

## Assoc. Prof. Reşat Aslan

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-8180-9199  
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### Education Information

Doctorate, Harran University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2014 - 2020  
Postgraduate, Harran University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2011 - 2014  
Undergraduate, Akdeniz University, Faculty Of Science, Department Of Mathematics, Turkey  
2004 - 2008

### Foreign Languages

Dutch, C1 Advanced  
English, B2 Upper Intermediate  
German, B2 Upper Intermediate

### Dissertations

Doctorate, Üçgensel bölgede iki değişkenli bernstein-kantorovich operatörü ile yaklaşım, Harran University, 2020  
Postgraduate, Ağırlıklı uzaylarda Kantorovich-Chlodowsky-Szász tipi operatörlerin yaklaşımı ve yaklaşım hızı, Harran University, 2014

### Research Areas

Mathematics, Functional Analysis, Mathematical Logic and Foundations, Operators, Approximations and Expansions,  
Natural Sciences

### Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2023 - Continues

### Academic and Administrative Experience

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

- I. **Approximation by a new Stancu variant of generalized ( $\lambda, \mu$ )-Bernstein operators**  
Cai Q., Aslan R., Özger F., Srivastava H. M.  
AEJ - ALEXANDRIA ENGINEERING JOURNAL, vol.107, pp.205-214, 2024 (SCI-Expanded)
- II. **Rate of approximation of blending type modified univariate and bivariate  $\lambda$ -Schurer-Kantorovich operators**  
Aslan R.  
Kuwait Journal of Science, vol.51, no.1, 2024 (SCI-Expanded)
- III. **Approximation properties of univariate and bivariate new class  $\lambda$ -Bernstein-Kantorovich operators and its associated GBS operators**  
Aslan R.  
Computational and Applied Mathematics, vol.42, no.1, 2023 (SCI-Expanded)
- IV. **On the Durrmeyer variant of  $q$ -Bernstein operators based on the shape parameter  $\lambda$**   
Su L., Aslan R., Zheng F., Mursaleen M.  
Journal of Inequalities and Applications, vol.2023, no.1, 2023 (SCI-Expanded)
- V. **Some approximation results on Chlodowsky type  $q$ -Bernstein-Schurer operators**  
Aslan R., Mursaleen M.  
Filomat, vol.37, no.23, pp.8013-8028, 2023 (SCI-Expanded)
- VI. **Approximation by bivariate Chlodowsky type Szász-Durrmeyer operators and associated GBS operators on weighted spaces**  
Aslan R., Mursaleen M.  
Journal of Inequalities and Applications, vol.2022, no.1, 2022 (SCI-Expanded)
- VII. **SOME APPROXIMATION RESULTS ON A CLASS OF NEW TYPE  $\lambda$ -BERNSTEIN POLYNOMIALS**  
Aslan R., Mursaleen M.  
Journal of Mathematical Inequalities, vol.16, no.2, pp.445-462, 2022 (SCI-Expanded)
- VIII. **Note on a New Construction of Kantorovich Form  $q$ -Bernstein Operators Related to Shape Parameter  $\lambda$**   
Cai Q., Aslan R.  
CMES - Computer Modeling in Engineering and Sciences, vol.130, no.3, pp.1479-1493, 2022 (SCI-Expanded)
- IX. **On a new construction of generalized  $q$ -bernstein polynomials based on shape parameter  $\lambda$**   
Cai Q., Aslan R.  
Symmetry, vol.13, no.10, 2021 (SCI-Expanded)
- X. **Approximation by One and Two Variables of the Bernstein-Schurer-Type Operators and Associated GBS Operators on Symmetrical Mobile Interval**  
Aslan R., İzgi A.  
Journal of Function Spaces, vol.2021, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ON APPROXIMATION PROPERTIES OF STANCU VARIANT  $\lambda$ -SZASZ-MIRAKJAN-DURRMEYER OPERATORS**  
Aslan R., Rathour L.  
KOREAN JOURNAL OF MATHEMATICS, vol.30, no.3, pp.539-553, 2022 (ESCI)
- II. **APPROXIMATION BY SZASZ-MIRAKJAN-DURRMEYER OPERATORS BASED ON SHAPE PARAMETER  $\lambda$**   
Aslan R.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.71, no.2, pp.407-421, 2022 (ESCI)

- III. **Approximation by Szasz-Mirakjan-Baskakov operators based on shape parameter lambda**  
ASLAN R.  
Bulletin of the Transilvania University of Brasov Series III: Mathematics and Computer Science,, vol.1, no.2, pp.1-14, 2022 (Scopus)
- IV. **On a Stancu form Szasz-Mirakjan-Kantorovich operators based on shape parameter  $\lambda$**   
Aslan R.  
Advanced Studies: Euro-Tbilisi Mathematical Journal, vol.15, no.1, pp.151-166, 2022 (ESCI)
- V. **Some Approximation Results by Bivariate Bernstein-Kantorovich Type Operators on a Triangular Domain**  
Aslan R., Izgi A.  
Kyungpook Mathematical Journal, vol.62, no.3, pp.467-484, 2022 (ESCI)
- VI. **Some Approximation Results on lambda-Szasz-Mirakjan-Kantorovich Operators**  
ASLAN R.  
Fundamental journal of mathematics and applications (Online), vol.4, no.3, pp.150-158, 2021 (Peer-Reviewed Journal)
- VII. **On approximation results by modified Bernstein operators via (p,q)-calculus**  
ASLAN R.  
Journal of Advanced Mathematical Studies, vol.14, no.2, pp.236-250, 2021 (Peer-Reviewed Journal)
- VIII. **Some approximation results for a generalization of Szasz-Mirakjan operators based on quantum calculus**  
ASLAN R.  
New Trends in Mathematical Science, vol.2, pp.1-14, 2021 (Peer-Reviewed Journal)
- IX. **Approximation by a new generalization of Sz'asz-Mirakjan operators via (p,q)-calculus**  
ASLAN R., İZGİ A.  
JOURNAL OF NONLINEAR SCIENCE AND APPLICATIONS, vol.14, no.5, pp.310-323, 2021 (Peer-Reviewed Journal)
- X. **On GBS operators of bivariate modified Gamma operators**  
ASLAN R., ÇİÇEK H., İZGİ A.  
Journal of Advanced Mathematical Studies, vol.13, no.2, pp.133-141, 2020 (Peer-Reviewed Journal)
- XI. **Approximation by univariate, bivariate and GBS operators of Chlodowsky-Kantorovich operators**  
ÇİÇEK H., ASLAN R., İZGİ A.  
New Trends in Mathematical Science, vol.2, pp.44-54, 2020 (Peer-Reviewed Journal)
- XII. **Ağırlıklı Uzaylarda q-Szász-Kantorovich-Chlodowsky Operatörlerinin Yaklaşımlar**  
ASLAN R., İZGİ A.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.1, 2020 (Peer-Reviewed Journal)
- XIII. **Some approximation results on modified q-Bersntein operators**  
ASLAN R., İZGİ A.  
JOURNAL OF MATHEMATICAL ANALYSIS, vol.11, no.1, pp.58-70, 2020 (ESCI)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Rate of Approximation for a New Family of  $\lambda$ -Bernstein-Kantorovich Operators ( $\lambda$ -Bernstein-Kantorovich Operatörlerinin Yeni Bir Ailesi için Yaklaşım Hızı)**  
ASLAN R.  
International Dumlupınar Science and Mathematics Congress(Uluslararası Dumlupınar Fen ve Matematik Kongresi), Kütahya, Turkey, 5 - 07 September 2022
- II. **A Note On Modification Of Bernstein Polynomials Based On Post-Quantum Calculus**  
ASLAN R.  
7th International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 25 - 29 May 2021

### III. On Approximation Properties of $\lambda$ -Szász-Durrmeyer Operators

ASLAN R.

7th International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 25 - 29 May 2021

### IV. Approximation by bivariate Bernstein-Kantorovich operators on a triangular domain

ASLAN R., İZGİ A.

2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Turkey, 11 - 13 September 2018

### V. Approximation by modified Bernstein-Chlodowsky operators on weighted spaces

ÇİÇEK H., İZGİ A., ASLAN R.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017

### VI. Some Approximation Properties of Szász-Kantorovich-Chlodowsky Operators Based on $q$ -integer

ASLAN R., İZGİ A., ÇİÇEK H.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017

## Scientific Refereeing

INDIAN JOURNAL OF PURE AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, December 2023

JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, November 2023

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, TRANSACTION A: SCIENCE, Journal Indexed in SCI-E, September 2023

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, TRANSACTION A: SCIENCE, Journal Indexed in SCI-E, July 2023

APPLIED MATHEMATICS E - NOTES, Journal Indexed in ESCI, April 2023

Recent Research in Polynomials, Chapter Scientific / Professional Book Published by Renowned Publishing Houses, February 2023

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, December 2022

JOURNAL OF INEQUALITIES AND APPLICATIONS, Journal Indexed in SCI-E, May 2022

JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, Journal Indexed in SCI-E, January 2022

## Metrics

Publication: 29

Citation (WoS): 87

Citation (Scopus): 82

H-Index (WoS): 7

H-Index (Scopus): 7