

# Prof. Serap ÖZTOP KAPTANOĞLU

## Personal Information

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## Education Information

Post Doctorate, Université De Mons-Hainaut, Faculty of Science, Matematik, Belgium 1997 - 1998

Doctorate, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat/Fen Bilimleri/Analiz Ve Fonksiyonlar Teorisi, Turkey 1992 - 1996

## Foreign Languages

English, C1 Advanced

French, C1 Advanced

## Research Areas

Mathematics, Functional Analysis, Fourier Analysis, Abstract Harmonic Analysis, Natural Sciences

## Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2009 - Continues

## Professional Experience

Head of Department, İstanbul Üniversitesi, 2017 - Continues

Head of Department, İstanbul Üniversitesi, 2012 - Continues

## Courses

Matematiksel Mantık, Post Graduate, 2018 - 2019

Seminer, Post Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Fonksiyonel Analiz (II. Öğr), Under Graduate, 2016 - 2017, 2018 - 2019

Türevli Denklemler II, Under Graduate, 2018 - 2019

Harmonik Analizden Konular, Post Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2016 - 2017, 2017 - 2018, 2018 - 2019

Fourier Analiz, Doctorate, 2008 - 2009, 2009 - 2010, 2016 - 2017, 2018 - 2019

Fonksiyonel Analiz, Under Graduate, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2012 - 2013, 2013 - 2014, 2015 - 2016, 2018 - 2019

Kişisel Proje, Under Graduate, 2018 - 2019

Hilbert Uzayları ve Fourier Analiz, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Küreselleşme Çağında Bilim, Under Graduate, 2018 - 2019  
Analizden Konular, Post Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2016 - 2017, 2017 - 2018, 2018 - 2019  
Seminar, Post Graduate, 2016 - 2017, 2017 - 2018  
Topics in Analysis, Post Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019  
Türevli Denklemler, Under Graduate, 2018 - 2019  
Banach ve Operatör Cebirleri, Doctorate, 2016 - 2017, 2017 - 2018  
Küreselleşme Çağında Bilim, Under Graduate, 2017 - 2018  
AnalizIII, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018  
Distribüsyon Uzayları, Doctorate, 2008 - 2009, 2009 - 2010, 2016 - 2017, 2017 - 2018  
Fonksiyonel Analiz, Under Graduate, 2016 - 2017  
Analiz III (II.Öğr), Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018  
AnalizIV, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017  
Analiz IV (II. Öğr), Under Graduate, 2016 - 2017  
Harmonik Analizden Konular, Post Graduate, 2015 - 2016  
Hilbert Uzayları ve Fourier Analiz (II.öğr), Under Graduate, 2015 - 2016, 2016 - 2017  
Fonksiyonel Analiz (II.Öğr.), Under Graduate, 2009 - 2010, 2015 - 2016  
Analiz IV (II. Öğr.), Under Graduate, 2015 - 2016  
Seminer, Post Graduate, 2012 - 2013, 2013 - 2014, 2015 - 2016  
AnalizIV (II.Öğretim), Under Graduate, 2013 - 2014  
Fonksiyonel Analiz(II.Öğretim), Under Graduate, 2010 - 2011, 2013 - 2014  
Analiz II, Under Graduate, 2004 - 2005, 2005 - 2006, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2012 - 2013  
Analizden Konular, Post Graduate, 2013 - 2014  
İntegral Hesap (II.Öğretim), Under Graduate, 2013 - 2014  
Fourier Analiz, Doctorate, 2013 - 2014  
Distribüsyon Uzayları, Doctorate, 2013 - 2014  
AnalizIII (II.Öğretim), Under Graduate, 2013 - 2014  
İntegral Hesap, Under Graduate, 2013 - 2014  
Fonksiyonel Analiz, Under Graduate, 2012 - 2013  
Fourier Analiz, Doctorate, 2012 - 2013  
Analiz I, Under Graduate, 2012 - 2013  
Matematik , Under Graduate, 2012 - 2013  
Distribüsyon Uzayları, Doctorate, 2012 - 2013  
Harmonik Analizden Konular, Post Graduate, 2012 - 2013  
Fonksiyonel Analiz ( İkinci Öğretim ), Under Graduate, 2012 - 2013  
Matematik , Under Graduate, 2012 - 2013  
Analiz II, Under Graduate, 2012 - 2013  
Analiz II (İkinci Öğretim ), Under Graduate, 2012 - 2013  
Analizden Konular, Post Graduate, 2012 - 2013  
Analiz I (İkinci Öğretim ), Under Graduate, 2012 - 2013  
Analiz I (II.Öğretim), Under Graduate, 2010 - 2011  
Analiz II (II.Öğretim), Under Graduate, 2009 - 2010, 2010 - 2011  
Topolojiye Giriş (II. Öğr), Under Graduate, 2010 - 2011  
Topolojiye Giriş, Under Graduate, 2010 - 2011  
Analiz I (II.Öğretim), Under Graduate, 2009 - 2010  
Topolojik vektör Uzayları II , Doctorate, 2007 - 2008  
Topolojik Vektör Uzayları I, Doctorate, 2007 - 2008  
Banach Modulleri, Post Graduate, 2004 - 2005, 2005 - 2006  
Analiz II, Under Graduate, 2003 - 2004, 2006 - 2007  
Topolojik Gruplarda İntegrasyon, Post Graduate, 2004 - 2005, 2005 - 2006  
Analiz II (Fizik), Under Graduate, 2000 - 2001, 2001 - 2002, 2002 - 2003

Analiz I (Fizik), Under Graduate, 2000 - 2001, 2001 - 2002, 2002 - 2003

## Advising Theses

- Öztop Kaptanoğlu S., Some homological properties of Orlicz , Doctorate, R.ÜSTER(Student), 2019  
ÖZTOP KAPTANOĞLU S., Zaman-Frekans Analizi ve Bazı Operatörler Üzerine, Post Graduate, S.Keleş(Student), 2019  
ÖZTOP KAPTANOĞLU S., Amenable Banach Cebirleri ve Beurling Cebirleri, Post Graduate, M.Titiz(Student), 2015  
ÖZTOP KAPTANOĞLU S., Ağırlıklı Orlicz Uzaylarının Soyut Harmonik Analizi, Doctorate, A.Osançlıol(Student), 2013  
ÖZTOP KAPTANOĞLU S., Orlicz Uzaylarında Bileşke Operatörleri, Post Graduate, F.Erbay(Student), 2012  
ÖZTOP KAPTANOĞLU S.,  $L_p$  Uzayları ve Çarpanları, Post Graduate, A.Osançlıol(Student), 2007

## Jury Memberships

- Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, Ekim 2013, Üniversitelerarası Kurul, April, 2014  
Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, Ekim 2013, Üniversitelerarası Kurul, October, 2013

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Disjoint Dynamics on Weighted Orlicz Spaces**  
Chen C., Oztop S., Tabatabaie S. M.  
COMPLEX ANALYSIS AND OPERATOR THEORY, vol.14, 2020 (Journal Indexed in SCI)
- II. **Invariant Subsets and Homological Properties of Orlicz Modules over Group Algebras**  
ÜSTER R., Oztop S.  
TAIWANESE JOURNAL OF MATHEMATICS, vol.24, no.4, pp.959-973, 2020 (Journal Indexed in SCI)
- III. **Twisted Orlicz algebras and complete isomorphism to operator algebras**  
Oztop S., Samei E., Shepelska V.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.477, pp.1114-1132, 2019 (Journal Indexed in SCI)
- IV. **Twisted Orlicz algebras, II**  
Oztop S., Samei E.  
MATHEMATISCHE NACHRICHTEN, vol.292, pp.1122-1136, 2019 (Journal Indexed in SCI)
- V. **Chaotic translations on weighted Orlicz spaces**  
Chen C., Chen K., Oeztop S., Tabatabaie S. M.  
ANNALES POLONICI MATHEMATICI, vol.122, pp.129-142, 2019 (Journal Indexed in SCI)
- VI. **Weak amenability of weighted Orlicz algebras**  
Oztop S., Samei E., Shepelska V.  
ARCHIV DER MATHEMATIK, vol.110, pp.363-376, 2018 (Journal Indexed in SCI)
- VII. **Twisted Orlicz algebras, I**  
Oztop S., Samei E.  
STUDIA MATHEMATICA, vol.236, pp.271-296, 2017 (Journal Indexed in SCI)
- VIII. **WEIGHTED ORLICZ ALGEBRAS ON LOCALLY COMPACT GROUPS**  
Osanciol A., Oztop S.  
JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY, vol.99, pp.399-414, 2015 (Journal Indexed in SCI)
- IX. **p-OPERATOR SPACE STRUCTURE ON FEICHTINGER-FIGA-TALAMANCA-HERZ SEGAL ALGEBRAS**  
Oztop S., Spronk N.  
JOURNAL OF OPERATOR THEORY, vol.74, pp.45-74, 2015 (Journal Indexed in SCI)

- X. **On Minimal and Maximal p-operator Space Structures**  
 Oztop S., Spronk N.  
 CANADIAN MATHEMATICAL BULLETIN-BULLETIN CANADIEN DE MATHEMATIQUES, vol.57, pp.166-177, 2014  
 (Journal Indexed in SCI)
- XI. **Presque périodicité avec poids**  
 Muraz G., Oztop S.  
 Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie, vol.55, pp.295-310, 2012 (Journal Indexed in SCI Expanded)
- XII. **Beurling-Figa-Talamanca-Herz algebras**  
 Oztop S., Runde V., Spronk N.  
 STUDIA MATHEMATICA, vol.210, pp.117-135, 2012 (Journal Indexed in SCI)
- XIII. **Almost periodicity with weight**  
 Muraz G., Oztop S.  
 BULLETIN MATHEMATIQUE DE LA SOCIÉTÉ DES SCIENCES MATHÉMATIQUES DE ROUMANIE, vol.55, pp.295-310, 2012 (Journal Indexed in SCI)
- XIV. **A note on weighted  $A(p)(G)$ -modules**  
 Oztop S.  
 TURKISH JOURNAL OF MATHEMATICS, vol.35, pp.259-265, 2011 (Journal Indexed in SCI)
- XV. **On the multipliers of the intersection of weighted function spaces**  
 Oztop S.  
 TAIWANESE JOURNAL OF MATHEMATICS, vol.11, pp.151-160, 2007 (Journal Indexed in SCI)
- XVI. **A note on multipliers of  $L-p(G, A)$**   
 Oztop S.  
 JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY, vol.74, pp.25-34, 2003 (Journal Indexed in SCI)
- XVII. **Multipliers and tensor products of weighted  $L-p$ -spaces**  
 Oztop S., Gurkanli A.  
 ACTA MATHEMATICA SCIENTIA, vol.21, pp.41-49, 2001 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **On some properties of  $A_{p,q}(G)$  Algebras**  
 ÖZTOP S., Gürkanlı T.  
 Pure and Applied Matematika Sciences, vol.LII, pp.19-30, 2000 (Refereed Journals of Other Institutions)
- II. **Multipliers of Banach valued weighted Function spaces**  
 Öztop S.  
 Int.J.of Mathematics and Mathematical Sciences, vol.24(8), pp.511-517, 2000 (Refereed Journals of Other Institutions)
- III. **Multipliers on some weighted  $L_p$  spaces**  
 ÖZTOP S.  
 Int.J.of Mathematics and Mathematical Sciences, vol.24(9), pp.651-656, 2000 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Twisted Orlicz algebras and locally compact groups**  
 Öztop Kaptanoğlu S.  
 Harmonic and Spectral Analysis, Debrecen, Hungary, 8 - 10 June 2020, pp.14
- II. **Orlicz Algebras on Locally Compact Groups**  
 Öztop Kaptanoğlu S.

- The 48th Canadian Operator Symposium, Toronto, Canada, 25 - 29 May 2020, pp.2
- III. **A survey of Orlicz algebras on locally Compact groups**  
ÖZTOP KAPTANOĞLU S.  
International Workshop on Harmonic Analysis and Operator Theory WHO19, İstanbul, Turkey, 26 August - 29 October 2019, pp.35
- IV. **Gabor Analysis on Heisenberg-Type Group Extensions**  
ÖZTOP KAPTANOĞLU S.  
International Workshop on Operator Theory and Applications, Şangay, China, 23 - 27 July 2018, pp.1
- V. **Twisted Orlicz Algebras as Operator Algebras**  
ÖZTOP KAPTANOĞLU S.  
Advanced Courses in Operator Theory and Complex Analysis, Bolonya, Italy, 11 - 14 June 2018, pp.14
- VI. **Some Properties of Orlicz Algebras on Groups**  
ÖZTOP KAPTANOĞLU S.  
the 6th Workshop on Fourier Analysis and Related Fields, Pecs, Hungary, 23 - 31 August 2017, pp.1
- VII. **A New Approach to Orlicz spaces on Groups**  
ÖZTOP KAPTANOĞLU S.  
ATFA Aspects of Time Frequence Analysis, Torino, Italy, 5 - 07 June 2017, pp.1
- VIII. **A New Approach to Feichtinger Algebras**  
ÖZTOP KAPTANOĞLU S.  
HFS Hilbert Function Spaces 2017, Gargnano, Italy, 29 May - 02 June 2017, pp.1
- IX. **A Note on Twisted Orlicz Algebras**  
ÖZTOP KAPTANOĞLU S.  
Recent Advances in Operator Theory and Operator Algebras, Bangalore, India, 13 - 22 December 2016, pp.9
- X. **Twisted Orlicz Algebra**  
ÖZTOP KAPTANOĞLU S.  
Time-Frequency Analysis and Related Topics, Strobl, Austria, 6 - 10 June 2016, pp.24
- XI. **Minimal Segal algebra in the Figa-Talamanca-Herz algebra**  
ÖZTOP KAPTANOĞLU S.  
10th ISAAC Congress, Macou, China, 3 - 08 August 2015, pp.44-45
- XII. **A Note on p- Feichtinger Algebras**  
ÖZTOP S.  
7th. Conference on Function Spaces at SIUE, Edwardsville, Edwardsville, United States Of America, 20 - 24 May 2014, pp.24
- XIII. **A Note on weighted Orlicz Algebras**  
ÖZTOP S.  
Banach Algebras and Applications, Gothenburg, Sweden, 29 July - 04 August 2013, pp.31
- XIV. **On weighted Orlicz Algebras**  
ÖZTOP S.  
International Conference on Abstract Harmonic Analysis (Çağrılı Konuşmacı), Granada, Spain, 20 - 24 May 2013, pp.21
- XV. **" p-Operator algebra"**  
ÖZTOP S.  
The International Workshop on Functional Analysis, Timisoara, Romania, 1 - 04 October 2012, pp.1
- XVI. **Öztop S. " A Note on Weighted  $L_1(G)$  and Multipliers",**  
ÖZTOP S.  
Abstract Harmonic Analysis Conference 2011, Chern Matematik Enstitüsü, Nankai Üniversitesi, (Çağrılı konuşmacı), China, 1 - 04 June 2011, pp.1
- XVII. **"On Weighted -Modules"**  
ÖZTOP S.  
Satallite Conference on Harmonic Analysis, SATEHA-ICM 2010, Bhubaneswar-, India, 1 - 04 September 2010, pp.1
- XVIII. **" Weighted  $Ap(G)$  Modules"**

ÖZTOP S.

,The Sixth Conference on Function Spaces, Southern Illinois University, Edwardsville,, United States Of America, 1 - 04 May 2010, pp.1

**XIX. A Characterization for Multipliers of some Weighted  $L_1(G,A)$  -Modules**

ÖZTOP S.

MASSE International Congress on Mathematics MICOM2009, Macedonia, 1 - 04 September 2009, pp.26

**XX. A Characterization for Multipliers of Weighted Banach Valued  $L_p(G)$  spaces**

ÖZTOP S.

7th ISAAC Congress, United Kingdom, 1 - 04 July 2009, pp.58

**XXI. A Note on Multipliers of weighted  $L_p(G,A)$  spaces**

ÖZTOP S.

Conference on Time-Frequency Analysis, Austria, 1 - 04 June 2009, pp.58

**XXII. On Multipliers of  $L_p(G,A)$**

ÖZTOP S.

The 20th International Congress of Jangeon Mathematical Society, Turkey, 1 - 04 August 2008, pp.78

**XXIII. A Note on Weighted  $L_1$ -Modules**

ÖZTOP S.

International Sociey for Analysis its Applications and Computation-6th ISAAC Congress, Turkey, 1 - 04 August 2007, pp.15

**XXIV. Weighted Almost Periodicity**

ÖZTOP S.

International Congress of Mathematicians, ICM2006, Spain, 1 - 04 August 2006, pp.21

**XXV. On the multipliers of  $A_{p,q,w}(G)$**

ÖZTOP S.

International Conference Function Spaces, Differential Operators, Nonlinear Analysis -FSDONA-04, Czech Republic, 1 - 04 June 2004, pp.12

**XXVI. A note on the  $A_{p,q}$  - modules**

ÖZTOP S.

International Conference on Sampling Theory and Applications, Austria, 1 - 04 May 2003, pp.15

**XXVII. Construction and analysis of  $A_{p,q,w}(G)$  algebra**

Öztop Kaptanoğlu S.

International Congress of Mathematicians, Beijing, China, 1 - 04 December 2002, no.1, pp.19-30

**XXVIII. A note on the multipliers of some weighted intersection function spaces**

ÖZTOP S.

XIV.Ulusal Matematik Sempozyumu, Eskişehir, Turkey, 1 - 04 September 2001, pp.58

**XXIX. A note on multipliers of Banach valued  $L_p$  spaces related to normed algebras**

ÖZTOP S.

International Conference Function Spaces, Differential Operators, Nonlinear Analysis-FSDONA-01, Germany, 1 - 04 April 2001, no.1, pp.19

**XXX. Multipliers and Tensor Products on the space  $D_{p,q,w}$**

ÖZTOP S.

XI. Ulusal Matematik Sempozyumu, Isparta, Turkey, 1 - 04 September 1998, pp.56

**XXXI. On some properties of  $A_{p,q}(G)$  algebras**

ÖZTOP S., Gürkanlı T.

X.Ulusal matematik Sempozyumu, Bolu, Turkey, 1 - 04 September 1997, pp.22

**XXXII. Ağırlıklı  $L_1(G)$   $nL_p(G)$  Uzayları ve bazı özellikleri**

ÖZTOP S., Gürkanlı T.

VI.Ulusal Matematik Sempozyumu, Gazimagusa, Cyprus (Kktc), 1 - 04 September 1993, pp.58

## Other Publications

- I. **The Multipliers of  $Ap,w(G)$ , Prepublication de L'Institut Fourier**  
ÖZTOP S.  
Other, pp.1-7, 2003
- II. **Weighted Almost Periodicity, Prepublication de L'Institut Fourier**  
ÖZTOP S.  
Other, pp.1-13, 2003

## Activities in Scientific Journals

Complex Analysis And Operator Theory, Committee Member, 2019 - Continues  
Editor, 2018 - Continues  
İstanbul Üniversitesi, Fen Fakültesi Matematik, Fizik, Astronomi Dergisi, Editor, 2012 - Continues  
Committee Member, 2010 - Continues

## Memberships / Tasks in Scientific Organizations

American Mathematical Society, Member, 2006 - Continues, United States Of America  
Türk Matematik Derneği, Principal Member, 1993 - Continues, Turkey

## Invited Congress and Symposium Activities

Harmonic and Spectral Analysis: Recent Developments and Results, Invited Speaker, Debrecen, Hungary, 2020  
International Workshop on Harmonic Analysis and Operator Theory WHO19 , Session Moderator, İstanbul, Turkey, 2019  
International Conference on Abstract Harmonic Analysis, Invited Speaker, Granada, Spain, 2013  
Canadian Mathematical Society (CMS), Summer Meeting , Attendee, Regina, Canada, 2012  
Canadian Operator Symposium (COSY 2012), Attendee, Queen's University, Kingston, Canada, 2012  
Canadian Mathematical Society (CMS), Winter Meeting, Attendee, Toronto, Canada, 2011  
Conferences on Banach Algebras 2011, Attendee, Waterloo, Canada, 2011  
Abstract Harmonic Analysis Conference 2011, Invited Speaker, Tianjin, China, 2011  
5. Ankara Matematik Günleri, Attendee, Ankara, Turkey, 2010  
XXII. Ulusal Matematik Sempozyumu, Attendee, Nesin Matematik Köyü, Şirince-İzmir, Turkey, 2009

## Citations

Total Citations (WOS):36  
h-index (WOS):4