

## Prof. SİNEM ONARAN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-7627-1187

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### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 2003 - 2009

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 2003 - 2006

Undergraduate Minor, Middle East Technical University, Faculty Of Architecture, Endüstri Ürünleri Tasarımı, Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Fen Edebiyat Fakültesi, Matematik, Turkey 1998 - 2003

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, 3-Boyutlu kontakt 3-manifoldlar içerisinde kontakt ameliyatlar, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Matematik (Dr), 2006

### Research Areas

Mathematics, Algebraic Topology, Manifolds and Cell Complexes, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2012 - Continues

Lecturer, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2011 - 2012

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 2006 - 2008

## Advising Theses

ONARAN S., Legendre düğümlerinin sınıflandırılması, Postgraduate, B.PEKAVCILAR(Student), 2017

ONARAN S., Legendre düğümlerinin değişmezleri, Postgraduate, S.SARIOĞLAN(Student), 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **CONTACT SURGERY GRAPHS**  
Kegel M., ONARAN S.  
BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY, vol.107, no.1, pp.146-157, 2023 (SCI-Expanded)
- II. **L-space knots with tunnel number  $>1$  by experiment**  
Anderson C., Baker K. L., Gao X., Kegel M., Le K., Miller K., ONARAN S., Sangston G., Tripp S., Wood A., et al.  
EXPERIMENTAL MATHEMATICS, vol.32, no.4, pp.600-614, 2023 (SCI-Expanded)
- III. **Real tight contact structures on lens spaces and surface singularities**  
ONARAN S., Ozturk F.  
Journal of Topology and Analysis, 2023 (SCI-Expanded)
- IV. **Minimal number of singular fibers in a nonorientable Lefschetz fibration**  
ONARAN S., Ozbagci B.  
GEOMETRIAE DEDICATA, vol.216, 2022 (SCI-Expanded)
- V. **On the support genus of Legendrian knots**  
ONARAN S.  
ARCHIV DER MATHEMATIK, vol.116, no.4, pp.469-479, 2021 (SCI-Expanded)
- VI. **From automorphisms of Riemann surfaces to smooth 4-manifolds**  
BEYAZ A., Naylor P., ONARAN S., Park B. D.  
MATHEMATICAL RESEARCH LETTERS, vol.27, no.3, pp.629-645, 2020 (SCI-Expanded)
- VII. **ON OVERTWISTED CONTACT SURGERIES**  
ONARAN S.  
BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY, vol.98, no.1, pp.144-148, 2018 (SCI-Expanded)
- VIII. **Legendrian torus knots in lens spaces**  
ONARAN S.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.3, pp.936-948, 2018 (SCI-Expanded)
- IX. **Legendrian Lens Space Surgeries**  
Geiges H., ONARAN S.  
MICHIGAN MATHEMATICAL JOURNAL, vol.67, no.2, pp.405-422, 2018 (SCI-Expanded)
- X. **Legendrian rational unknots in lens spaces**  
GEIGES H., ONARAN S.  
JOURNAL OF SYMPLECTIC GEOMETRY, vol.13, no.1, pp.17-50, 2015 (SCI-Expanded)
- XI. **Nonlooseness of nonloose knots**  
Baker K. L., ONARAN S.  
ALGEBRAIC AND GEOMETRIC TOPOLOGY, vol.15, no.2, pp.1031-1066, 2015 (SCI-Expanded)
- XII. **PLANAR OPEN BOOK DECOMPOSITIONS OF 3-MANIFOLDS**  
Onaran S.  
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.44, no.5, pp.1621-1630, 2014 (SCI-Expanded)

## Supported Projects

ONARAN S., Project Supported by Higher Education Institutions, Legendre düğümler yardımı ile aşırı dönen kontakt yapıların yoğunluğu, 2016 - 2017

ONARAN S., Project Supported by Higher Education Institutions, Topolojide Simplektik Teknikler 2015 Konferansı, 2015 - 2015

ONARAN S., TUBITAK Project, Düğümler ve Aşırı dönen kontakt manifoldlar, 2013 - 2014

## **Metrics**

Publication: 12

Citation (WoS): 18

Citation (Scopus): 13

H-Index (WoS): 2

H-Index (Scopus): 2