colleagues who have demonstrated outstanding contributions to the practice of ergonomics through their professional lifetime achievements and/or specific implementation projects.

* Publications

Banibrata Das 'Work-related Musculoskeletal Disorders in Agriculture: Ergonomics Risk Assessment and Its Prevention among Indian Farmers'. Work. 2023; 76(1): 225-241.

DOI: 10.3233/WOR-220246



Farmers suffer from musculoskeletal disorders in various body parts (lower back, knee, neck, shoulder, and upper back) due to squatting, stooping, and other constrained working postures during agricultural activities. prolonged working hours, repetitive movements, and MMH are ergonomic risk factors for MSDs.

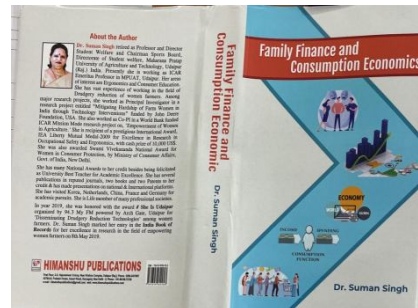
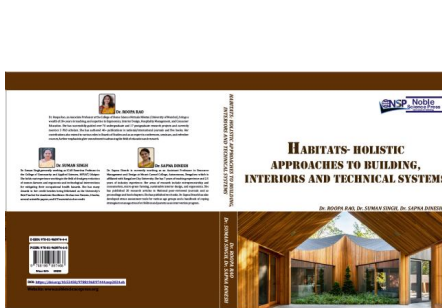
C.Vigneshkumar's research work titled "Digital Technologies (DTs) for Safety Education and Training in Construction has been recently published in the WORK Journal. The full paper can be accessed in: <https://content.iospress.com/articles/work/wor220698>

He also received a Postdoctoral Fellowship from The Hongkong Polytechnic University (QS ranking 65), and will be associated with the School of Design from February 1, 2024.

Prof. Dr **Suman Singh**, ICAR Emeritus Professor, CCAS, MPUAT, Udaipur attended the 35th Biennial Conference of Home Science Association of India (HSAI) College of Community Science, CAU, TURA, Meghalaya, on 'Multidisciplinary Approaches in Home and Community Sciences for Sustainable Development (17-19 January 2024).

Her three books were released by Smt. Agatha K. Sangama, Hon'ble Member of Parliament, West Garo Hills, Meghalaya and Shri Kamakhya Prasad Tasa, Hon'ble Member of Parliament in Rajya Sabha, Assam in HSAI conference at Shillong, entitled,

1. Family Finance and Consumption Economics.
2. RM- ASSETS (Resource Management Advancements and Strategies for Education and Transformation).
3. HABITATS- Holistic Approaches to Buildings, Interior & Technical Systems.



Resource Management: Advancements and Strategies for Education and Transformation (RM: ASSET)

by Dr. Suman Singh, Dr. Sapna Dinesh and Dr. Roopa Rao

| | |
|---------|---|
| Biblio | : 2024, xix + 512p, fig., tble., indx., col., 25 cm |
| Binding | : Hard Back |
| Height | : 15.00 cm |
| Width | : 25.00 cm |
| Imprint | : International Books & Periodicals Supply Services |
| Year | : 2024 |
| ISBN | : 978-81-19105-40-3 |
| Price | : 4950.00 |

ABOUT THE BOOK

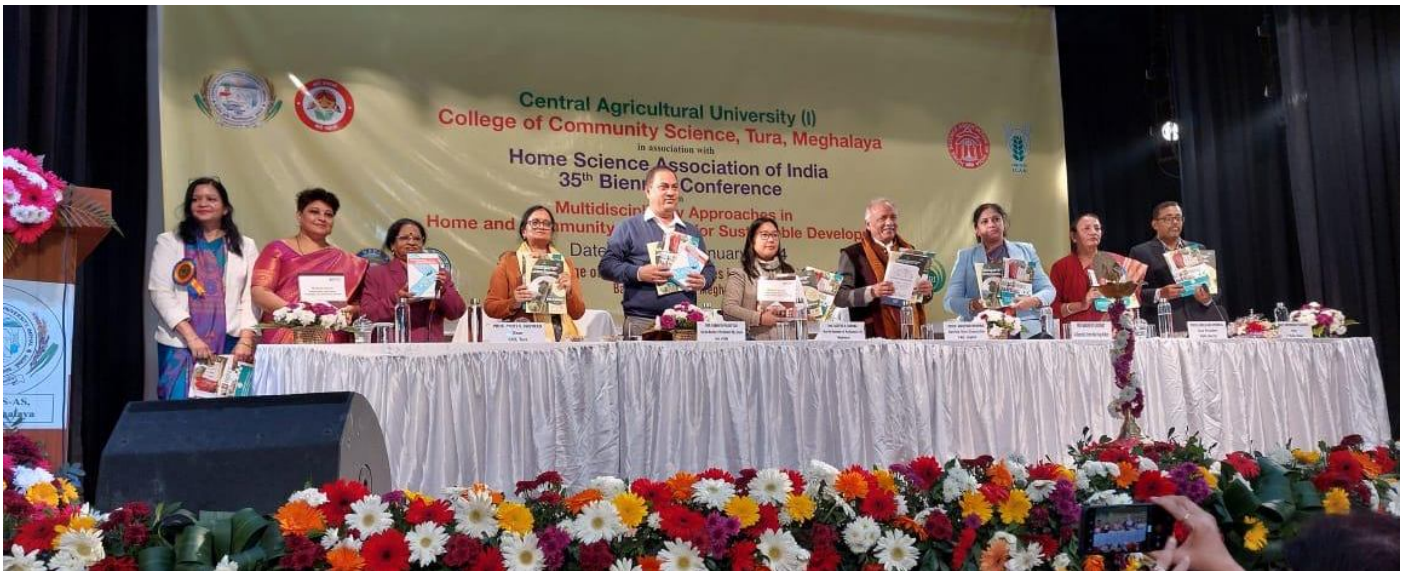
"Resource Management: Advancements and Strategies for Education and Transformation (RM: ASSET)" stands as an indispensable guide tailored not only for students of resource management but also for enthusiasts seeking expansive across diverse specializations like Community Science, Commerce, and MBA programs. Curated by esteemed professors from premier elite and top-ranked universities, this comprehensive book offers extensive coverage of crucial subjects. With a blend of practical and theoretical insights designed to meet diverse educational needs, the book offers a holistic comprehension of resource management. Through insights from leading experts, it delves deep into essential practices, trends, & core principles vital for aspiring professionals in the dynamic domain. Simultaneously, the editors are meticulously crafting "HABITATS," a complementary volume exclusively focusing on interior design and associated subjects. Together, these publications emphasize our dedication to holistic education, addressing the evolving needs of both students and faculty across various disciplines. This invaluable resource empowers readers to grasp the complexities of resource education, conservation, and optimization. We extend a warm invitation to faculty and students from varied specializations to embark on this enlightening journey with our publications. These books promise transformative insights that merge academic knowledge with practical applications, fostering deeper understanding of Resource Management and Interior Design for a brighter, more sustainable future.

CONTENTS

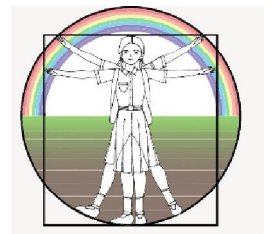
1. Introduction to Resource Management; 2. Effective Leadership, Communication and Motivation; 3. Role of Decision-making in Management; 4. Energy Management; 5. Human Resource Management; 6. Consumer Behaviour and Marketing Management; 7. Consumer Awareness and Education in India; 8. Family Budget and Credit Management; 9. Financial Planning; 10. Disaster Management: Preparedness, Response and Recovery; 11. Sustainable Development Through Energy Conservation; 12. Entrepreneurship and Resource Management; 13. Exploiting Contemporary Research and Trends in Resource Management

For Any enquiry / Order to: **International Books & Periodical Supply Service** (Publisher of Scientific, Book) 36, NISHANT KUNG, PITAMPURA MAIN ROAD, DELHI-110048 (India) Phone: +91-11-27320276, Mobile: +9199104811, E-mail: ibps@ibpsbooks.com

Dr Suman Singh was also an Expert in a Panel discussion on the topic, 'Multidisciplinary Approaches in Home and Community Sciences- The Way Forward.'



Vinod Gupta, CEO of Opus Indigo Designs Pvt. Ltd. has published a small booklet "Ergonomic Guide for Indian Schools" which is available at <https://www.opusindigo.com/ergonomic-guide-for-schools/>

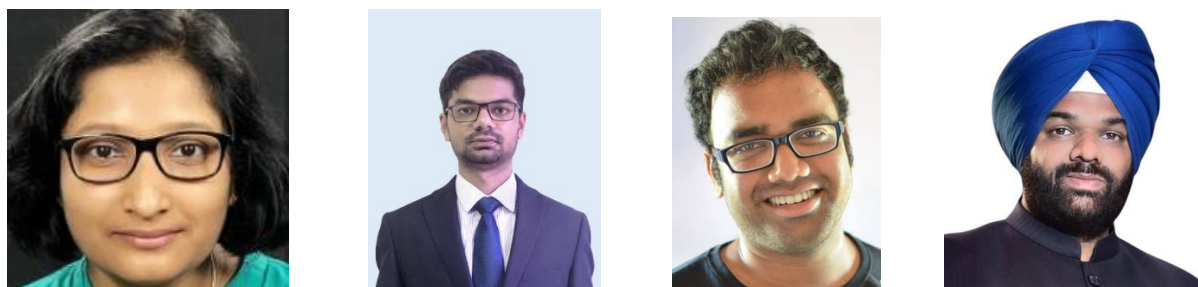


Indian Utility Patent titled ‘**Ergonomic Floating Device**,’ Patent Number: 443590 has been granted to Mr. **Jitesh Singh Chauhan**, Mr. **Gurdeep Singh**, Mr. Hijam Jiten Singh, and Prof. Dr. **Sougata Karmakar** of Ergonomics Laboratory, Department of Design, IIT Guwahati, Assam, India on 08th August 2023 by the Indian Patent Office (IPO). This is part of Mr. Jitesh Singh’s doctoral (Ph.D.) research project entitled ‘Design and development of assistive products for harvesting of aquatic food-crop (water-chestnut): A user-centered design approach.’ under the supervision of Prof. Dr. Sougata Karmakar.

Jitesh’s research pertains to ergonomics and human factors interventions in the aquatic agriculture field, more particularly towards the harvesting of water chestnut crops in North-east India.



Indian Utility Patent titled ‘**Ergonomically modified hedge scissor with various working heights**,’ Patent Number: 470023 has been granted to Dr. **Swati Pal** (IDC, IIT Bombay), Mr. **Jitesh Singh Chauhan**, Mr. **Chirapriya Mondal**, Dr. K.C.P. Paraasaram and Mr. **Gurdeep Singh** of Ergonomics Laboratory, Department of Design, IIT Guwahati, Assam, India on 17th November 2023 by the Indian Patent Office (IPO).



A design Patent has been granted to Professor **Suman Singh**, ICAR Emeritus Professor, MPUAT, Udaipur and to her student Dr Geetanjali Waiker, for "**A table and Stool for Sorting and Grading Cashew Nuts.**"



* Member Activities

Symposium on Occupational Health Issues among Workers of Informal Sectors



A symposium on Occupational Health Issues among Workers of Informal Sectors: a Physiological Perspective was organized by Prof. **Somnath Gangopadhyay** at the 10th Federation of the Asian and Oceanian Physiological Societies (FAOPS) Congress from 1 to 4 November 2023 at EXCO, Daegu, Korea. Apart from Prof. **Somnath Gangopadhyay**, the other speakers at the symposium were Prof. **Prakash Chandra**

Dhara, Dr. Alok Chattopadhyay and Dr. Amit Bandyopadhyay.

* OHCOW Webinars



OHCOW announces the return of our free annual international event focused on Repetitive Strain Injuries and their prevention. Now in its 25th year, OHCOW's RSI Day program continues to translate the knowledge and experience of our professional staff and guest speakers to

increase awareness and prevention of musculoskeletal disorders.

Due its ever-expanding audience, this year's event will again be held virtually, as a 4-week webinar series over the month of February. Registration for this free event is required in order to participate. For a detail agenda, dates, times, and registration please follow the link below.

<https://www.ohcow.on.ca/ohcow-events/repetitive-strain-injury-rsi-day/>

* International Masters and Ph,D Programmes



Ph.D. recruitment is ongoing at the Tsinghua University, and the deadline for the second round is 1st March 2024, and for the third round is 1st May 2024.

More details can be found about the international Master's programs and the Ph.D. program in the department of Industrial Engineering at Tsinghua University using the links below:

https://www.ie.tsinghua.edu.cn/eng/Admission/Master_s_Program.htm

https://www.ie.tsinghua.edu.cn/eng/Admission/Ph_D_Program.htm

For further information, please feel free to contact Mrs. Haitao WANG

wanght0316@mail.tsinghua.edu.cn



22nd Triennial Congress of the International Ergonomics Association (IEA)
Jeju, South Korea
25 – 29 August 2024

The 22nd Triennial Congress of the International Ergonomics Association (IEA) will be held in Jeju, South Korea, from 25th – 29th August 2024 (Sunday – Thursday). The Ergonomics Society of Korea (ESK) and the Korea Occupational Safety and Health Agency (KOSHA) are the hosts. The venue will be the **ICC at Jeju Island**. IEA2024 will be held jointly with INCOSE HSI 2024, the 3rd International Conference on Human Systems Integration (HSI) of the International Council on Systems engineering (INCOSE).

It promises to be an exceptional event for both HFE academics, practitioners, and other interested partners. The program will include a wide range of sessions, workshops, panel discussions, plenary sessions, and other activities, and stretch from traditional HFE themes to new areas of interest and future perspectives. It will offer a wide range of opportunities for personal contact, including special events for students and early career professionals. The venue will be on Jeju Island, a very popular and beautiful tourist destination, with sustainability and environmental protection being a priority. The island can be reached directly from several neighbouring countries as it has an international airport. Paper submission is now open!



🔗 Submission Deadlines and Notifications

Authors have the flexibility to choose between two submission deadlines (Rounds 1 and 2) for their submissions. All submissions will be peer reviewed by multiple reviewers.

| | |
|---|---------------------------|
| Proposal Submission, Round 1 | Sep 15 2023 – Oct 31 2023 |
| Proposal Acceptance Notification, Round 1 | Nov 30 2023 |
| Proposal Submission, Round 2 | Nov 1 2023 – Feb 29 2024 |
| Proposal Acceptance Notification, Round 2 | Mar 15 2024 |
| Full Paper Submission (optional) | Jan 1 2024 – Apr 15 2024 |

Congress website: <http://iea2024.com/>