

## Asst. Prof. SENİH GÜRSES

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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 learningduring standing by measuring pressure distributionbeneath 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

- I. 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)
- II. 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)
- III. 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)
- IV. Correlation dimension estimates of human postural sway  
GÜRSES S., Celik H.  
HUMAN MOVEMENT SCIENCE, vol.32, no.1, pp.48-64, 2013 (SCI-Expanded)
- V. 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)
- VI. 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)
- VII. 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)
- VIII. 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)
- IX. 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)
- X. 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. 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., Zinnuroğlu 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., Zinnuroğlu 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**  
Gürses 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 Postürüün Duyusal-Motor Kontrolunda Vestibüler Ve Somatosensory Duyuların Etkilerinin İncelenmesi Ve Modelenmesi İçin Deneysel Bir Düzenek Geliştirilmesi, 2008 - 2008

## **Metrics**

Publication: 15  
Citation (WoS): 121  
Citation (Scopus): 131  
H-Index (WoS): 5  
H-Index (Scopus): 5