

## Prof. SELMA ALTINOK BHUPAL

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0782-1587

Publons / Web Of Science ResearcherID: G-9104-2013

ScopusID: 23990230900

Yoksis Researcher ID: 107383

### Education Information

Doctorate, University of Warwick, Matematik, United Kingdom 1993 - 1999

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1988 - 1991

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1983 - 1988

### Foreign Languages

English, C1 Advanced

### Research Areas

Mathematics, Natural Sciences

### Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2021 - Continues

### Academic and Administrative Experience

Head of Department, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2023 - Continues

Head of Department, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2009 - 2013

### Supervised Theses

Altinok Bhupal S., Variations of star coloring on graphs, Postgraduate, A.KIRTIŞOĞLU(Student), 2021

Altinok Bhupal S., Genelleştirilmiş splinelar teorisi, Postgraduate, G.DİLAVER(Student), 2020

Altinok Bhupal S., Algebraic structure of generalized splines, Doctorate, S.SARIOĞLAN(Student), 2019

ALTINOK BHUPAL S., Algebraic geometric methods in studying splines, Doctorate, N.SİPAHİ(Student), 2013

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

- I. **Generalized graph splines and the Universal Difference Property**  
ALTINOK BHUPAL S., Anders K., Arreola D., Asencio L., Ireland C., SARIOĞLAN S., Smith L.  
Discrete Mathematics, vol.347, no.6, 2024 (SCI-Expanded)
- II. **Multivariate generalized splines and syzygies on graphs**  
SARIOĞLAN S., Altinok S.  
Journal of Algebra and its Applications, vol.23, no.2, 2024 (SCI-Expanded)
- III. **Flow-up bases for generalized spline modules on arbitrary graphs**  
Altinok Bhupal S., Sarioğlan S.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.20, no.10, 2021 (SCI-Expanded)
- IV. **Basis criteria for generalized spline modules via determinant**  
Altinok Bhupal S., Sarioğlan S.  
DISCRETE MATHEMATICS, vol.344, no.2, 2021 (SCI-Expanded)
- V. **Piecewise polynomials with different smoothness degrees on polyhedral complexes**  
ALTINOK BHUPAL S., Sipahi N. O.  
QUAESTIONES MATHEMATICAE, vol.42, no.5, pp.673-685, 2019 (SCI-Expanded)
- VI. **On the monodromy of Milnor open books**  
ALTINOK BHUPAL S., Bhupal M.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.3, pp.1005-1017, 2018 (SCI-Expanded)
- VII. **On an analog of Pinkham's theorem for non-Tjurina components of rational singularities**  
Altinok S.  
COMPTEs RENDUS MATHEMATIQUE, vol.347, no.11-12, pp.643-646, 2009 (SCI-Expanded)
- VIII. **Generators for semigroup of Lipman**  
Altinok S., TOSUN M.  
Bulletin of the Brazilian Mathematical Society, vol.39, no.1, pp.123-135, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **MINIMUM GENERATING SETS FOR COMPLETE GRAPHS**  
ALTINOK BHUPAL S., Dilaver G.  
Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.13, no.3, pp.1239-1253, 2023 (Scopus)
- II. **Freeness of mixed splines on polyhedral complex**  
ALTINOK BHUPAL S.  
Int. Journal of Mathematical Computation, vol.27, no.4, pp.27-33, 2016 (Peer-Reviewed Journal)
- III. **Minimal page-genus of Milnor open books on links of rational surface singularities**  
ALTINOK BHUPAL S., BHUPAL M. L.  
Contemporary Mathematics, vol.475, pp.1-10, 2008 (Peer-Reviewed Journal)
- IV. **Toric varieties associated with weighted graphs**  
ALTINOK BHUPAL S., TOSUN M.  
International Mathematical Forum, vol.2, pp.1779-1793, 2007 (Peer-Reviewed Journal)
- V. **Constructing new K3 surfaces**  
Altinok Bhupal S.  
Turkish Journal of Mathematics, vol.29, no.2, pp.175-192, 2005 (Peer-Reviewed Journal)
- VI. **Hilbert Series and applicaitons to graded rings**  
ALTINOK BHUPAL S.

International Journal of Mathematics and Mathematical Science, vol.2003, no.7, pp.397-403, 2003 (Peer-Reviewed Journal)

VII. **Fano 3 folds, K3 surfaces and graded rings**

BROWN G., REID M., ALTINOK BHUPAL S.

Contemporary Mathematics journal, no.314, pp.25-53, 2002 (Peer-Reviewed Journal)

## **Supported Projects**

ALTINOK BHUPAL S., SARIOĞLAN S., Project Supported by Higher Education Institutions, Genelleştirilmiş Splinelarda Evrensel Fark Özelliği, 2022 - 2023

## **Metrics**

Publication: 15

Citation (WoS): 2

Citation (Scopus): 15

H-Index (WoS): 1

H-Index (Scopus): 2

## **Non Academic Experience**

Hacettepe Üniv, Öğretim Üyesi

Adnan Menderes Univ, Araştırma Görevlisi-Öğretim Üyesi

ODTU, Araştırma Görevlisi