

Asst. Prof. SENİH GÜRSES

Personal Information

Office Phone: [+90 0312 210 4461](tel:+9003122104461)

Email: senih@metu.edu.tr

Web: <https://avesis.metu.edu.tr/senih>

International Researcher IDs

ScholarID: 937-RpMAAAAJ

ORCID: 0000-0001-6508-3562

Publons / Web Of Science ResearcherID: ABA-2480-2020

ScopusID: 6506419244

Yoksis Researcher ID: 164342

Foreign Languages

English, C1 Advanced

Advising Theses

GÜRSES S., Stochastic analysis of human postural sway, Postgraduate, N.BARIŞ(Student), 2022

GÜRSES S., Thermodynamics of skeletal muscle, Doctorate, E.VARLI(Student), 2022

GÜRSES S., Screening infant's developmental aspects of learning during standing by measuring pressure distribution beneath the feet, Doctorate, E.POURREZA(Student), 2022

GÜRSES S., Effect of achilles tendon vibration at adapting to different sensory conditions, Postgraduate, R.Arda(Student), 2019

GÜRSES S., Effect of vestibular system on search and fall behaviour of human postural sway, Postgraduate, B.CAN(Student), 2017

GÜRSES S., Postural responses of patients with bilateral vestibular loss and healthy subjects to sinusoidal tilts, Postgraduate, M.İMİR(Student), 2017

GÜRSES S., Effect of the vestibular system on search and fall behaviour of human postural sway, Postgraduate, B.Can(Student), 2017

GÜRSES S., Foot somatosensory information contributes to quiet stance, Postgraduate, S.HASSANPOUR(Student), 2016

ÖZGÖREN M. K., GÜRSES S., The somatosensory and vestibular interaction in human postural control, Doctorate, M.EMRE(Student), 2015

TARMAN I. H., GÜRSES S., Statistical analysis of force distribution on the plantar foot during quiet stance, Doctorate, O.ALKAN(Student), 2015

HALICI U., GÜRSES S., Investigation of ground reaction force distribution beneath the foot in postural control, Postgraduate, R.AKBARIFAR(Student), 2014

GÖKÇAY D., GÜRSES S., Investigation of line bisection activity in the brain by a sensory-motor task: An FMRI study, Postgraduate, B.GÜMÜŞ(Student), 2013

GÜRSES S., TOKDEMİR T., Linear and nonlinear analysis of human postural sway, Postgraduate, H.ÇELİK(Student), 2008

GÜRSES S., Simulation of a 1-D muscle model in simulink, Postgraduate, Z.UYGUR(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigations of motor performance with neuromodulation and exoskeleton using leader-follower modality: a tDCS study**
Okasha A., Şengezer S., Kılınç H., Pourreza E., Fincan C., YILMAZ T., Boran H. E., Cengiz B., YOZGATLIGİL C., GÜRSES S., et al.
Experimental Brain Research, vol.242, no.12, pp.2677-2689, 2024 (SCI-Expanded)
- II. **Self-composite silk fibroin membranes for guided bone regeneration: 1 material 3 architectures with intrinsic integrity**
Atila D., GÜRSES S., TEZCANER A.
Materials Today Communications, vol.39, 2024 (SCI-Expanded)
- III. **Spatiotemporal Evolution of Toddlers' Regional Foot Pressure Distribution and Center of Pressure at Antero-Posterior Axis During Learning of Standing**
Pourreza E., YARADANAKUL N. B., CENGİZ B. C., Camurdan A. D., ZİNNUROĞLU M., GÜRSES S.
Journal of Biomechanical Engineering, vol.146, no.1, 2024 (SCI-Expanded)
- IV. **Diatom silica frustules-doped fibers for controlled release of melatonin for bone regeneration**
Deniz Dalgic A., Atila D., TEZCANER A., GÜRSES S., KESKİN D.
European Polymer Journal, vol.186, 2023 (SCI-Expanded)
- V. **Biomechanical Analysis of the Effect of Mesenchymal Stem Cells on Mandibular Distraction Osteogenesis**
Aykan A., Ozturk S., Sahin I., GÜRSES S., Ural A. U., Oren N. C., Isik S.
JOURNAL OF CRANIOFACIAL SURGERY, vol.24, no.2, 2013 (SCI-Expanded)
- VI. **Correlation dimension estimates of human postural sway**
GÜRSES S., Celik H.
HUMAN MOVEMENT SCIENCE, vol.32, no.1, pp.48-64, 2013 (SCI-Expanded)
- VII. **Combinational effects of BMP9, Raloxifene and Pluronic F-68 on OA-like chondrocytes**
Kavas A., Ozdemir M., Erdemli O., Gurses S., Keskin D., Tezcaner A.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, pp.73, 2012 (SCI-Expanded)
- VIII. **In vitro investigation and biomechanical modeling of the effects of PLF-68 on osteoarthritis in a three-dimensional model**
Kavas A., Ozdemir M., Gürses S., Keskin D., Tezcaner A.
BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, vol.10, pp.641-650, 2011 (SCI-Expanded)
- IX. **Examination of time-varying kinematic responses to support surface disturbances**
GÜRSES S., Kenyon R. V., Keshner E. A.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.6, no.1, pp.85-93, 2011 (SCI-Expanded)
- X. **Perturbation parameters associated with nonlinear responses of the head at small amplitudes**
Gurses S., Dhaher Y., Hain T., Keshner E.
CHAOS, vol.15, no.2, 2005 (SCI-Expanded)
- XI. **Biomechanical analysis of the rigid fixation of zygoma fractures: An experimental study**
Deveci M., Eski M., Gurses S., Yucesoy C., Selmanpakoglu N., Akkas N.
JOURNAL OF CRANIOFACIAL SURGERY, vol.15, no.4, pp.595-602, 2004 (SCI-Expanded)
- XII. **Prevention of restrictive adhesions in primary tendon repair by HA-membrane: experimental research in chickens**
Isik S., Ozturk S., Gurses S., Yetmez M., Guler M., Selmanpakoglu N., Gunhan O.
BRITISH JOURNAL OF PLASTIC SURGERY, vol.52, no.5, pp.373-379, 1999 (SCI-Expanded)

Articles Published in Other Journals

- I. **The effect of foot somatosensory loss in postural control during Functional reach test in patients with diabetic polyneuropathy: A controlled study**
Kahveci A., CENGİZ B. C., Alcan V., GÜRSES S., ZİNNUROĞLU M.

Foot, vol.59, 2024 (Scopus)

- II. **Recreational male athletes' single leg forward hop and crossover triple hop test kinetics, kinematics, peak frequency and magnitude alterations**
İliceşmar Ö. F., İmir M., Cengiz B. C., Gürses S., Menderes Y., Turhan E., Dönmez G., Korkusuz F.
Spor Hekimliği Dergisi, vol.59, no.1, pp.17-23, 2024 (Peer-Reviewed Journal)
- III. **Developing a Human Balance Test System (DETES) in Order to Investigate Control Mechanisms of Human Erect Posture**
Cengiz B. C., Gürses S.
Journal of Advances in Biomedical Engineering and Technology, vol.3, no.2, pp.38-45, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **IDENTIFICATION OF CONTROL STRATEGIES IN DIABETIC NEUROPATHIC PATIENTS VERSUS HEALTHIEST THROUGH KINEMATIC TRAJECTORIES**
Kahveci A., Cengiz B. C., Alcan V., Zinnurođlu M., Gürses S.
The 28th Annual Meeting of European Orthopaedic Research Society, İzmir, Turkey, 17 - 18 September 2020, pp.80
- II. **IDENTIFICATION OF CONTROL STRATEGIES IN DIABETIC NEUROPATHIC PATIENTS VERSUS HEALTHIEST THROUGH KINEMATIC TRAJECTORIES**
Kahveci A., Cengiz B. C., Zinnurođlu M., Gürses S.
The 28th Annual Meeting of European Orthopaedic Research Society, İzmir, Turkey, 17 - 18 September 2020, pp.80
- III. **Postural Control Strategies Enlightened by the Usage of Tendon Vibration Technique**
Gurses S.
14th National Biomedical Engineering Meeting, İzmir, Turkey, 20 - 22 May 2009, pp.198-201

Supported Projects

GÜRSES S., Project Supported by Higher Education Institutions, İnsan Postürünün Duyusal-Motor Kontrolunda Vestibüler Ve Somatosensory Duyuların Etkilerinin İncelenmesi Ve Modellenmesi İçin Deneysel Bir Düzenek Geliştirilmesi, 2008 - 2008

Metrics

Publication: 18

Citation (WoS): 129

Citation (Scopus): 139

H-Index (WoS): 5

H-Index (Scopus): 6