

## Prof. MUAMMER KULA

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-8934-2021

ScopusID: 13006184500

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### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik / Topoloji, Turkey 1999 - 2003

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Topolojik Kategorilerde Bağlantılılık, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik / Topoloji, 2003

### Research Areas

Mathematics, General Topology, Natural Sciences

### Academic Titles / Tasks

Professor, Erciyes University, Fen Fakültesi, Matematik, 2018 - Continues

Associate Professor, Erciyes University, Fen Fakültesi, Matematik, 2012 - 2018

### Academic and Administrative Experience

Head of Department, Erciyes Üniversitesi, Fen Fakültesi, Matematik, 2019 - Continues

Erciyes University, 2019 - Continues

Birim Kalite Komisyonu Üyesi, Erciyes University, Fen Fakültesi, Matematik, 2017 - Continues

İntibak Komisyon Başkanlığı, Erciyes University, Fen Fakültesi, Matematik, 2011 - 2019

### Advising Theses

Kula M., Bazı Topolojik Kategorilerde Noktada, Genelde T3 Objeler ve Aralarındaki İlişkiler, Postgraduate, B.TEKCAN(Student), 2022

Kula M., Proximity Uzayların Topolojik Kategorisinde ST2,  $\Delta T2$ , ST3,  $\Delta T3$ , Tychonoff, Kompakt ve Bağlantılı objeler, Postgraduate, İ.SARAÇ(Student), 2022

Kula M., Ön Sıralı Cümlelerin (Prord) Topolojik Kategorisinde Bölüm Yansımali ve Çift Yönlü Yansıtıcı Alt Kategoriler, Postgraduate, A.AYDIN(Student), 2021

KULA M., T0 VE T1 PSEUDO-QUASI-SEMİ METRİK UZAYLAR, Doctorate, T.Meryem(Student), 2018

KULA M., Hausdorff ve Regüler Proximity Uzaylar, Doctorate, S.ÖZKAN(Student), 2018

KULA M., Cauchy Uzayların Topolojik Kategorisinde Kapalı, Kompakt ve Bağlantılı Objeler, Postgraduate, M.Kaya(Student), 2016

KULA M., Proximity Uzaylar Kategorisinde Ayrılma Aksiyomları, Doctorate, T.Maraşlı(Student), 2015

KULA M., Proximity Uzaylar, Postgraduate, S.Özkan(Student), 2013

KULA M., Bitopolojik Uzaylar, Postgraduate, A.Kut(Student), 2012

KULA M., Baire Uzayları, Postgraduate, S.Atak(Student), 2011

KULA M., Yığımlar ve Süzgeçler, Postgraduate, A.Kılıç(Student), 2010

KULA M., Precauchy Uzayların Kategorisi, Postgraduate, E.Kılıç(Student), 2009

KULA M., Süzgeç Uzaylar, Postgraduate, S.Yazgan(Student), 2008

KULA M., Cauchy Uzayı Kategorisi, Postgraduate, S.Aktaş(Student), 2007

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

- I. **Closure operators, irreducibility, Urysohn's lemma, and Tietze extension theorem for proximity spaces**  
Özkan S., KULA M., Kula S., Baran T. M.  
Turkish Journal of Mathematics, vol.47, no.2, pp.870-882, 2023 (SCI-Expanded)
- II. **Seperation, irreducibility, Urysohn's lemma and Tietze extension theorem for Cauchy spaces**  
Kula S., KULA M.  
Filomat, vol.37, no.19, pp.6417-6426, 2023 (SCI-Expanded)
- III. **Separation Axioms, Urysohn's Lemma and Tietze Extention Theorem for Extended Pseudo-Quasi-Semi Metric Spaces**  
Baran T. M., Kula M.  
FILOMAT, vol.36, no.2, pp.703-713, 2022 (SCI-Expanded)
- IV. **ST2, ?T2, ST3, ?T3, Tychonoff, compact and ?-connected objects in the category of proximity spaces**  
KULA M.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.2, pp.490-500, 2019 (SCI-Expanded)
- V. **Pre-Hausdorff and Hausdorff Proximity Spaces**  
KULA M., Ozkan S., Marasli T.  
FILOMAT, vol.31, no.12, pp.3837-3846, 2017 (SCI-Expanded)
- VI. **A Note on Closedness and Connectedness in the Category of Proximity Spaces**  
KULA M., Marasli T., Ozkan S.  
FILOMAT, vol.28, no.7, pp.1483-1492, 2014 (SCI-Expanded)
- VII. **Separation properties at p for the topological category of Cauchy spaces**  
Kula M.  
ACTA MATHEMATICA HUNGARICA, vol.136, pp.1-15, 2012 (SCI-Expanded)
- VIII. **A note on Cauchy spaces**  
Kula M.  
ACTA MATHEMATICA HUNGARICA, vol.133, pp.14-32, 2011 (SCI-Expanded)
- IX. **CONNECTEDNESS AND SEPARATION IN THE CATEGORY OF CLOSURE SPACES**  
Baran M., Tokat D., KULA M.  
FILOMAT, vol.24, no.2, pp.67-79, 2010 (SCI-Expanded)

**X. CONDITIONS IMPLYING CONTINUITY OF MAPS**

Baran M., KULA M., Erciyes A.

JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.46, no.4, pp.813-826, 2009 (SCI-Expanded)

**XI. A note on connectedness**

Baran M., Kula M.

PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.68, pp.489-501, 2006 (SCI-Expanded)

## Articles Published in Other Journals

**I. T<sub>2</sub> AND T<sub>3</sub> OBJECTS AT p IN THE CATEGORY OF PROXIMITY SPACES**

Kula M., Özkan S.

Mathematica Bohemica, vol.145, no.2, pp.177-190, 2020 (ESCI)

**II. A note on the category of quasi-proximity spaces**

Kula M., Özkan S.

Publications de l'Institut Mathématique, vol.107, no.121, pp.75-83, 2020 (ESCI)

**III. REGULAR AND NORMAL OBJECTS IN THE CATEGORY OF PROXIMITY SPACES**

KULA M., ÖZKAN S.

KRAGUJEVAC JOURNAL OF MATHEMATICS, vol.43, no.1, pp.127-137, 2019 (ESCI)

**IV. LOCAL PRE-HAUSDORFF EXTENDED PSEUDO-QUASI-SEMI METRIC SPACES**

Baran T. M., KULA M.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.862-870, 2019 (ESCI)

**V. Tychonoff Objects in the Topological Category of Cauchy Spaces**

KULA M., KULA S.

MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.6, pp.28-37, 2018 (Peer-Reviewed Journal)

**VI. T<sub>1</sub> Extended Pseudo-Quasi-Semi Metric Spaces**

Baran T. M., KULA M.

Mathematical Sciences and Applications E-Notes (MSAEN), vol.5, no.1, pp.40-45, 2017 (Peer-Reviewed Journal)

**VII. T<sub>3</sub> AND T<sub>4</sub>-objects in the topological category of cauchy spaces**

KULA M.

Communications, Series A1:Mathematics and Statistics (ESCI), vol.66, no.1, pp.29-42, 2017 (Peer-Reviewed Journal)

**VIII. T<sub>3</sub> and T<sub>4</sub>-Objects at p in the Category of Cauchy Spaces**

KULA M.

MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.4, no.1, pp.6-14, 2016 (Peer-Reviewed Journal)

**IX. Pretopolojik Uzaylar Kategorisinde  $\tau$ -Bağlantılılık**

KULA M.

Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.47-53, 2005 (Peer-Reviewed Journal)

**X. A note on Separation and Compactness in Categories of Convergence Spaces**

Baran M., KULA M.

APPLIED GENERAL TOPOLOGY, vol.4, pp.1-13, 2003 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

**I. Local T<sub>0</sub> Extended Quasi-Pseudo-Semi Metric Spaces**

KULA M., BARAN T. M.

International Conference on Mathematics and Mathematics Education ICMME-2017 on May 11-13, 2017 at Şanlıurfa, 11 - 13 May 2017

**II. Local Pret<sub>2</sub> and T<sub>2</sub> Objects in The Categories of Cauchy Spaces**

KULA M.

International Conference on Mathematics and Mathematics Education ICMME-2017 on May 11-13, 2017 at Şanlıurfa, 11 - 13 May 2017

III. **Regular Objects at  $p$  in the Category of Proximity Spaces**

KULA M., ÖZKAN S.

International Conference on Mathematics and Mathematics Education ICMME-2017 on May 11-13, 2017 at Şanlıurfa, 11 - 13 May 2017

IV. **Local  $T_0$  and  $T_1$  Objects in The Categories of Cauchy Spaces**

KULA M.

International Conference on Mathematics and Mathematics Education ICMME-2017 on May 11-13, 2017 at Şanlıurfa, 11 - 13 May 2017

V.  **$T_3$ -Objects in the Category of Cauchy Spaces**

KULA M.

1st International Conference of Applied Sciences Engineering and Mathematics - ICASEM on May 5-7, 2017 at Izgrev Hotel Struga, 5 - 07 May 2017

VI. **Local  $T_3$ -Objects in the Category of Cauchy Spaces, (Abstract, pp. 31), Mayıs 2017**

KULA M.

1st International Conference of Applied Sciences Engineering and Mathematics - ICASEM on May 5-7, 2017 at Izgrev Hotel Struga, 5 - 07 May 2017

VII. **Local  $T_1$  Pseudo-Semi Metric Spaces**

KULA M., BARAN T. M.

1st International Conference of Applied Sciences Engineering and Mathematics - ICASEM on May 5-7, 2017 at Izgrev Hotel Struga, 5 - 07 May 2017

VIII. **Cauchy Uzaylar Kategorisinde Kuvvetli Bağlantılılık**

KULA M.

11. Ankara Matematik Günleri, AMG 2016 , ANKARA ÜNİV. Ankara, Türkiye, Turkey, 26 - 27 May 2016

IX.  **$T_2$  OBJECTS IN THE CATEGORIES OF CAUCHY SPACES**

KULA M.

International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 May 2016

X. **Connected Cauchy Spaces**

KULA M.

International Conference on Natural Science and Engineering (ICNASE'16) March, 19 - 20 March 2016

XI. **PROXİMİTY UZAYLAR KATEGORİSİNDE KUVVETLİ KAPALILIK**

KULA M., ÖZKAN S., TUĞBA M.

10. Ankara Matematik Günleri, Turkey, 11 - 12 June 2015

## Supported Projects

KULA M., BARAN T. M., Project Supported by Higher Education Institutions,  $T_0$  ve  $T_1$  pseudoquasisemi metrik uzayları, 2017 - 2018

KULA M., KAYA M., Project Supported by Higher Education Institutions, Cauchy Uzayların Topolojik Kategorisinde Kapalı Kompakt ve Bağlantılı Objeler, 2015 - 2016

KULA M., KILIÇ E., Project Supported by Higher Education Institutions, PRECAUCHY UZAYLAR KATEGORİSİ, 2007 - 2009

## Scientific Refereeing

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2017

Project Supported by Higher Education Institutions, July 2016

Turkish Journal Of Mathematics, SCI Journal, February 2016

Project Supported by Higher Education Institutions, November 2015

Turkish Journal Of Mathematics, SCI Journal, June 2015

Turkish Journal Of Mathematics, SCI Journal, April 2015

Project Supported by Higher Education Institutions, February 2015

Project Supported by Higher Education Institutions, January 2015

## Metrics

Publication: 32

Citation (WoS): 28

Citation (Scopus): 60

H-Index (WoS): 4

H-Index (Scopus): 4

## Congress and Symposium Activities

INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians" 3 -5 July 2019, Istanbul, Turkey, Pr eT2 , T2 and T3 Proximity Spaces, Working Group, İstanbul, Turkey, 2019

Kula, M., II. International Scientific and Vocational Studies Congress – Science and Mathematics (BILMES SCI 2018) on July 5-8, 2018 at Nevşehir, Local T4 Objects in the Topological Category of Cauchy Spaces, (Abstract, pp.181 ), Temmuz 2018., Attendee, Nevşehir, Turkey, 2018

Kula, M., Kula, S., II. International Scientific and Vocational Studies Congress – Science and Mathematics (BILMES SCI 2018) on July 5-8, 2018 at Nevşehir, TYCHONOFF OBJECTS IN THE CATEGORY OF PROXİMİTY SPACES, (Abstract, pp.182 ), Temmuz 2018., Attendee, Nevşehir, Turkey, 2018

Kula, M., Kula, S., II. International Scientific and Vocational Studies Congress – Science and Mathematics (BILMES SCI 2018) on July 5-8, 2018 at Nevşehir, Regular Objects at p in the Topological Category of Cauchy Spaces, (Abstract, pp.183 ), Temmuz 2018., Attendee, Nevşehir, Turkey, 2018

Kula, M., International Conference on Mathematics and Mathematics Education ICMME-2018 on June 27-29, 2018 at Ordu, ?-CONNECTED OBJECT IN THE CATEGORY OF PROXİMİTY SPACES, (Abstract, pp.811 ), Haziran 2018., Attendee, Ordu, Turkey, 2018

Kula, M., Özkan S., International Conference on Mathematics and Mathematics Education ICMME-2018 on June 27-29, 2018 at Ordu, A Note on Hausdorffness and Compactness in the Category of Proximity Spaces, (Abstract, pp.813 ), Haziran 2018., Attendee, Ordu, Turkey, 2018

Local Pret2 and T2 Objects in The Categories of Cauchy Spaces, Attendee, Şanlıurfa, Turkey, 2017

Regular Objects at p in the Category of Proximity Spaces, Attendee, Şanlıurfa, Turkey, 2017

Local T3-Objects in the Category of Cauchy Spaces, Attendee, Ohrid, Macedonia, 2017

T3-Objects in the Category of Cauchy Spaces, Attendee, Ohrid, Macedonia, 2017

Local T0 Extended Quasi-Pseudo-Semi Metric Spaces, Attendee, Şanlıurfa, Turkey, 2017

Local T1 Pseudo-Semi Metric Spaces, Attendee, Ohrid, Macedonia, 2017

Local T0 and T1 Objects in The Categories of Cauchy Spaces, Attendee, Şanlıurfa, Turkey, 2017

Cauchy Uzaylar Kategorisinde (Kuvvetli) Bağlantılılık, 11. Ankara Matematik Günleri, AMG 2016, Attendee, Ankara, Turkey, 2016

11. Ankara Matematik Günleri,, Attendee, Ankara, Turkey, 2016

International Conference on Mathematics and Mathematics Education (ICMME-2016), T2 - OBJECTS IN THE CATEGORIES OF CAUCHY SPACES, (Abstract, pp. 540), Attendee, Elazığ, Turkey, 2016

International Conference on Natural Science and Engineering (ICNASE'16), ?-Connected Cauchy Spaces, published in full-text, 83-92., March 19-20, 2016, Kilis, Attendee, Kilis, Turkey, 2016

Workshop on Applications of Topology in Mathematics and Computer Science", Attendee, Ankara, Turkey, 2015

" PROXİMİTY UZAYLAR KATEGORİSİNDE (KUVVETLİ) KAPALILIK", 10. Ankara Matematik Günleri, AMG 2015 , ODTÜ.

Ankara, Türkiye, (Abstract, pp. 103), 2015., Attendee, Ankara, Turkey, 2015

8. Ankara Matematik Günleri, AMG 2013, (Bildirisiz), Attendee, Ankara, Turkey, 2013

BAĞLANTILI PROXIMITY UZAYLAR, XXV. Ulusal Matematik Sempozyumu , Niğde Üni. Niğde, Türkiye, Attendee, Niğde, Turkey, 2012

7. Ankara Matematik Günleri, AMG 2012, Bildirisiz, Attendee, Ankara, Turkey, 2012

PROXIMITY UZAYLAR, XXIV. Ulusal Matematik Sempozyumu , Uludağ Üni. Bursa, Türkiye, Attendee, Bursa, Turkey, 2011

6. Ankara Matematik Günleri, AMG 2011, (Bildirisiz), Attendee, Ankara, Turkey, 2011

XXIII. Ulusal Matematik Sempozyumu, Bildirisiz, Attendee, Kayseri, Turkey, 2010

Pre-Hausdorff closure spaces, 2nd International Conference on Topology and its Applications, Hacettepe University, 06-11 July, Attendee, Ankara, Turkey, 2009

PreTopolojik Uzaylar Kategorisinde -Bağlantılılık, XXI. Ulusal Matematik Sempozyumu, İstanbul Koç Üni., Türkiye, Attendee, İstanbul, Turkey, 2008

Yakınsak Yığın Uzaylar Kategorisinde ?-Bağlantılılık, XX. Ulusal Matematik Sempozyumu, Atatürk Üniv. Erzurum, Türkiye, Attendee, Erzurum, Turkey, 2007

Tychonoff Convergence Spaces, International Conference on Applicable General Topology, Hacettepe University, 12-18 August, Attendee, Ankara, Turkey, 2001

## **Non Academic Experience**

Erciyes Üniversitesi Fen-Edebiyat Fakültesi  
Erciyes Üniversitesi Fen-Edebiyat Fakültesi  
Kırıkkale Üniversitesi Fen-Edebiyat Fakültesi