

## Prof. Kamuran SAYGILI

### Personal Information

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**Address:** İstanbul Üniversitesi, Fen Fakültesi Matematik Bölümü, Bayezit İstanbul

### International Researcher IDs

Publons / Web Of Science ResearcherID: AAS-4339-2020

Yoksis Researcher ID: 141615

### Education Information

Doctorate, Bogazici University, Fen-Edebiyat Fakültesi/Fen Bilimleri Enstitüsü, Fizik Bölümü, Turkey 1993 - 1998

Postgraduate, Bilkent Üniversitesi, Fen Fakültesi/Fen Bilimleri Enstitüsü, Matematik Bölümü, Turkey 1991 - 1993

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1986 - 1991

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Cosmology and Spontaneous Symmetry Breaking, Bogazici University, Fen-Edebiyat Fakültesi/Fen Bilimleri Enstitüsü, Fizik Bölümü, 1998

Postgraduate, Cosmological Solutions in Topologically Massive Gravity, Bilkent Üniversitesi, Fen Fakültesi/Fen Bilimleri Enstitüsü, Matematik Bölümü, 1993

### Research Areas

Mathematics, Differential Geometry, Global Analysis, Analysis on Manifolds, Natural Sciences

### Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2014 - Continues

### Academic and Administrative Experience

Head of Department, Istanbul University, Faculty Of Science, Department of Mathematics, 2013 - Continues

Head of Department, Istanbul University, Faculty Of Science, Department of Mathematics, 2014 - 2017

## Courses

Partial Differential Equations, Undergraduate, 2019 - 2020  
Diferansiyel Denklemler, Undergraduate, 2018 - 2019  
Calculus II, Undergraduate, 2018 - 2019  
Diferansiyel Denklemler, Undergraduate, 2018 - 2019  
Calculus I, Undergraduate, 2019 - 2020, 2018 - 2019  
Calculus II, Undergraduate, 2018 - 2019  
Bilgisayarda Matematik Uygulamaları, Undergraduate, 2019 - 2020  
Differential Equations I, Undergraduate, 2019 - 2020, 2018 - 2019  
Bilimsel Arastırma Teknikleri ve Yayın Etigi, Postgraduate, 2016 - 2017  
Reading and Translation in Science II, Undergraduate, 2016 - 2017  
Differential Geometry I, Undergraduate, 2016 - 2017  
Reading and Translation in Science I, Undergraduate, 2016 - 2017  
Integral Geometri, Doctorate, 2016 - 2017  
Seminer, Doctorate, 2014 - 2015  
İntegral Geometriye Giriş, Postgraduate, 2013 - 2014  
Analiz III, Undergraduate, 2013 - 2014  
Diferansiyel Geometri II, Undergraduate, 2013 - 2014  
Analiz IV, Undergraduate, 2012 - 2013  
Yüzeyle Teorisi, Postgraduate, 2013 - 2014  
Diferansiyel Geometri I, Undergraduate, 2013 - 2014

## Jury Memberships

Doctoral Examination, Doktora Yeterlik Sınavı, İstanbul Üniversitesi, February, 2013

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

- I. **Trkalian fields: ray transforms and mini-twistors**  
Saygılı K.  
JOURNAL OF MATHEMATICAL PHYSICS, vol.54, no.10, 2013 (SCI-Expanded)
- II. **Trkalian fields and Radon transformation**  
SAYGILI K.  
JOURNAL OF MATHEMATICAL PHYSICS, vol.51, no.3, 2010 (SCI-Expanded)
- III. **Topologically massive Abelian gauge theory**  
SAYGILI K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.23, no.13, pp.2015-2035, 2008 (SCI-Expanded)
- IV. **Topologically massive gauge theory: A Lorentzian solution**  
SAYGILI K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.22, pp.2961-2976, 2007 (SCI-Expanded)
- V. **Topologically massive magnetic monopoles**  
Aliev A., Nutku Y., Saygılı K.  
CLASSICAL AND QUANTUM GRAVITY, vol.17, no.19, pp.4111-4123, 2000 (SCI-Expanded)
- VI. **Hamilton-Jacobi approach to pre-big bang cosmology at long wavelengths**  
SAYGILI K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.14, no.2, pp.225-239, 1999 (SCI-Expanded)
- VII. **COSMIC STRINGS AND STRINGY MEMBRANES**  
ANIK E., ARIK M., KORNfilt J., SAYGILI K., Yıldız A.

PHYSICS LETTERS B, vol.352, pp.224-227, 1995 (SCI-Expanded)

VIII. **GINGA OBSERVATIONS OF X1820-303 IN THE GLOBULAR-CLUSTER NGC-6624**

ERCAN E., CRUISE A., KELLETT B., SAYGILI K.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.262, no.2, pp.511-520, 1993 (SCI-Expanded)

IX. **Ginga Observations of X1820-303 and its Iron-line Emission**

SAYGILI K., Ercan N., Kelleth B., Cruise M.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.262, 1993 (SCI-Expanded)

## Articles Published in Other Journals

I. **Cosmology with a Scalar-tensor Theory**

SAYGILI K., Arık M.

Balkan Physics Letters, vol.5, 1997 (Peer-Reviewed Journal)

## Scientific Refereeing

Physics Letters B, SCI Journal, August 1997

## Metrics

Publication: 10

Citation (WoS): 22

Citation (Scopus): 19

H-Index (WoS): 3

H-Index (Scopus): 3

## Congress and Symposium Activities

Introductory School on String Theory, Attendee, Trieste, Italy, 1998

Feza Gürsey Memorial Conference, Attendee, İstanbul, Turkey, 1995

Gökove Geometry and Topology Conference, Attendee, Gökova, Turkey, 1994

Hellen School of High Energy Physics, Attendee, Greece, 1992

Gökove Geometry and Topology Conference, Attendee, Gökova, Turkey, 1992

## Scholarships

Araştırmacı Değişim Bursu, Ministry of Education, 2002 - 2002

## Non Academic Experience

TUBİTAK FEZA GURSEY ENSTİTUSU