

## Prof. İLHAN İÇEN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-7082-2021

Yoksis Researcher ID: 4423

### Education Information

Doctorate, University of Wales-Bangor University, Science, Mathematics, United Kingdom 1991 - 1996

Postgraduate, Inonu University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1984 - 1987

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1980 - 1984

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, A TWO DIMENSIONAL VERSION OF HOLONOMY GRUPOİD, University of Wales, Bangor, Science, Matematik, 1996

Postgraduate, DEMETLER ÜZERİNE, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 1987

### Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 2008 - Continues

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 2002 - 2008

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 1996 - 2002

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 1986 - 1991

### Academic and Administrative Experience

Yükseköğretim Kurumu, 2012 - Continues

Inonu University, Fen- Edebiyat Fakültesi, Matematik, 1996 - Continues

Inonu University, Güzel Sanatlar Ve Tasarım Fakültesi, 2009 - 2013

Inonu University, 2008 - 2012

Inonu University, Akçadağ Meslek Yüksekokulu, 2000 - 2007

### Courses

Kategori Teori, Undergraduate Double Major, 2013-2014  
Topolojiye Giriş, Undergraduate, 2013-2014  
Calculus, Undergraduate, 2013-2014  
Kategori Teori, Undergraduate Double Major, 2012-2013  
Topolojiye Giriş, Undergraduate, 2012-2013  
Topolojiye Giriş, Undergraduate, 2011-2012  
Kategori Teori, Undergraduate Double Major, 2011-2012  
Topolojiye Giriş, Undergraduate, 2007-2008  
Topolojiye Giriş, Undergraduate, 2003-2004

## Advising Theses

İÇEN İ., --, Doctorate, G.OĞUZ(Student), Continues  
İÇEN İ., LOKAL ROUGH KÜMELER, Doctorate, H.BAŞBUĞ(Student), 2015  
İÇEN İ., GRUPOİDLER VE DİFERANSİYELLENEBİLİR YAPILAR, Doctorate, F.ŞAHİN(Student), 2012  
İÇEN İ., LOCAL ALTGRUPOİD, Postgraduate, H.BAŞBUĞ(Student), 2012  
İÇEN İ., TOPOLOJİK GRUPLAR, Postgraduate, D.BİNBAŞIOĞLU(Student), 2009  
İÇEN İ., LİE GRUPLARIN ETKİLERİ, Postgraduate, G.KUBAT(Student), 2008  
İÇEN İ., GRUPOİDLER VE DEMETLER, Postgraduate, H.TUBA(Student), 2008  
İÇEN İ., LİE ÖRTÜ GRUPOİDLERİ, Doctorate, M.GÜRSOY(Student), 2007  
İÇEN İ., GRUP VE CEBİRLERİN ÇAPRAZLANMIŞ MODÜLLERİ, Postgraduate, F.ŞAHİN(Student), 2007  
İÇEN İ., TOPOLOJİK ÖRTÜ GRUPLARI, Doctorate, A.ÖZCAN(Student), 2004  
İÇEN İ., TOPOLOJİK 2-GRUPOİDLER, Postgraduate, M.GÜRSOY(Student), 2002  
İÇEN İ., CROSSED MODÜLLER, Postgraduate, C.YILDIRIM(Student), 2000  
İÇEN İ., LOKAL TOPOLOJİK GRUPOİDLER, Postgraduate, M.İLHAN(Student), 1999  
İÇEN İ., LOKAL DENKLİK BAĞINTISI, Postgraduate, R.BULAM(Student), 1999  
İÇEN İ., TOPOLOJİK CROSSED MODÜLLER, Postgraduate, A.ÖZCAN(Student), 1997

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

- I. **On soft topological categories**  
OĞUZ G., GÜRSOY M. H., İÇEN İ.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.6, pp.1675-1681, 2019 (SCI-Expanded)
- II. **Coverings of structured Lie groupoids**  
GÜRSOY M. H., İÇEN İ.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.47, no.4, pp.845-854, 2018 (SCI-Expanded)
- III. **Lie Rough Groups**  
OĞUZ G., İÇEN İ., GÜRSOY M. H.  
FILOMAT, vol.32, no.16, pp.5735-5741, 2018 (SCI-Expanded)
- IV. **Soft Sets and Soft Topology on Nearness Approximation Spaces**  
Tasbozan H., İÇEN İ., Bagirmaz N., ÖZCAN A. F.  
FILOMAT, vol.31, no.13, pp.4117-4125, 2017 (SCI-Expanded)
- V. **Generalized crossed modules and group-groupoids**  
GÜRSOY M. H., ASLAN H., İÇEN İ.  
TURKISH JOURNAL OF MATHEMATICS, vol.41, no.6, pp.1535-1551, 2017 (SCI-Expanded)
- VI. **Coverings and Actions of Structured Lie Groupoids**  
GÜRSOY M. H., İÇEN İ., ÖZCAN A. F.  
ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI-SERIE NOUA-MATEMATICA, vol.2, pp.661-679, 2016 (SCI-Expanded)

- VII. **Lie groupoids and generalized almost paracomplex manifolds**  
Sahin F., GÜRSOY M. H., İÇEN İ.  
TURKISH JOURNAL OF MATHEMATICS, vol.37, no.3, pp.500-510, 2013 (SCI-Expanded)
- VIII. **Coverings of Lie groupoids**  
İÇEN İ., GÜRSOY M. H., ÖZCAN A. F.  
TURKISH JOURNAL OF MATHEMATICS, vol.35, no.2, pp.207-218, 2011 (SCI-Expanded)
- IX. **Topological ring-groupoids and liftings**  
Ozcan A. F., Icen I., Gursoy M. H.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.30, pp.355-362, 2006 (SCI-Expanded)
- X. **Topological group-groupoids and their coverings**  
İÇEN İ., ÖZCAN A. F., GÜRSOY M. H.  
INDIAN JOURNAL OF PURE MATHEMATICS, vol.36, no.9, pp.493-502, 2005 (SCI-Expanded)
- XI. **Topological group-groupoids and their coverings**  
Icen I., Ozcan A., Gursoy M.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.36, no.9, pp.493-502, 2005 (SCI-Expanded)
- XII. **Towards a 2-dimensional notion of holonomy**  
Brown R., Icen I.  
ADVANCES IN MATHEMATICS, vol.178, no.1, pp.141-175, 2003 (SCI-Expanded)
- XIII. **Homotopies and automorphisms of crossed modules of groupoids**  
Brown R., Icen I.  
APPLIED CATEGORICAL STRUCTURES, vol.11, no.2, pp.185-206, 2003 (SCI-Expanded)
- XIV. **Local subgroupoids II: Examples and properties**  
Brown R., Icen I., Mucuk O.  
TOPOLOGY AND ITS APPLICATIONS, vol.127, no.3, pp.393-408, 2003 (SCI-Expanded)
- XV. **Lie local subgroupoids and their holonomy and monodromy Lie groupoids**  
Brown R., Icen I.  
TOPOLOGY AND ITS APPLICATIONS, vol.115, no.2, pp.125-138, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Topological Group-Groupoids and Equivalent Categories**  
ÖZCAN A. F., İÇEN İ.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.3, pp.667-673, 2022 (Peer-Reviewed Journal)
- II. **Comparison of Rough Sets and Local Rough Sets in Data Analysis**  
ÖZCAN A. F., BEYDAĞI M. M., İÇEN İ.  
New Trends in Mathematical Science, vol.10, no.2, pp.1-13, 2022 (Peer-Reviewed Journal)
- III. **The Category of Soft Topological Hyperrings**  
ÖZCAN A. F., İÇEN İ., TAŞBOZAN H.  
Turkish Journal of Science, vol.6, no.1, pp.6-13, 2021 (Peer-Reviewed Journal)
- IV. **A New Concept in the Soft Theory: Soft Groupoids**  
Oguz G., Icen I., Gursoy M. H.  
SOUTHEAST ASIAN BULLETIN OF MATHEMATICS, vol.44, no.4, pp.555-565, 2020 (ESCI)
- V. **ACTIONS OF SOFT GROUPS**  
OĞUZ G., İÇEN İ., GÜRSOY M. H.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.1163-1174, 2019 (ESCI)
- VI. **On Topologies And Generalizes Rough Approximations**  
Bağırılmaz N., ÖZCAN A. F., Taşbozan H., İÇEN İ.  
Journal of mathematical and computational science, no.7, pp.642-657, 2017 (Peer-Reviewed Journal)

- VII. **Topologies and approximation operators induced by binary relations**  
Bağırılmaz N., ÖZCAN A. F., Taşbozan H., İÇEN İ.  
Journal of mathematical and computational science, no.7, pp.642-657, 2017 (Peer-Reviewed Journal)
- VIII. **On s-Sheaves**  
Oguz G., Icen I., GURSOY M. H.  
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.56, no.3, pp.74-82, 2017 (ESCI)
- IX. **Topological Rough Groups**  
Bağırılmaz N., İÇEN İ., ÖZCAN A. F.  
Topological Algebra and its Applications, vol.4, pp.31-38, 2016 (Peer-Reviewed Journal)
- X. **Rough Approximations in a Topological Group**  
Bağırılmaz N., ÖZCAN A. F., İÇEN İ.  
general mathematics notes, no.36, pp.1-18, 2016 (Peer-Reviewed Journal)
- XI. **The homomorphisms of topological groupoids**  
GURSOY M. H., İÇEN İ.  
Novi Sad Journal of Mathematics, vol.44, no.1, pp.129-141, 2014 (Scopus)
- XII. **The equivalence of topological 2-groupoids and topological crossed modules**  
GURSOY M. H., İÇEN İ., ÖZCAN A. F.  
Algebras, Groups and Geometries, vol.22, pp.447-456, 2005 (Peer-Reviewed Journal)
- XIII. **Topological Crossed Modules and G-Groupoids**  
İÇEN İ., ÖZCAN A. F.  
Algebras, Groups and Geometries, vol.18, pp.401-410, 2001 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **ZIT KENAR DİK ÜÇGEN**  
BEYDAĞI M. M., İÇEN İ., ÖZCAN A. F.  
EGE 6th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 10 September 2022, pp.126
- II. **ALT-OR-MAT KÖPRÜSÜ**  
BEYDAĞI M. M., ÖZCAN A. F., İÇEN İ.  
EGE 6th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 10 September 2022, pp.125
- III. **SOFT GLOBAL ETKİ KAVRAMI**  
ÖZCAN A. F., Geçen S., İÇEN İ.  
TOKAT 1. Uluslararası Bilimsel Araştırmalar Kongresi, Tokat, Turkey, 20 August 2022
- IV. **Kaba Küme Teorisine Lokal Bir Yaklaşım**  
ÖZCAN A. F., BEYDAĞI M. M., İÇEN İ.  
TOKAT 1. Uluslararası Bilimsel Araştırmalar Kongresi, Tokat, Turkey, 20 August 2022
- V. **Sosyal Medya Bağımlısı Öğrencilerin Kaba Küme Ve Lokal Kaba Küme Modeliyle İncelenmesi**  
ÖZCAN A. F., BEYDAĞI M. M., İÇEN İ.  
TOKAT 1. Uluslararası Bilimsel Araştırmalar Kongresi, Tokat, Turkey, 20 August 2022
- VI. **Global Etki Kavramı**  
ÖZCAN A. F., Geçen S., Geçen S., İÇEN İ.  
TOKAT 1. Uluslararası Bilimsel Araştırmalar Kongresi, Tokat, Turkey, 20 August 2022
- VII. **Every global action defines a local equivalence relation**  
İÇEN İ., ÖZCAN A. F.  
4th INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS, Van, Turkey, 22 June 2022
- VIII. **Topological group-groupoids**  
ÖZCAN A. F., İÇEN İ.  
4th INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS, Van, Turkey, 22 June 2022
- IX. **The Equivalence of Soft Group-Groupoids and Soft Crossed Modules**  
OĞUZ G., İÇEN İ., GURSOY M. H.

International Conference on Computational Mathematics and Engineering Sciences, 4 - 06 May 2018

- X. **Notes on the Structure of Soft Crossed Module**  
GÜRSOY M. H., OĞUZ G., İÇEN İ.  
International Conference on Computational Mathematics and Engineering Sciences, 4 - 06 May 2018
- XI. **A Soft Approach to Ring-Groupoids**  
OĞUZ G., GÜRSOY M. H., İÇEN İ.  
International Conference on Computational Mathematics and Engineering Sciences, 4 - 06 May 2018
- XII. **On the Construction of a Novel Categorical Structure**  
İÇEN İ., OĞUZ G., GÜRSOY M. H.  
International Conference on Computational Mathematics and Engineering Sciences, 4 - 06 May 2018
- XIII. **Semi-Topological Rough Groups**  
OĞUZ G., İÇEN İ., GÜRSOY M. H.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 3 - 07 July 2017
- XIV. **Actions of Soft Groups**  
OĞUZ G., İÇEN İ., GÜRSOY M. H.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 3 - 07 July 2017
- XV. **Action of R-Module Groupoids**  
ÖZCAN A. F., Akçil Ç. G., İÇEN İ.  
International Conference on Mathematics and Mathematics Education, 11 - 13 May 2017
- XVI. **On Soft Topological Categories**  
OĞUZ G., İÇEN İ., GÜRSOY M. H.  
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- XVII. **LIE ROUGH GROUPS**  
OĞUZ G., İÇEN İ., GÜRSOY M. H.  
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 18 - 21 April 2017
- XVIII. **Topologies and Approximation Operators Induced by Binary Relations**  
ÖZCAN A. F., BAĞIRMAZ N., TAŞBOZAN H., İÇEN İ.  
2 nd International Eurasian Conference On Mathematical Sciences And Applications, 26 - 29 August 2013
- XIX. **Near Soft Sets and Near Soft Topology**  
ÖZCAN A. F., TAŞBOZAN H., BAĞIRMAZ N., İÇEN İ.  
2 nd International Eurasian Conference On Mathematical Sciences And Applications, 26 - 29 August 2013
- XX. **Modeling the Relations between Countries with Graph Theory and Possible Separations**  
Sulu M., KARCI A., İÇEN İ.  
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.141-145
- XXI. **Topolojik Halka Grupoidlerin Örtüleri**  
ÖZCAN A. F., İÇEN İ., GÜRSOY M. H.  
II. Türk Dünyası Matematik Sempozyumu, Turkey, 4 - 07 July 2007
- XXII. **Gruplardan Grupoidlere**  
İÇEN İ., ÖZCAN A. F., GÜRSOY M. H.  
II. Türk Dünyası Matematik Sempozyumu, Turkey, 4 - 07 July 2007
- XXIII. **Lie Grup Grupoidlerin Örtüleri ve Etkileri**  
GÜRSOY M. H., İÇEN İ., ÖZCAN A. F.  
II. Türk Dünyası Matematik Sempozyumu, Turkey, 4 - 07 July 2007
- XXIV. **Lie Örtü Grupoidleri**  
GÜRSOY M. H., İÇEN İ., ÖZCAN A. F.  
XIX. Ulusal Matematik Sempozyumu, Turkey, 22 - 25 August 2006
- XXV. **Topolojik Halka Grupoidlerin Yükseltmeleri**  
ÖZCAN A. F., İÇEN İ., GÜRSOY M. H.  
XVII. Ulusal Matematik Sempozyumu, Turkey, 23 - 26 August 2004
- XXVI. **Topolojik Grupoidlerin Özel Morfizmleri**

İÇEN İ., GÜRİSOY M. H., ÖZCAN A. F.

XVII. Ulusal Matematik Sempozyumu, Turkey, 23 - 26 August 2004

**XXVII. Topolojik G Grupoidlerin Yükseltmeleri**

ÖZCAN A. F., İÇEN İ., GÜRİSOY M. H.

XVI. Ulusal Matematik Sempozyumu, Turkey, 10 - 12 September 2003

**XXVIII. G Uzaylar ve Lie Grupoidler**

GÜRİSOY M. H., İÇEN İ., ÖZCAN A. F.

I. Geometri Sempozyumu, Turkey, 3 - 04 July 2003

**XXIX. Topolojik Crossed Modüller ve G Grupoidler**

ÖZCAN A. F., İÇEN İ.

XI. Ulusal Matematik Sempozyumu, Turkey, 7 - 11 September 1998

## Metrics

Publication: 58

Citation (WoS): 57

Citation (Scopus): 50

H-Index (WoS): 5

H-Index (Scopus): 5

## Congress and Symposium Activities

International Conference on Applied Analysis and Mathematical Modeling, Attendee, İstanbul, Turkey, 2017

International Conference on Mathematics and Mathematics Education, Attendee, Şanlıurfa, Turkey, 2017

INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, Attendee, Antalya, Turkey, 2017

:International Conference: The 9th Dynamical Systems & Applications, Attendee, Antalya, Turkey, 2016

## Non Academic Experience

Other Public Institution, Tübitak

YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

TÜBİTAK