

## Assoc. Prof. EMRE COŞKUN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-6879-2020

ScopusID: 45561100100

Yoksis Researcher ID: 187866

### Education Information

Doctorate, Michigan State University, Department Of Mathematics, United States Of America 2002 - 2009

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 2000 - 2002

Undergraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1996 - 2000

### Dissertations

Doctorate, The Fine Moduli Space of Representations of Clifford Algebras, Michigan State University, Department Of Mathematics, 2009

Postgraduate, On the Geography problem of spin symplectic 4-manifolds, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2002

### Research Areas

Basic Sciences, Mathematics, Algebraic Geometry

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2017 - Continues

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2013 - 2017

### Advising Theses

COŞKUN E., Calabi-Yau varieties and machine learning, Postgraduate, T.DORUK(Student), 2022

COŞKUN E., Stable Ulrich bundles on Fano 3-folds with Picard number 2, Doctorate, Ö.GENÇ(Student), 2016

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

- I. **Instanton bundles on the blowup of the projective 3-space at a point**  
Casnati G., COŞKUN E., Genc O., Malaspina F.  
Michigan Mathematical Journal, vol.70, no.4, pp.807-836, 2021 (SCI-Expanded)
- II. **ULRICH BUNDLES ON VERONESE SURFACES**  
Coşkun E., Genc O.  
PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.145, pp.4687-4701, 2017 (SCI-Expanded)
- III. **The period-index problem of the canonical gerbe of symplectic and orthogonal bundles**  
BİSWAS I., COŞKUN E., DHİLLON A.  
JOURNAL OF ALGEBRA, vol.446, pp.400-425, 2016 (SCI-Expanded)
- IV. **Ulrich bundles on quartic surfaces with Picard number 1**  
Coskun E.  
COMPTES RENDUS MATHEMATIQUE, vol.351, pp.221-224, 2013 (SCI-Expanded)
- V. **The geometry of Ulrich bundles on del Pezzo surfaces**  
Coskun E., Kulkarni R. S., MUSTOPA Y.  
JOURNAL OF ALGEBRA, vol.375, pp.280-301, 2013 (SCI-Expanded)
- VI. **PFAFFIAN QUARTIC SURFACES AND REPRESENTATIONS OF CLIFFORD ALGEBRAS**  
COŞKUN E., Kulkarni R. S., Mustopa Y.  
DOCUMENTA MATHEMATICA, vol.17, pp.1003-1028, 2012 (SCI-Expanded)
- VII. **The Fine Moduli Space of Representations of Clifford Algebras**  
Coskun E.  
INTERNATIONAL MATHEMATICS RESEARCH NOTICES, no.15, pp.3524-3559, 2011 (SCI-Expanded)
- VIII. **On Nori's obstruction to universal bundles**  
COŞKUN E., DHİLLON A., LEMIRE N.  
Journal of the Ramanujan Mathematical Society, vol.25, pp.359-376, 2010 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **A survey of Ulrich bundles**  
Coşkun E.  
Conference on Analytic and Algebraic Geometry, Mumbai, India, 16 - 20 March 2015, pp.85-106
- II. **On representations of Clifford algebras of Ternary cubic forms**  
Coskun E., Kulkarni R. S., Mustopa Y.  
Conference on New Trends in Noncommutative Algebra, Washington, United States Of America, 9 - 14 August 2010, vol.562, pp.91-92

## Supported Projects

COŞKUN E., TÜBİTAK Project, Cebirsel Varyeteler Üzerinde Vektör Demetleri Ve Modül Uzayları, 2014 - 2017

COŞKUN E., Project Supported by Higher Education Institutions, Del Pezzo Yüzeyleri Üzerinde Ulrich Demetleri, 2014 - 2016

## Scientific Refereeing

Contributions to Algebra and Geometry, Journal Indexed in ESCI, May 2020

## **Tasks In Event Organizations**

Coşkun E., Genç Ö., Jardim M., Bandoleros 2022, Scientific Congress, Ankara, Turkey, Mayıs 2022

Karayayla T., Coşkun E., Kişisel A. U. Ö., Genç Ö., Conference on ACM Bundles on Algebraic Varieties, Scientific Congress, Ankara, Turkey, Haziran 2015

## **Metrics**

Publication: 10

Citation (WoS): 76

Citation (Scopus): 57

H-Index (WoS): 4

H-Index (Scopus): 4

## **Awards**

Coşkun E., ODTÜ Genç Araştırmacı Ödülü, Middle East Technical University, June 2014

## **Non Academic Experience**

Institut des Hautes Etudes Scientifiques

Tata Institute of Fundamental Research

University of Western Ontario