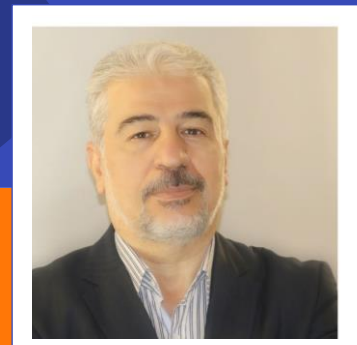




Academic and Research Resume of Faculty Members

Iran University of Medical Sciences
Public Health School



Personal Information

Full Name: Mohamad Sadegh Ghasemi

Academic Rank: Professor

Organizational Position: Dean of School of Public Health,
Head of Ergonomics Department

ORCID ID: 0000-0002-9382-0029

Field of Specialization: Ergonomics

Contact Information

Iran University of Medical Sciences,
School of Public Health – Department
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Biography

Strong educational foundation in teaching General Physics, Biomechanics, Rehabilitation Engineering, Anthropometry, Ergonomics Principles, Physical Ergonomics, Ergonomics in Design, Human Error and Systems Safety and Statistics Research Methods for Health Sciences subjects at undergraduate and postgraduate level.

Capstone Project Related to Biomechanical Analysis of Human Motion and Ergonomics.

Experiences in Academic & International activities of the University in particular maintaining and advancing the University's academic profile including: university wide policy & strategic leadership for the whole of the student lifecycle, international student recruitment and innovations in teaching and learning. driving the academic strategy and overall academic performance of the University, ensuring that the academic function of the University is developing to meet their key strategic aims.

Degree	Field of Study	University
PhD	Clinical Biomechanics	Glasgow Caledonian University, Glasgow (UK)
MSc	Bioengineering	Strathclyde University, Glasgow (UK)
BSc	Technology	Strathclyde University, Glasgow (UK)

Teaching Experience

Teaching Activities:

General Physics:

The course focuses on the main laws associated with mechanics, Mechanics of particles, rigid bodies, and fluids; waves; and heat and thermodynamics using the methods and concepts of algebra, geometry, trigonometry, graphical analysis, and specific attention is given to the discussion of each law applicability and limitations and to the adoption of models and schematic descriptions to deal with real-world problems.

Biomechanics I:

Introduce students to the fundamental biomechanics, methods of two- and three-dimensional analysis in biomechanics. Topics include creation of local coordinate systems, coordinate system transformations, joint center estimations, linear kinematics, angular kinematics, inverse dynamics, and power estimation.

Biomechanics II:

Introduction to two-dimensional kinematics from a linear algebra perspective, introduction to two-dimensional ground reaction forces, joint reaction forces, moments, and powers, introduction to three-dimensional kinematics.

Physical Ergonomics:

Understanding of human factors/ergonomics is critical to the successful design and implementation of products, workplaces, jobs and systems.

This module focuses on the physical characteristics of people (e.g. body size, strength, flexibility, vision and hearing abilities) and considers how to account for an individual's fundamental needs, capabilities and limitations.

Ultimately, such an understanding will lead to products, workplaces, jobs and systems which promote productivity, health, safety, comfort, etc.

Human Error and Systems Safety:

Understanding of systems approaches to the design and analysis of effective and safe work, primarily in the context of industrial systems but also in relation to major projects, public and social systems and digital systems.

In this module it is vital that students learn that technical, human, organizational and economic factors must be addressed when understanding the operation and potential failure in existing systems, and in developing requirements, implementation and evaluation approaches for social and socio-technical systems, and for systems of systems. Also, particular attention will be paid to distributed (in time and space) systems and ones with elements of automated processes (all of which will have to interact with human and organizational elements at some point and time). The potential causes of accidents and of human error are explained, and an introduction given to methods of reporting and investigating accidents and techniques for analyzing accidents and systems reliability which will lead to the design of safer organizations and work systems.

Introduction to Microcomputers:

Focus on the fundamental characteristics of microcomputer systems and their role in Exercise Science. Topics include operating system characteristics, internet utilization, e-mail access, word processing, spreadsheet, and manipulation of graphic images.

Research Methods:

Emphasis on procedures for designing experimental research studies including selection of topics, experimental design, use of human subject's requirements, statistical analysis, and technical writing for proposals and publication.

Introduction to Statistics:

Overview of elementary statistics and their application in research. Emphasis is on the appropriate selection, application, and interpretation of statistical models utilizing commercial statistical software packages. Statistics covered include descriptive statistics, Chi-square tests, simple and multiple correlation, linear and non-linear regression, analysis of variance, factor analysis, and discriminate function analysis.

Teaching, Course & School Development Panels:

Teaching

Prosthetics and Orthotics Engineering B.Sc., MSc, PhD
Physiotherapy BSc, MSc, PhD
Physiotherapy Sport MSc
Occupational Therapy BSc, MSc
Speech Therapy BSc
Biomedical physics MSc, PhD
Audiology BSc, MSc, PhD
Rehabilitation Management, MSc

Course and School Development

- PhD. Prosthetics and Orthotics Engineering, M.Sc. Prosthetics and Orthotics Engineering, PhD in Occupational Therapy, IUMS PhD in Audiology, IUMS
- PhD in Speech Therapy, MSc in Optometry, PhD in Optometry, MSc and PhD in Ergonomics
- International School of Medicine, IUMS
- International School of Pharmacy, IUMS
- International School of Dentistry, IUMS

Supervision and Examination of Higher Degrees Committee:

Direct input in the planning, management and supervision of postgraduate project, which include the supervision of M.Sc. and PhD to completion.

External Examiners for research degree programs at PhD and MSc level.

Research Experience

Research Thesis list:

#	Title	Executer (Student)	Place of Execution	Year
1	Investigation of the Impact of a Passive Exo-neck on Electromyographic Activity of Neck and Shoulder Muscles During Prolonged Tasks Involving Forward Neck Posture	Fatemeh Abade	Iran University of Medical Sciences	2026
2	Effect of ergonomic interventions to reducing musculoskeletal disorders and improving the job performance of emergency nurses using a macroergonomic approach	Shafigheh Sadat Hosseini Saryazdi	Iran University of Medical Sciences	2024
3	The design, construction, and ergonomics evaluation of a patient walking belt for nursing assistants during patient transfer from bed to wheelchair and vice versa	Mahsa Goodarzi	Iran University of Medical Sciences	2024
4	Design and development of a novel cognitive performance tool to assess the level of consciousness based on visual symbols of patients` voluntary and involuntary responses	Marzieh Ghasemian	Iran University of Medical Sciences	2024
5	Localization and software development of the set of Key Indicator Methods (KIM) in order to evaluate the physical workload in manufacturing and service industries	Ahmad Salimi	Iran University of Medical Sciences	2024
6	The effect of speech-based intervention on mental workload and contact pressure between hand and steering wheel during urban driving in light and heavy traffic conditions: a driving simulation study	Zahra Hazrati	Iran University of Medical Sciences	2023
7	Investigating the impact of ergonomic interventions based on limiting thermal stress and infrared radiation in order to increase the performance of Hormozgan steel casting unit employees.	Mehrdad Ghorchizadeh	Iran University of Medical Sciences	2023
8	Analytical study of the effects of activity-based behaviours on low back pain and disability of surgical technologists working in one of the hospitals under supervision of Esfahan University of Medical Sciences	Marzieh Mohammadi	Iran University of Medical Sciences	2021
9	Usability assessment of IUMS Virtual Education Systems (LMS) during the Covid 19 virus pandemic9 virus pandemic	Rahele Aghajafari	Iran University of Medical Sciences	2021
10	Investigating the effectiveness of interventions into increase mobility in prolonged sitting tasks	Maryam Mohammadali Zadeh	Iran University of Medical Sciences	2021
11	Investigating the effect of fatigue on postural behavior in prolonged sitting tasks	Alireza Shaghaghi	Iran University of Medical Sciences	2021
12	Investigation and comparison of ergonomic features of three types of medical insoles in long standing tasks: A field study in a shoe manufacturing industry	Mahsa Mobini	Iran University of Medical Sciences	2021
13	The effectiveness of ergonomic training methods on job satisfaction and musculoskeletal disorders among housekeepers of five-star hotels in Tehran	Yeganeh Abdollahian	Iran University of Medical Sciences	2019
14	Evaluation of functional parameters during the task in three models of Data entry (in put device)	Sedigheh Mirjalili	Iran University of Medical Sciences	2018
15	Designing, Constructing and Evaluating an Endoscope	Seyed Morteza	Iran University	2018

	Retaining Mechanical Arm for Reducing Musculoskeletal Disorders During Endoscopy of Patients	Siadat	of Medical Sciences	
16	Design, construction and evaluation of ergonomic desk stand up to prevent musculoskeletal disorders - muscle and increase comfort administrative staff	Mohamad Rezayi	Iran University of Medical Sciences	2017
17	Design and construction of a sloping surface and evaluation it impact on comfort and pressure on the foot in the long standing works	Saeide Taherzadeh	Iran University of Medical Sciences	2017
18	The effectiveness of ergonomics intervention program with the approach of ergonomic participatory in flour producer company of Iran	Mohamad Mohseni Azheye	Iran University of Medical Sciences	2017
19	Design and evaluation of a mechanical system to patient translation in order to reduce the risk of musculoskeletal disorders in staff of one of Tehrans hospitals	Zahra Jahan	Iran University of Medical Sciences	2017
20	The evaluation of auditory-vocal load on driving performance. A driving simulator study.	Sara Hejazi	Iran University of Medical Sciences	2016
21	Effectiveness of macro approach participatory ergonomics interventions on the musculoskeletal disorders.	Khirollah Mehralian	Iran University of Medical Sciences	2016
22	Ergonomic design of a new backpack and evaluation its effect on plantar pressure	Mahsa Nasuhi	Iran University of Medical Sciences	2016

Research proposals list:

#	Title	Year
1	development and fabrication of an Intelligent Tool for Detecting Physical Workload in Aggregate Handling and Transport Operations Based on Physiological and Biomechanical Data Using a Machine Learning Algorithm	2026
2	Investigating the Challenges and Opportunities of Autonomous Vehicles Development with a Perspective on Cognitive Risk factors: A scoping review	2025
3	The design, construction, and ergonomics evaluation of a patient walking belt for nursing assistants during patient transfer from bed to wheelchair and vice versa	2025
4	Identification and evaluation of risk factors affecting musculoskeletal disorders in order to provide ergonomic training interventions in hospital sonographers affiliated with the healthcare networks of Iran University of Medical Sciences	2025
5	Design and construction of a smart belt with the capability of detecting the permissible limits of lifting load based on optimal symmetric and asymmetric load lifting patterns using machine learning algorithm	2025
6	Effect of ergonomic interventions to reducing musculoskeletal disorders and improving the job performance of emergency nurses using a macroergonomic approach	2025
7	Cross-cultural adaptation and evaluation of psychometric properties of the Evaluation of Physical Assistive Devices (QUEAD) among nurses	2025
8	Prediction of mental fatigue of air traffic controllers based on electroencephalography using machine learning algorithms	2024
9	Identification and classification of effective contextual factors in driver fatigue detection	2024
10	Design and development of a novel cognitive performance tool to assess the level of consciousness based on visual symbols of patients` voluntary and involuntary responses	2024
11	Designing and assessing the ergonomics of the ultrasonic probe to reduce physical strain in the hand and wrist area	2024
12	Localization and software development of the set of Key Indicator Methods (KIM) in order to evaluate the physical workload in manufacturing and service industries	2024
13	Ergonomic assessment of Liberto`s barefoot shoes sample while performing a long-term standing task using objective and subjective techniques	2023

14	Investigating the impact of ergonomic interventions based on limiting thermal stress and infrared radiation in order to increase the performance of Hormozgan steel casting unit employees.	2023
15	Design, fabricate and evaluation of an ergonomic chair cover with adjustable lumbar support and installation on different types of seats based on adjustable pneumatic system	2023
16	The effect of speech-based intervention on mental workload and contact pressure between hand and steering wheel during urban driving in light and heavy traffic conditions: a driving simulation study	2023
17	Investigating the relationship between the distribution of pressure on the sole of the foot, the compressive force of the lumbar region and the load lifting index in symmetrical loading tasks.	2022
18	The effect of transcranial direct current electrical excitation on the motor skills of remote control operators in a human-robot interactive task	2022
19	Investigating the effects of three electronic devices including laptops, tablets, and mobile phones on cognitive function and biomechanical variables	2022
20	Cross-cultural adaptation of SMET questionnaire and investigating the relation between work components and individual factors, and occupational physical activity of nurses	2022
21	Design, manufacture and evaluation of the effectiveness of ergonomic laptop holder with the ability to adjust the height of the surface and the angle of view of computer users	2021
22	Review and comparison of ergonomic features of three types of insoles in prolonged standing tasks: a field study in a shoe manufacturing factory	2021
23	Investigating the effect of ergonomics training on Sleep quality and musculoskeletal disorders of shiftwork personnel patrol of the relief unit of the greater Tehran disciplinary command	2021
24	Investigating of the effects of activity-based behaviours on low back pain and disability of surgical technologists working in one of the hospitals under supervision of Esfahan University of Medical Sciences	2021
25	Investigating the effect of fatigue on postural behavior in prolonged sitting tasks	2021
26	Investigating the effectiveness of interventions into increase mobility on biomechanical variables in prolonged sitting works	2021
27	Investigating the Factors Affecting Workload and Its Coping Mechanisms by using the SIEPS Model among Nurses Assistant working in one of the Hospitals affiliated with Iran University of Medical Sciences	2020
28	Comparative study of saddle chair with two types of traditional chair on the risk of musculoskeletal disorders and perceived comfort in dentists	2019
29	Implementation of Ergonomic Intervention Program and Evaluation of its Effectiveness in Reducing Risk Factors of Musculoskeletal Disorders among Laparoscopic Surgeons at Hazrat Rasoul-e-Akram Hospital	2019
30	Evaluation of functional parameters Speed, error rate, Ease of work and deviation of body organs of computer users during the task in three models of Data entry (in put device)	2018
31	The impact analysis of mental work load on musculoskeletal disorder rate on the nurses of the saveh university of medical sciences	2018
32	effect evaluation of work load on burnout of nurses of Iran psychiatric hospital Iran	2018
33	Design, construction and evaluation of ergonomic desk stand up to prevent musculoskeletal disorders - muscle and increase comfort administrative staff	2018
34	Evaluating the electrical activity of the muscles and the comfort of the specialists during the endoscopy of the patients	2018
35	Design and construction of a sloping floor mat and evaluation of is effect on comfort and planter pressure in the long standing works	2017
36	Design, produce and evaluate ultrasound probe holder to prevent musculoskeletal disorders and increase comfort in region of hand and wrist in sonographer.	2014

Journal Articles:

- 1- Psychometric Assessment of the Persian Version of the Structured Multidisciplinary Work Evaluation Tool (SMET) Questionnaire among Nurses. Abolghasemi J, Ghasemi MS. Journal of Health and Safety at Work. 2025;15(2):241–53.

- 2- Development and validation of a virtual learning management system usability questionnaire: A case study. Ghasemi MS, Aghajafari R, Abolaghasemi J, Danesh MK, Garosi E. Work. 2025;80(1):75–86.
- 3- Associations Between Occupational Physical Activity, Low Back Pain and Disability Among Operating Room Personne. M.S.Ghasemi, Marzieh Mohammadi, Zeinab Kazemi, Marzieh Izadi Laybidi. Journal of Health and Safety at Work. 2024: 14 (4), 874-888.
- 4- Effect of muscular fatigue on the cumulative lumbar damage during repetitive lifting task: a comparative study of damage calculation methods. Z Kazemi, N Arjmand, A Mazloumi, Z Karimi, A Keihani, MS Ghasemi. Ergonomics. 2024: 67 (4), 566-581
- 5- Analyzing the Correlation Between Plantar Pressure Distribution and UTAH Back Compressive Force and NIOSH Lifting Index in Symmetrical Lifting Tasks
- 6- EG Hassan Mehridiz , Mohamad Sadegh Ghasemi, Hassan Saeedi, Mahsa Varmazyar. Journal of Health and Safety at Work. 2024: 14 (2), 272-290
- 7- Design and Development of an Ergonomics Discipline Strategic Plan in Iran. A Mazloumi, AM Mosadeghrad, Z Kazemi, M Khosravi Danesh, ...Iran Occup Health J. 2024: 20 (2), 1-16
- 8- Ergonomic Design and Assessment of an Adjustable Laptop Stand Used in the Typing Task. Hamid Ghadimi, Ehsan Garosi, Marzieh Izadi Laybidi, Mohamad Sadegh Ghasemi. Medical Journal of the Islamic Republic of Iran (MJIRI). 2023: 37 (1), 1-7
- 9- The Effect of Stretching Exercises on Perceived Discomfort, Trunk Muscle Activity, and Fatigue in Prolonged Sitting Tasks. M Mohammadalizadeh, Z Kazemi, E Garosi, A Keihani, A Shaghaghi, M,S,Ghasemi ...Journal of Health & Safety at Work. 2023: 13 (3)
- 10- The Effect of Repetitive Lifting on Trunk Muscles' Fatigue and Kinematics of Spine and Load-in-Hand, Z Kazemi, A Mazloumi, N Arjmand, Z Karimi, A Keihani, MS Ghasemi. J. Health Saf. Work, 2023:13, 202-217
- 11- Design and ergonomic evaluation of a new adapted endoscope holder to reduce muscle pressure and discomfort during endoscopy. Mohamad Sadegh Ghasemi, Morteza Siadat, Bessam Abdulrazak, Gabriel Ibarra-Mejia, Bijan Forogh, Naser Dehghan. Journal of Work, vol. Pre-press, no. Pre-press, 2023: 1-8
- 12- Comparative study of the saddle chair with two other conventional types of chairs on the risk of musculoskeletal disorders and perceived comfort in dentists. SG Alinezhad, Ghasemi M.S, Dehghan N. Occupational Quarterly Medicine. 2023: 15 (1), 67-77
- 13- Perceived Discomfort, Upper Body Muscular Activity, and Fatigue Over Unsupported Prolonged Sitting Tasks. M.S.Ghasemi, Alireza Shaghaghi, Zeinab Kazemi, Ali Sharifnead, Ehsan Garosi, Maryam ...Journal of Health and Safety at Work. 2023: 13 (2), 368-383

- 14- Workload and Burnout Among Nurses of a Public Referral Psychiatric Hospital in Tehran, Iran: A Cross-Sectional Study. Mohammad Sadegh Ghasemi, Niloofar Valizadeh, Naser Dehghan, Mohammadreza Shalbafan. *Journal of Iranian Medical Council*, 2022: (3): 363-70
- 15- Exploring Factors Influencing the Workload in Nursing Assistants: A Qualitative Study. Mohamad Sadegh Ghasemi, Ehsan Garosi, Naser Dehghan. *Iranian Journal of Ergonomics*. 2022: (3) 147-161
- 16- Investigation of the effect of ergonomic flooring on the distribution of foot pressure in long standing. Taherzadeh S, Ghasemi MS^{2*}, Saeedi H, Dehghan H, Rahimi Khalifa Kennedy Z. *Occupational Medicine Quarterly Journal*. 2021: 13(2): 60-67
- 17- A Comprehensive Evaluation of Spine Kinematics, Kinetics, and Trunk Muscle Activities During Fatigue-Induced Repetitive Lifting. Zeinab Kazemi, Adel Mazloumi, Navid Arjmand, Ahmadreza Keihani, Zanyar Karimi, Mohamad Sadegh Ghasemi, Ramin Kordi. *Human Factors*, 2021: 26; 997–1012.
- 18- Functional parameters, wrist posture deviations and comfort: A comparison between a computer mouse and a touch pen as input devices . Karim Hemati, Sedigheh Mirjalili, Mohamad Sadegh Ghasemi, Yeganeh Abdollahian, Razeyeh Siroos, Pardis Sanati, Mashallah Aghilinejad, Naser Dehghan. *Journal: Work*, 2020: 65(4): 701-706
- 19- Ergonomic intervention to reduce musculoskeletal disorders among flour factory workers. Karim Hemati, Elaheh Kabir–Mokamelkhah, Mohamad Sadegh Ghasemi, Mohammad Mohseni-Ezhiye, Mashallah Aghilinejad, Yeganeh Abdollahian, Mohammad Ali Salehi, Naser Dehghan .*Journal: Work*, 2020: 67(3): 611-618
- 20- Evaluating muscle activity during work with trackball, trackpad, slanted, and standard mice. Yasser Labbafinejad, Mansour Eslami-Farsani, Saber Mohammadi, Mohamad Sadegh Ghasemi, Mahnoush Reiszadeh, Naser Dehghan. *Iranian Rehabilitation Journal*. 2019: 17(2): 121-128.
- 21- Designing a New Ergonomic Student Backpack. Mahsa Mansoorian, Mohammad Sadegh Ghasemi, Naser Dehghan. *Journal of Pharmaceutical Research International*. 2019: 29(5): 1-7.
- 22- Evaluating the impact of a new ergonomic backpack designed on foot plantar pressure and perceived comfort by its users. Mansoorian M, Ghasemi M S, Forough B, Dehghan N. *Iran Occupational Health*. 2018: 15(5): 59-68
- 23- Ergonomic design and evaluation of a diagnostic ultrasound transducer holder. Ghasemi MS, Hosseinzadeh P, Zamani F, Ahmadpoor H, Dehghan N. *International Journal of Occupational Safety and Ergonomics*. 2017; Vol. 23(4): 519-23
- 24- Evaluating the impact of a new ergonomic backpack designed on foot plantar pressure and perceived comfort by its users .Mansoorian M, Ghasemi M S, Forough B, Dehghan N. *Iran Occupational Health*. 2018; Vol. 15 (5): 59-68.
- 25- The reciprocal role of university ranking and the internationalization of education. Seyed Ahmad Ahmadi, Mansoureh Taghavinia, Seyed Kamran Soltani Arabshahi, Mohamad Sadegh Ghasemi. *J.Strides in Development of Medical Education*, 2017; Vol. 14(2): 93-83

- 26- Saddle seat reduces musculoskeletal discomfort in microsurgery surgeons. Y Labbafinejad, MS Ghasemi, A Bagherzadeh, H Aazami, ...International Journal of Occupational Safety and Ergonomics. 2017; 545-550
- 27- Ergonomic design and evaluation of a diagnostic ultrasound transducer holder, Ghasemi MS, Hosseinzadeh P, Zamani F, Ahmadpoor H. International Journal of Occupational Safety and Ergonomics, 2017; Vol. 23: 519-523
- 28- An ergonomic intervention to reduce musculoskeletal discomfort among semiconductor assembly workers. Aghilinejad M, Azar NS, Ghasemi MS, Dehghan N*, Mokamelkhah EK. J.Work. 2016; Vol. 54(2): 445-50.
- 29- Influence of heel design in an orthopedic shoe on ground reaction forces during walking. Aliyeh Daryabor, Hassan Saeedi, Mohammad Sadegh Ghasemi, Meria Yazdani, Mohammad Kamali, Hoda Nabavi, Sarah Curran, Naser Amini. Prosthetics and orthotics international. 2016; Vol. 40(5): 598-605
- 30- Measurements of nanoparticle-enhanced heating from 1MHz ultrasound in solution and in mice bearing CT26 colon tumors. Beik, J., Abed, Z., Ghadimi-Daresajini, A., Nourbakhsh, M., Shakeri-Zadeh, A., Ghasemi, M.S. & Shiran, M.B. Journal of Thermal Biology, 62, pp. 84-89
- 31- Effect of foot hyperpronation on spine alignment, in standing position. Khatereh Farokhmanesh, Mohammad Sadegh Ghasemi, Hasan Saeedi, Masoud Roudbari, Reza Emadifar. J. Modern Rehabilitation. 2016, Vol. 6(2): 1-7.7.
- 32- The effect of foot hyperpronation on spine alignment in standing position. Mohammad Sadegh Ghasemi, Jalil Koochpayehzadeh, Hamidreza Kadkhodaei, Ali Asghar Ehsani. Medical journal of the Islamic Republic of Iran, 2016; Vol.30: 466-472
- 33- An Ergonomic Intervention to Reduce Musculoskeletal Discomfort among Electronic Circuits Assembly Worker. Soleimanvandy Azar, Mohammad Sadegh Ghasemi, Naser Dehghan, Elahe Kabir Mokamel. Mashallah Aghilinejad. Journal of Work, 2016; Vol. 54 (2): 445-450
- 34- The comparison of Neoprene Palumbo and Genu Direxa stable orthosis effects on pain and activity of daily living in patients with patellofemoral syndrome: a randomized blinded clinical trial. Mohammad Sadegh Ghasemi and Naser Dehghan. Electronic Physician. 2015; Vol. 7 (6): 1325-1329.
- 35- Effect of rocker shoes on pain, disability and activity limitation in patients with rheumatoid arthritis. Masumeh Bagherzadeh Cham, Mohammad Sadegh Ghasemi, Bijan Forogh, Mohammad Ali Sanjari, Mozdeh Zabihi Yeganeh, Arezoo Eshraghi. Journal of Prosthetics and Orthotics International. 2014; Vol. 38 (4): 310-315
- 36- Investigation of the effect of standard and sloping heels in medical shoes on the vertical component of the ground reaction force when walking in healthy individuals. Alia Daryabar *, Saeedi Hassan, Yazdani Marya, Ghasemi Mohamad Sadegh, Kamali Mohammad, Nabavi Hoda, Mohammadpour Afsaneh. J.Rehabilitation Archive (Rehabilitation) 2013; Vol. 14(3): 47-55

- 37- Posterior corneal elevation changes after photorefractive keratectomy. Damanpak V, Ghasemi M S, Nasiri N, Doostdar A. RJMS. 2012; Vol. 19 (97) :38-44
- 38- The effect of foot hyperpronation on the spine in the standing position. Farrokh Manesh Khaterreh, Ghasemi Mohammad Sadegh *, Saeedi Hassan, Roudbari Massoud, Emadi Fard Reza. Journal of Modern rehabilitation, 2012; Vol. 6(2): 65-70
- 39- The effect of poron layered insole on ground reaction force in comparison with common insole on subjects with flexible flat foot. Khanmohammad F, Ghasemi M S, Jafari H, Hajiaghaie B, Sanjari M A. J. Modern Rehabilitation, 2012; Vol. 5 (4) :55-63
- 40- The comparison of psychological and social adaptation below elbow amputation men using a mechanical and myoelectric prosthesis by using of TAPES questionnaire. Keyvani Hafshejani, M. Javanshir, M. Kamali, MS. Ghasemi, M. Emami, S.A. Esmaeeli, A. Langari, M. Sattari Naeini. Life Science Journal, 2012; Vol. 9(4): 5583-87
- 41- Effect of rocker shoes on pain, disability and activity limitation in rheumatoid arthritis patients. M.S. Ghasemi, F. Khanmohammad 3rd International Conference on Movement Dysfunction, Edinburgh, UK, (2009).
- 42- Vastus Medialis Oblique and Vastus Lateralis activities Ratio on Selected Degrees of Range of Motion in Open and Closed Kinetic Chain During Isometric Contraction. Medical Journal of The Islamic Republic of Iran (MJIRI), 2006; Vol. 19(4): 323-326.
- 43- Comparison of therapeutic effect of external wedge with subtalar joint support with external wedge inside shoes in patients with knee osteoarthritis. Gorgan Medical Journal, 2007; Vol. 9(2): 51-55
- 44- Biomechanics of the lower limb inpatients with Anterior Knee Pain. Biomechanics of lower limb in health, Disease and Rehabilitation. Ghasemi M.S. International Conference. Salford, UK (2001).
- 45- Biomechanics of the lower limb in patients with anterior knee pain. Ghasemi M.S, Bell F. International Conference on the Engineering of Sport, Sheffield, UK (1996).
- 46- Biomechanics of the lower limb inpatients with Anterior Knee Pain. Ghasemi M.S, Bell F, Hullin M. Gait & Posture, 1995; Vol. (3): 186.
- 47- A Holistic Approach to gait analysis. Bell F, Ghasemi M.S, Richards J. Gait & Posture, 1995; Vol. (3): 185.
- 48- Biomechanics of the lower limb in patients with anterior knee pain. Ghasemi M.S, Bell F, Hullin M. Clinical Gait Analysis International Conference. Dundee, UK (1994).
- 49- Biomechanics of the lower limb in patients with anterior knee pain. Ghasemi M.S, Bell F. The First Festival of the Scottish Institute of Sports Medicine and Sport Science. Glasgow, UK (1994).
- 50- Biomechanics of the lower limb in patients with anterior knee pain. Biomechanics of the lower limb in patients with Anterior knee pain. Ghasemi M.S, Bell F. The Society of Chiropodists and Podiatrists International Conference, London, UK (1994).

Achievements and Honors

Internal Patent:

-ErgoProbe Ergonomic holder of ultrasound probe.

Patent Certificate Number: 028791 A/89

-Sloping polyurethane flooring with foot support (ergonomic).

Patent Certificate Number: 103635

Technical and Professional Skills

Key Skills & Proficiencies:

- Ability to empower,
- Ability to engage
- Adaptability
- Curriculum knowledge
- Use varied teaching methodologies
- Strong communication and corporate presentation,
- Broader understanding of the University policies and procedures,
- Organizational skills with the ability to work independently as well as part of a team,
- Flexibly to respond to time-critical queries,
- Strong background in education management

Scientific Memberships and Academic Activities

Appointments:

From: To:

2016	April 2023	Head of Department (Human Factors and Ergonomics), IUMS
2010	2022	Board Member, Ministry of Health and Medical Education Iran (MHMEI)
2013	2019	Vice-Chancellor for International Affairs, IUMS
2019	2020	Board Secretary of Ergonomics, MHMEI
2013	2017	Dean of International Medical Campus, IUMS
2010	2013	Director of Accreditation, Ranking and International Relation TUMS
2008	2010	Dean of School of Rehabilitation Sciences, IUMS
2004	2008	Director of Undergraduate Evening Courses, IUMS
2006	2008	Deputy of Student Education Services, MHMEI
2002	2005	Head of Department, Faculty of Rehabilitation Sciences, IUMS
1998	1989	Consultant, Pharmaceutical Company, Iran Daru, Tehran,
1997	1997	Research and Teaching Assistant, Glasgow Caledonian University, UK

External Reviewer & Referee:

Member of Editorial Board and Reviewer for Razi Journal of Medical Sciences (RJMS), TUMS, Tehran
Secretary and Member of Ergonomic Board, Ministry of Health and Medical Education, Tehran, Iran