BRIEF CURRICULUM VITAE

In-Ju Kim, PhD

Academic Qualifications

1. PhD: Majored in Ergonomics, Biomechanics, and Safety Engineering
   Faculty of Health Sciences, University of Sydney, Sydney, Australia
2. MSc (transferred to a PhD Course at the University of Sydney): Majored in Ergonomics, Biomechanics, and Safety Engineering, School of Risk and Safety Sciences, Faculty of Science, University of New South Wales, Sydney, Australia
3. MBA: Double Majored in 1) Industrial Engineering (Ergonomics and Human Factors Engineering) and 2) Management Information System, Graduate School of Business Administration, Dan-Kook University, Seoul, Korea
4. Teacher's License for Engineering Education, Ministry of Education, Seoul, Korea

Employment History

06/2020 - Present:	Associate Professor Department of Industrial Engineering and Engineering Management College of Engineering, University of Sharjah, Sharjah, United Arab Emirates
09/2016 - 05/2020:	Assistant Professor Department of Industrial Engineering and Engineering Management College of Engineering, University of Sharjah, Sharjah, United Arab Emirates
11/2013 - Present:	Invited Industry Consultant, Expert Connect, Austin, TX, USA
09/2015 - 08/2016:	Assistant Professor Department of Industrial Engineering, College of Engineering, King Saud University, Riyadh, Saudi Arabia
02/2013 - 08/2015:	Assistant Professor Department of Physical Therapy, College of Applied Medical Sciences, University of Dammam, Saudi Arabia
08/2011 - 02/2013:	Industry Consultant, Safety Research and Solutions, Australia
07/2009 - 07/2011:	Senior Research Fellow, Division of Safety Research, National Institute for Occupational Safety and Health, USA
08/2007 - 06/2009:	Consultant, Safety Research and Solutions, Australia
08/2005 - 12/2007:	Industry Consultant, Healthcare Council, Gerson Lehman Group, USA
01/2003 - 08/2005:	Research Fellow, School of Sport and Health Sciences, University of Exeter, UK
08/2002 - 12/2002:	Casual Teaching Staff, Faculty of Health Sciences, University of Sydney, Australia
07/2001 - 12/2002:	Research Associate, Faculty of Health Sciences, University of Sydney, Australia

Teaching Experience

- Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
  1) Postgraduate Course:
     * Special Topics in Construction Management (Applied Ergonomics)
  2) Undergraduate Course:
     * Design for the Environment & Safety Engineering
     * Safety for Engineers
     * Ergonomics & Work and Process Improvement and Labs
     * Human Factors & Ergonomics
     * Special Topics in Industrial Engineering (Occupational Biomechanics)
- Department of Physical Therapy, University of Dammam, Saudi Arabia
  1) Postgraduate Course:
     * Sports Biomechanics and Sports Engineering (Foundation in Sports Physical Therapy)
     * Motion Analysis (Objective Measurements in Musculoskeletal Physical Therapy)
  2) Undergraduate Course:
     * Biomechanics and Biomechanics Labs
     * Kinesiology and Kinesiology Labs
- School of Sport and Health Sciences, University of Exeter, UK
     * Postgraduate Course: Sport injury biomechanics (I &II) (course-coordinating)
     * Undergraduate Course: Kinesiology and Biomechanics & Labs

- School of Exercise and Sport Science, University of Sydney, Australia
  1) Undergraduate Course: Ergonomics, Biomechanics, Kinesiology, Functional Anatomy

Supervising Experience

1) Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates:
   - Master Students' Thesis:
     a) Omar Hassan Omar: "Development of a FEM model for the Understanding of a Shoe-Floor Traction Properties: Application for Ablution Floors in Mosques". (Fall Semester 2020 - Present)
     b) Monia Ashraf Ahmed Megahed: "Multidisciplinary Approaches for the Prevention of Fall Incidents in the Community-Dwelling Elderly People". (Fall Semester 2020 - Present)
   - Master Students' Projects:
     a) Huda Aljasmi: "Window Energy Efficiency in Sharjah (UAE): Determining Factors and Energy-Saving Strategies". (Spring Semester 2020 - Present).
     b) Najla Aljewaied: "Adapting and reusing of heritage buildings". (Spring Semester 2020 - Present)
     c) Fatima Alketbi: "Ergonomic Approaches to the Prevention of WMSD Risks: A Case Study from a Local Sharjah Industry". (Spring Semester 2020 - Present)
     d) Shamma Ahmad Abdulla Yousuf Lootah: "Application of the Concept of Internet of Things for a Communication Company". (Completed on Fall Semester 2019)
     e) Nada Abdalla Mohamed Abdelkarim Al-Ali: "Bowtie Risk Analysis for Project Delays in Transmission Power Division of DEWA". (Completed on Spring Semester 2019)
     f) Ahmad Issa Ahmad Al Hosani: "Age-friendly Design Innovations for the Urban Environments in Sharjah". (Completed on Spring Semester, 2019)
     g) Mohammad Abdallah Twalib: "Safety Culture Promotion to Achieve Best Practices in the Power Distribution Industry". (Completed on Spring Semester, 2018)
   - Senior Design Projects for the Undergraduate Students (Fall Semester 2019 - Spring Semester 2020):
     a) Morttha I. Hattab Al-Bahadeli, Mohamad K. Al Abed, Omar T.A.S.A.Z Alenezi, and Abdel Rahman Abu el Houf: "Bowtie Risk Analysis for the Safety Assessment of Sport Related Injuries and Fatigues".
     b) Ra'ad M. Mohammad Bakeer, Hasanain H. Jaafar Almaged, Fawaz J. Shehadeh Shalash, and Faisal H. Mousa Hammad: "An Intelligent Solution for the Safety Improvement of Petrol Stations".
     c) Mariam A. Ali Almadroub Aldhuhoori and Shamma R. Khamis Rashed Alshehhi: "Assessment of Occupational Safety and Health Implementations Based on ISO 45001:2018 - A Case Study on a Local Manufacturing Company".
   - Senior Design Projects for the Undergraduate Students (Fall Semester 2018 - Spring Semester 2019):
     a) Rinada Abbas Khamis Eldeeb, Amna Ahmed Alsalami, Jamila Mohamed Alhmoudi, and Aisha Mousa Aldarmaki: "Investigation of Slip, Trip and Fall Incidents at UAE Shopping Malls".
     b) Mohammad Taha Ibrahim, Sultan Mohammed Alsuwaidi, Maan Mohammed Al-Waidh, and Turki Anas M Almadani: "Development of a digital sensor system for assisting blind people crossing traffic signals and zebra crossings".
     c) Hazem Mohammad Qaddourah, Faisal Saeed Y. Alqahtani, and Abdifatah Mohamud Yusuf Alin: "Risk analysis of gas stations in Sharjah".
     d) Ahmed Magdy Hassouna, Asim Moustafa Mohamed Ali, Loiy Yousef Alatteili, and Talal H. A. Elsagga: "Implementation of DMAIC tool in an integrated waste management company".
     e) Shaikha Ali Alkhayyal, Maitha Ali Alsabahi, and Maitha Eisa Alhammadi: "Reducing Slips, Trips and Falls Caused by Slippery Ablutions Floors".
   - Senior Design Projects for the Undergraduate Students (Fall Semester 2017 - Spring Semester 2018):
     a) Marwa Hussain Almaazmi, Omnia Magdy Farouk, Marwah Abdo Hasan Ali, and Reem Abdalla Alowaid: "Safety Investigation of House Fire in Dubai and Sharjah Regions".
     b) Mohammad Ibrahim Aleiadeh, Ayham Majed Al Madi, Shaban Rami Abdel Gawad, and Zaharia Mohammad Mahmoud: "Risk Management Solutions for the Effective Operation of a Hospital Emergency Room".
     c) Mohammed N. Abu-Tahoun, Ammar Hassan Merie, Khalid Nasser Aldossary, and AbdulAala AbdulKarim Al Ashour: "Functional Improvements of a Dentist Chair - Ergonomic Approaches".
   - Senior Design Projects for the undergraduate students (Fall Semester 2016 – Spring Semester 2017):
     a) Noor Mohamad ElSayed, Shima Ebrahim Faghihi, and Nadin H. A. Alustath: "Ergonomic Assessments of Musculoskeletal Disorders Amongst the Water Delivery Workers".
     b) Atheer Salih Saad, Hisham A. H. Aldalis, Fouad Bashar Al-Alami: "Ergonomic Design Improvement for the Public Squatting-type Toilet System".

c) Anas Maher Azmeh, Ahmad Mahmoud Alsheikh, and Ali Mahdi A. Alsanad: "An Investigation of Crane Safety in Construction Industry: A Case Study".

Examiner for Student Research

1. Spring Semester 2020: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   1) Master Students' Thesis and Projects:
      - Mariam A. Karani: "The Impact of Project Management Information System (PMIS) on Project Performance: A Study in Multi-Projects Environment".
      - Eman A. Alnaqbi: "Assessment of a physically disabled student's accessibility in Public schools in the Emirates of Sharjah".
   2) Senior Design Project II for the undergraduate Students:
      - An Improvement to Pharmaceutical Transactions: Mohamed Moutaoukil, Mahmoud Yousry, Hussam Foudeh, and Omar Nabil.
      - A Study of Lean Production in a Sanitary Ware Factory: Maryam M. Wahba Ali, Reem Mohammed A. Ayyach, Hala B. O. Alagha, and Aseel Ahmed H. Abdelrazeq.
      - Safety of Construction Scaffolds: Shams Ammar Mahdi, Amna Abdelnasir, Asmaa Yousef, and Anood Mohammad Sharif.
      - Risk Management in Emaar International Glass and Aluminium Factory: Abdulrahman Ahmed, Ahmad Alabdulwahed, Abdulla Alham, and Humaid Almidfa.
2. Fall Semester 2019: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   3) Master Students' Thesis and Projects:
      - Mariam A. Karani: "Critical success factors of project mngt. inf. systems (PMIS) in simultaneous execution of multiple complex projects".
      - Eman A. Alnaqbi: "School accessibility for disabled students in UAE".
   4) Senior Design Project I for the undergraduate Students:
      - Safety of Construction Scaffolds: Shams Ammar Mahdi, Amna Abdelnasir Amin Abdelhussain, and Asma Yousef.
      - Transportation process improvement in a pharmaceutical distribution company: A DMAIC approach: Sara Ahmed M Othman Ali and Marwa Mohd O Ammoura.
      - Safety assessment of the main UoS campus building and facilities: Mohammad Nabeel M Qasim, Mo'tasem AAtieh Sobuh, Humam Munaf A Al-Nidawi, and Mohammad Khalid M Sweileh
3. Spring Semester 2019: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   1) Master Students' Thesis and Projects:
      - Yazan M. Ahmed Almomani: "The impact of OHSAS18001:2007/ISO 45001:2018 Certification in the companies".
      - Mohamed Khamis Alnaqbi: "Assessing Fall Risk Among ELV Workers in Construction Sites".
      - Anoud Mohamed Alnaqbi: "Adhering to Pre-Plan Safety Management System in Construction Projects in Dubai".
   2) Senior Design Project II for the Undergraduate Students:
      - Developing a Noise Management System at Zulal Water Factory: Fatema Adel Majed Alnuaimi, Shamma Mohamed Alqaydi, and Shaikha Rashed Alsalami.
      - Improving Patients Flow Times in Univ. Dental Hospital: A Simulation Study: Aya Osama Ahmad Taha, Sondos Ghazi Faisal Al-Ali, and Safa Mohammad Razmk.
      - Developing SMS at a Furniture Manufacturing Plant: Nadjet Mahious, Hamsa Ahmed Khalaf, Aseel M. Hasan AlHaj Ibrahim, and Noor Mustafa Asad Ersheid.
      - Operations Management of Bio-Products at Neutral Fuels: Alla Azhari Ahmed Osman, Kaltham Issa Mohamad Hassan, and Namarig Mohamed Ahmed.
   3) Co-op in Industry Projects:
      - Database Development to Enhance Production Part Approval Process: Dana Haddad.
      - Using Automation to Optimize Safety of Mobile Crane: Abdel Rahman (M. KH.) M. Abu El Houf.
4. Fall Semester 2018: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   1) Master Students' Thesis and Projects:
      - Rene Jouaret: "The Relation Between Fatigue and the Perceived Performance Deterioration Among Construction Workers".

- Ahmed Ali Amin Mohamed Alnemer: “Initiating SMS in a Food Industry Company”.

2) Senior Design Project II for the Undergraduate Students:
   - Monitoring and Modelling Consequences of Low Birth Rate: Hassan Zein and Mohammad Ra'ed Abu Shanab.
   - Evaluation of Safety Performance in Multiple Sociotechnical Organizations using the Theory of Planned Behaviour: Amal Hassan Murad, Alya Ahmed Alhouli, and Noof Mirza Ahmad.
   - Applying the Bow-Tie risk management technique to reduce risks of fatalities in high-building fires: Rakan Durgham Baker, Ahmed Ibrahim Khawaga, Mohannad Saleh Kanaan, and Hammad Issam Abu Shamat.
   - Integrated framework of quality control and DoE for minimizing defects in aluminum industry: Abbas Saeed Al Asil, Ahmed Mohammed Al Ifraid, AbdulAziz Muhamed Karmustaji, and Abdihalim AbdulKadir Sugule.

5. Spring Semester 2018: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   1) Master Students’ Thesis:
      - Khadija Hammadi: “Emergency Communication Management: A Study of Early Warning System in UAE”.
      - Fatima Mohamed: “Cue and occupant-based factors to identify people’s behavior in case of fire emergency”.
      - Ahmed Ali Amin Mohamed Alnemer: “Initiating SMS in a Food Industry Company “.
   2) Senior Design Project II for the Undergraduate Students:
      - Fatigue of Taxi Drivers in Sharjah: Alya Ali Abdelrahman Alsuwaidi, Aisha Mohamed Bushlaibi, Eman Obaid Alkaabi, and Maitha Saif Ibrahim Alsuwaidi
      - Auditing Innovation Management in Sharjah International Airport: Laith Hasan Alsharawneh, Ahmed Redwan Krikr, Ahmed Wael Elsayyid Aldakrouri, and Rami Oussama Alkabbani.
      - Designing optimized shift systems in industrial settings: Noura Salim Alteneiji, Alya Faisal Alsuwaidi, Maitha Hassan Alkhamiri, and Khadija Mohammed Al Tamimy.
      - A comparison study on the application of EWMA chart for monitoring bending process in a metal cutting industry: Alaa Mohammed Al Assaf, Ahmed Mahmoud Bahr, Osama Abdul Naser Mansour, and Abdullah Kamal Badawy.
      - Capacity Expansion and Productivity Improvement in a Metal Products Factory: Batool Mohamed Alamasi, Alreem Mohamed Alkhaaldi, Marah M. I. Kassab, and Norhan Khaled Aly.
      - Capacity Expansion and Productivity Improvement in a Metal Products Factory: Batool Mohamed Alamasi, Alreem Mohamed Alkhaaldi, Marah M. I. Kassab, and Norhan Khaled Farrag.
6. Fall Semester 2017: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   1) Master Students’ Thesis:
      - Khadija Hammadi: “Emergency Communication Management: A Study of Early Warning System in UAE”.
      - Fatima Mohamed: “Cue and occupant-based factors to identify people’s behavior in case of fire emergency”.
   2) Senior Design Project I for the Undergraduate Students:
      - Database project management application for a construction company: Eman Bader Jany, Atefah Mohammad Mortazavi, Sarah Ali AlNuaimi, and Asmaa Ibrahim Elghalban.
      - Assessment of attitudes towards safety in high-risk industries using the Theory of Planned Behaviour; Aviation as a case study: Abdul Rahman Kamal Al Ghadban, Ali Mohamed Alshamsi, Suood Adel Abdulrahim, and Abdalla Sultan Alshamsi.
      - Designing optimized shift systems in industrial settings: Noura Salim Alteneiji, Alya Faisal Alsuwaidi, Maitha Hassan Alkhamiri, and Khadija Mohammed Al Tamimy.
      - Design of stakeholder management framework for engineering projects in UAE: Firas Mohd Al Hamwi, Abdulaziz Saleh Abu Alfaraj, Abdulrahman M. Shabani, and Abdullah Burhan Al-Sammarraie.
      - Fatigue of Taxi Drivers in Sharjah: Alya Ali Abdelrahman Alsuwaidi, Aisha Mohamed Bushlaibi, Eman Obaid Alkaabi, and Maitha Saif Ibrahim Alsuwaidi.
7. Spring Semester 2017: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
   1) Master Students’ Thesis:
      - Khadija Hammadi: “Emergency Communication Management: A Study of Early Warning System in UAE”.

- Fatima Mohamed: "People's behaviour in case of fire emergency".

2) Senior Design Project I for the Undergraduate Students:
   - Database project management application for a construction company: Eman Bader Jany, Atefah Mohammad Mortazavi, Sarah Ali AlNuaimi, and Asmaa Ibrahim Elghalban.
   - Assessment of attitudes towards safety in high-risk industries using the Theory of Planned Behaviour; Aviation as a case study: AbdulRahman Kamal AlGhadban, Ali Mohamed Alshamsi, Suood Adel Abdulrahim, and Abdalla Sultan Alshamsi.
   - Designing optimized shift systems in industrial settings: Noura Salim Alteneiji, Alya Faisal Alsuwaidi, Maitha Hassan Alkhamiri, and Khadija Mohammed Al Tamimy.
   - Design of stakeholder management framework for engineering projects in UAE: Firas Mohd Al Hamwi, Abdulaziz Saleh Abu Alfaraj, Abdulrahman M. Shabani, and Abdullah Burhan Al-Sammarraie.
   - Fatigue of Taxi Drivers in Sharjah: Alya Ali Abdelrahman Alsuwaidi, Aisha Mohamed Bushlaibi, Eman Obaid Alkaabi, and Maitha Saif Ibrahim Alsuwaidi.

Editorial Board for Academic Journals, Publications and International Conferences

Editor and Editorial Board for Academic Journal, Book and International Conference:

1) Organizing committee: NANO2024 Conference in the UAE Engineering, Science, and Technology Division, Higher Colleges of Technology (HCT), June 2024.
2) Technical Program Committee: International Conference on Applied Physics and Chemistry of Solids (IAPCS 2020), Cambridge, UK: 08-09 Sept. 2020.
3) Guest Editor: Special Issue for "Sustainable Safety Development", Sustainability (Journal: IF 2.592): May 2020 - Feb. 2021.
4) Guest Editor: Edited Book Collection Titled "Understanding, Assessing and Preventing Fall Risks: Human Factors to Engineering Approaches', Cambridge Scholars Publishing Ltd., Newcastle Upon Tyne, UK: Apr. 2020 - Mar. 2021.
5) Editorial Advisory Board: Cambridge Scholars Publishing (UK): Dec. 2017 – Present.
6) Associate Editorial: The Ergonomics Open Journal (UAE): Dec. 2017 – Present.
7) Editor-in-Chief: Journal of Ergonomics (USA): Jan. 2017 – Present.
8) Editor: Open Journal of Safety Science and Technology (China): July 2016 – Present.
9) Chief Editor: Injury Prevention and Rehabilitation Research, Frontiers, Lausanne, Switzerland: July 2014 – Present.
9) Editor: Journal of Ergonomics (USA): Jan. 2014 – Dec. 2016
10) Invited Editor: 3rd Annual International Conference on Industrial, Systems and Design Engineering, 22-25 June 2015, Athens, Greece.
11) Steering Committee: RehabWeek 2021, Abu Dhabi, UAE.
12) Scientific and Organizing Committee: 12th Annual International Conference on Kinesiology and Exercise Sciences, 25-28 July 2016, Athens, Greece.
13) Scientific and Organizing Committee: 4th Annual International Conference on Industrial, Systems and Design Engineering, 20-23 June 2016, Athens, Greece.

Reviewer for Academic Journals

- Accident Analysis & Prevention
- Applied Ergonomics
- ASTM Special Technical Publication (STP)
- Cogent Engineering
- Construction & Building Materials
- Ergonomics
- Facilities
- Journal of Ergonomics
- International Journal of Industrial Ergonomics
- International Journal of Human Factors and Ergonomics
- Injury Prevention (British Medical Journal Group)
- International Journal of Ergonomics
- International Journal of Forensic Engineering and Management
- International Journal of Injury Control and Safety Promotion
- Industry Health
- Safety and Health at Work
- Safety Science
- Sustainability
- Tribology International

Selected Grant and Project Acquisition (Since 2017)

- Research Projects:

1) Feb. 2020: Competitive Research Project Grant - Awarded (Grant No.: 200204051143)
   Project Title: Multidisciplinary Approaches for the Prevention of Fall Incidents in the Community-Dwelling Elderly People of the United Arab Emirates
   Role: Principal Investigator
   Grant Body: University of Sharjah
   Amount: 80,000 AED
2) May 2019: Undergraduate Student Project Funding – Awarded (Ref. V.C.R.G. 1662/2019)
   Project Title: Safety Assessment of Local Shopping Malls in the United Arab Emirate: Fall Incidence Investigation and Prevention Strategies
   Role: Principal Investigator and Supervisor
   Grant Body: University of Sharjah
   Amount: 4,800 AED
3) Feb. 2019: Sharjah Research Academy (*In review*)
   Project Title: Development of Nanofiber and Nanotechnology-Based Coating Materials for Building Safer and Healthier Walking Environments: Prevention of Public Fall Incidents
   Role: Principal Investigator
   Grant Body: Sharjah Research Academy, Sharjah, United Arab Emirates
   Amount: 400,000 AED
4) Oct. 2018: KSA International Collaboration Project (*In review*)
   Project Title: Development of Innovative Antibacterial Solutions and Materials from Saudi environment for the Prevention of Healthcare-Associated Infections: Adaption of Nanobiotechnology
   Role: Co-Principal Investigator
   Grant Body: Ministry of Education, Kingdom of Saudi Arabia
   Amount: 1,796,000 SAR
5) Oct. 2017: Competitive Research Project Grant – Awarded (Grant No.: 1702040573-P)
   Project Title: Nanotechnology Application for the Improvements of Pedestrian Walkway Slip Resistance Performance
   Role: Principal Investigator
   Grant Body: University of Sharjah
   Amount: 80,000 AED
6) Sept. 2017: Equipment Grant – Awarded (P.O. No.: P0022406)
   Project Title: Joint movement analysis and measurements of EMG signals and force data under real-time conditions
   Role: Principal Investigator
   Grant Body: University of Sharjah
   Amount: 63,000 AED
7) Apr. 2017: Seed Research Project Grant – Awarded (Grant No.: 1702040565-P)
   Project Title: Identifying Pedestrian Fall Incidence and Its Safety and Health Impacts in the United Arab Emirate: A Pilot study
   Role: Principal Investigator
   Grant Body: University of Sharjah
   Amount: 40,000 AED

List of Publications

Books

1. Kim, I.J., 2021, "Engineering Metrology of Pedestrian Falls Prevention and Protection: Theories to Application for Designing Safer Shoes and Floors", Springer International Publishing AG., Switzerland. (*In progress*)
2. Kim, I.J., 2020, "Understanding, Assessing and Preventing Fall Risks: Human Factors to Engineering Approaches", Cambridge Scholars Publishing Ltd., Newcastle upon Tyne, UK. (*Invited Guest Edited Collection - In review*)
3. Kim, I.J., 2017, "Pedestrian Fall Safety Assessments: Improved Understanding on Slip Resistance Measurements and Investigations", Springer International Publishing AG., Gewerbestrasse 11, 6330 Cham, Switzerland. ISBN: 978-3-319-56241-4. (http://www.springer.com/gp/book/9783319562414)

Book Chapters

1. Kim, I.J., 2020, "Walkway Design Solutions for Safer Slip Resistance Performance", *Understanding, Assessing and Preventing Fall Risks: Human Factors to Engineering Approaches*, Cambridge Scholars Publishing Ltd., Newcastle upon Tyne, UK. Chapter 2. (*In process*)
2. Kim, I.J., 2020, "The Sine-Qua-Non for Slip Resistance Assessments of Footwear", *Understanding, Assessing and Preventing Fall Risks: Human Factors to Engineering Approaches*, Cambridge Scholars Publishing Ltd., Newcastle upon Tyne, UK. Chapter 1. (*In process*)
3. Kim, I.J., 2015, "Slip-Resistance Measurements for Assessing Pedestrian Falls: Facts and Fallacies", *Accidental Falls: Risk Factors, Prevention Strategies and Long-Term Outcomes,* Nova Science Publishers, Inc., Hauppauge, NY 11788, USA. Chapter 6, 105-125.
4. Kim, I.J., 2015, "Practical Design Search for Optimal Floor Surface Finishes to Prevent Fall Incidents", *Accidental Falls: Risk Factors, Prevention Strategies and Long-Term Outcomes,* Nova Science Publishers, Inc., Hauppauge, NY 11788, USA. Chapter 5, 80-103.
5. Kim, I.J., 2006, "A new paradigm for characterizing slip resistance properties", *International Encyclopedia of Ergonomics and Human Factors-2005*, Karwowski, W. (Ed.), 2nd Ed., Taylor & Francis Group/CRC Press, LLC, FL., USA, Chapter 530, 2735-2740.
6. Kim, I.J., 2006, "The current hiatus in fall safety measures", *International Encyclopedia of Ergonomics and Human Factors-2005*, Karwowski, W. (Ed.), 2nd Ed., Taylor & Francis Group/CRC Press, LLC, FL, USA, Chapter 498, 2572-2576.
7. Chang, W.R., Kim, I.J., Manning, D. P., and Bunterngchit, Y., 2003, The role of surface roughness in the measurement of slipperiness, *Measuring Slipperiness - Human Locomotion and Surface Factors*, Taylor & Francis/CRC Press, London, Chapter 5, 101-117.

Journals

1. Kim, I.J. and Bendak, S., 2020, "Slip and Fall Risk Assessment of Ablution Spaces in Mosques: A Field Study", *Facilities. (In review)*.
2. Kim, I.J., 2020, "Slip Resistance Measurements of Ablution Areas/Spaces in Mosques: Prevention of Prayers' Slip and Fall Incidence", A*dvances in Science, Technology and Engineering Systems Journal* (*Special Issue on Multidisciplinary Sciences and Engineering*). (*Invited – In progress*).
3. Kim, I.J., 2020, "A Preliminary Study on Safety Conditions for Ablution Spaces in Mosques from the Ajman, Dubai and Sharjah City Regions", *Advances in Science, Technology and Engineering Systems Journal* (*Special Issue on Multidisciplinary Sciences and Engineering*). (*Invited – In progress*).
4. Bendak, S., Al-Shammari, N., and Kim, I.J., 2020, "Fifty Years of Motor Vehicle Crashes in Saudi Arabia: A Way Forward", *American Journal of Preventive Medicine*. (*In review*).
5. Alkhaledi, K., Arnold, A., Means, K., Kim, I.J., and Bendak, S. 2020, "A Novel Multicriteria Decision-Making Model for Sustainable Stormwater Runoff Management". *Sustainability* (*Special Issue: Sustainable Safety Development*). (*In review*).
6. Kim, I.J., 2020, "Tribological approach for the safety assessment of flooring/walkway surfaces: Application for the prevention of pedestrian fall incidence", *Proceedings of the iMeche, Part J: Journal of Engineering Tribology*. (*In revision*).
7. Hegazy, F.A., Aboelnasr, E.A., Abdel-Azim, A.A., and Kim, I.J., 2020, "Validity and Diagnostic Accuracy of Clark's Angle to Discriminate Paediatric Flexible Flatfoot using radiographic findings as a criterion standard measure: A cross-sectional study", *Journal of the American Podiatric Medical Association*. (*Accepted*).
8. Kim, I.J., 2019, "Hospital Flooring Safety and Health: Knowledge Gaps and Suggestions", *International Journal of Occupational Safety and Ergonomics (JOSE)*. 1-20. DOI: 10.1080/10803548.2019.1688473.
9. Kim, I.J., 2018. "Understanding Friction and Wear Behaviours of Smooth Resilient Surfaces: Application for Pedestrian Fall Safety Improvements", *Advances in Materials Science and Engineering*. Vol. 2018, Article ID 3280279, 1-10. DOI: 10.1155/2018/3280279.
10. Kim, I.J., 2018. "Ergonomic Considerations and Actions for the Service Industry", *Journal of Ergonomics*. (*Accepted*)
11. Houshyar, E. and Kim, I.J., 2018, "Understanding Musculoskeletal Disorders among Iranian Apple Harvesting Laborers: Ergonomic and Stop Watch Time Studies", *International Journal of Industrial Ergonomics*. Vol. 67, 32-40.
12. Kim, I.J., 2018. "Ergonomic Intrusions for the Aging Industry and Workforce", *Journal of Ergonomics*. Vol. 8, Issue 2, DOI: 10.4172/2165-7556.1000e179.
13. Kim, I.J., 2018, "Investigation of Floor Surface Finishes for Optimal Slip Resistance Performance", *Safety and Health at Work*. Vol. 9, Issue 1, 17-24.
14. Kim, I.J., 2018. "Ergonomic Inputs for the Improvement of Safety and Health Exercises in the Mining Industry", *Journal of Ergonomics*. Vol. 8, Issue 1, DOI: 10.4172/2165-7556.1000e177.

15. Kim, I.J., 2018, "Investigation and interpretation of flooring wear developments for pedestrian fall safety assessments", *Tribology Transactions*. Vol. 61, Issue 1, 168-177.
16. Kim, I.J., 2017. "Ergonomic Endeavours to Enhancing Safety and Health in the Transportation Industry", *Journal of Ergonomics*. Vol. 7, Issue S6, DOI: 10.4172/2165-7556.1000.S6-e003.
17. Kim, I.J., 2017. "The Function of Ergonomics in Lean Manufacturing Design and Control", *Journal of Ergonomics*. Vol. 7, Issue 5, DOI: 10.4172/2165-7556.1000e172.
18. Kim, I.J., 2017, "Ergonomic Explorations for the Safety and Health Improvement in Hospital and Healthcare Professions", *Journal of Ergonomics*, Vol. 7, Issue 3, DOI: 10.4172/2165-7556.1000e167.
19. Kim, I.J., 2017 "The Role of Ergonomics for Construction Industry Safety and Health Improvements", *Journal of Ergonomics*. Vol. 7, Issue 2, DOI: 10.4172/2165-7556.1000e166.
20. Kim, I.J., 2016 "Workplace Violence and Ergonomic Concerns", *Journal of Ergonomics*. Vol. 6, Issue 5, DOI: 10.4172/2165-7556.1000e161.
21. Kim, I.J., 2016 "Ergonomic Challenges for Nanotechnology Safety and Health Practices", *Journal of Ergonomics*. Vol. 6, Issue 5, DOI: 10.4172/2165-7556.1000e159.
22. Kim, I.J., 2016 "Cognitive Ergonomics and Its Role for Industry Safety Enhancements", *Journal of Ergonomics*. Vol. 6, Issue 4, DOI: 10.4172/2165-7556.1000e158.
23. Kim, I.J., 2016 "Ergonomic Involvement for Occupational Safety and Health Improvements in the Oil and Gas Industry", *Journal of Ergonomics*. Vol. 6, Issue 3. DOI: 10.4172/2165-7556.1000e154.
24. Kim, I.J., 2016 "Accidents and Accident Prevention in the Agricultural Industry: Ergonomic Engagement", *Journal of Ergonomics*. Vol. 6, Issue 3. DOI: 10.4172/2165-7556.1000e153.
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