

## **Prof.Dr. Halit ORHAN**

### **Kişisel Bilgiler**

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### **Yabancı Diller**

İngilizce, B2 Orta Üstü

### **Yaptığı Tezler**

Doktora, Analitik fonksiyonların belli sınıfları için katsayı eşitsizlikleri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2002

Yüksek Lisans, Düzlemsel Kümelerin Lebesgue Ölçümü ve Soyut Uzaylara genişlemesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 1998

### **Araştırma Alanları**

Matematik, Karmaşık Değişkenli Fonksiyonlar, Temel Bilimler

### **Akademik Unvanlar / Görevler**

Prof.Dr., Atatürk Üniversitesi, Fen Fakültesi, Matematik, 2013 - Devam Ediyor

### **Akademik İdari Deneyim**

### **Verdiği Dersler**

Diferansiyel Denklemler, Lisans, 2023 - 2024

Univalent Fonksiyonlar I, Doktora, 2022 - 2023

Matematik Tarihi ve Felsefesi, Lisans, 2023 - 2024

İLERİ ANALİZ I, Yüksek Lisans, 2023 - 2024

Analiz-I, Lisans, 2023 - 2024

### **Yönetilen Tezler**

Orhan H., Analitik fonksiyonlar için yeni ünivalentlik kriterleri ve quasikonform genişlemeler, Doktora,

M.ÇAĞLAR(Öğrenci), Devam Ediyor

Orhan H., Kompleks düzlemin bazı alt bölgelerinde tanımlı analitik fonksiyonlar için ünivalentlik kriterleri, Doktora,

E.DENİZ(Öğrenci), Devam Ediyor

Orhan H., Al-Oboudi ve Ruscheweyh operatörlerinin kombinasyonu ile tanımlanan bi-yalınlık fonksiyonlarının  $(P,Q)$ -Lucas Polinom katsayıları eşitsizlikleri, Yüksek Lisans, HARIKAN(Öğrenci), 2021

## Jüri Üyelikleri

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Erzurum Teknik Üniversitesi, Temmuz, 2023

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Dicle Üniversitesi, Kasım, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Kafkas Üniversitesi, Eylül, 2022

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Third Hankel Determinant for a Subfamily of Holomorphic Functions Related with Lemniscate of Bernoulli**  
ORHAN H., Çağlar M., Cotîrlă L.  
Mathematics, cilt.11, sa.5, 2023 (SCI-Expanded)
- II. **A New Subclass of Bi-Univalent Functions Defined by a Certain Integral Operator**  
Breaz D., ORHAN H., Cotîrlă L., Arıkan H.  
Axioms, cilt.12, sa.2, 2023 (SCI-Expanded)
- III. **On a new subclass of biunivalent functions associated with the  $(p, q)$ -Lucas polynomials and bi-Bazilevič type functions of order  $\rho + i\xi$**   
ORHAN H., Aktaş İ., Arıkan H.  
Turkish Journal of Mathematics, cilt.47, sa.1, ss.98-109, 2023 (SCI-Expanded)
- IV. **COEFFICIENT BOUNDS FOR Q-STARLIKE FUNCTIONS ASSOCIATED WITH Q-BERNOULLI NUMBERS**  
Çağlar M., ORHAN H., Srivastava H. M.  
Journal of Applied Analysis and Computation, cilt.13, sa.4, ss.2354-2364, 2023 (SCI-Expanded)
- V. **Fekete-Szegő Inequalities for Some Certain Subclass of Analytic Functions Defined with Ruscheweyh Derivative Operator**  
ORHAN H., Cotîrlă L.  
AXIOMS, cilt.11, sa.10, 2022 (SCI-Expanded)
- VI. **Univalence Criteria and Quasiconformal Extension of a General Integral Operator**  
Deniz E., Kanas S., Orhan H.  
UKRAINIAN MATHEMATICAL JOURNAL, cilt.74, sa.1, ss.27-39, 2022 (SCI-Expanded)
- VII. **RADIJ OF k-STARLIKENESS OF ORDER alpha OF STRUVE AND LOMMEL FUNCTIONS**  
Aktas I., Toklu E., Orhan H.  
MISKOLC MATHEMATICAL NOTES, cilt.22, sa.1, ss.5-15, 2021 (SCI-Expanded)
- VIII. **BOUNDS FOR RADII OF CONVEXITY OF SOME q-BESSEL FUNCTIONS**  
Aktas I., ORHAN H.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.57, sa.2, ss.355-369, 2020 (SCI-Expanded)
- IX. **The Fekete-Szegő inequality for subclasses of analytic functions related to modified Sigmoid functions**  
Kamali M., ORHAN H., ÇAĞLAR M.  
TURKISH JOURNAL OF MATHEMATICS, cilt.44, sa.3, ss.1016-1026, 2020 (SCI-Expanded)
- X. **Fekete-Szegő problem for Bi-Bazilevič functions related to Shell-like curves**  
ORHAN H., Magesh N., Abirami C.

- AIMS MATHEMATICS, cilt.5, sa.5, ss.4412-4423, 2020 (SCI-Expanded)
- XI. **Fekete-Szegő inequality for a subclass of analytic functions defined by Komatu integral operator**  
Arikan H., ORHAN H., ÇAĞLAR M.  
AIMS MATHEMATICS, cilt.5, sa.3, ss.1745-1756, 2020 (SCI-Expanded)
- XII. **THE COEFFICIENT ESTIMATES FOR A CLASS DEFINED BY HOHLOV OPERATOR USING CONIC DOMAINS**  
ÇAĞLAR M., Gurusamy P., ORHAN H.  
TWMS JOURNAL OF PURE AND APPLIED MATHEMATICS, cilt.11, sa.2, ss.157-172, 2020 (SCI-Expanded)
- XIII. **A class of meromorphic Bazilevič-type functions defined by a differential operator**  
ZAHOOR A. Q., ARIF M., KHAN N., NOOR K. I., ORHAN H.  
Ukrainian Mathematical Journal, cilt.71, sa.10, ss.1389-1404, 2019 (SCI-Expanded)
- XIV. **PARTIAL SUMS OF MITTAG-LEFFLER FUNCTION**  
Bansal D., ORHAN H.  
JOURNAL OF MATHEMATICAL INEQUALITIES, cilt.12, sa.2, ss.423-431, 2018 (SCI-Expanded)
- XV. **Radii of uniform convexity of some special functions**  
Aktas I., Toklu E., ORHAN H.  
TURKISH JOURNAL OF MATHEMATICS, cilt.42, sa.6, ss.3010-3024, 2018 (SCI-Expanded)
- XVI. **Bounds for radii of starlikeness and convexity of some special functions**  
Aktas I., BARİCZ A., ORHAN H.  
TURKISH JOURNAL OF MATHEMATICS, cilt.42, sa.1, ss.211-226, 2018 (SCI-Expanded)
- XVII. **Second Hankel determinant for certain subclasses of bi-univalent functions involving Chebyshev polynomials**  
ORHAN H., Toklu E., KADIOĞLU E.  
TURKISH JOURNAL OF MATHEMATICS, cilt.42, sa.4, ss.1927-1940, 2018 (SCI-Expanded)
- XVIII. **THIRD HANKEL DETERMINANTS FOR STARLIKE AND CONVEX FUNCTIONS OF ORDER ALPHA**  
ORHAN H., ZAPRAWA P.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.55, sa.1, ss.165-173, 2018 (SCI-Expanded)
- XIX. **Univalence Criteria and Quasiconformal Extensions**  
Caglar M., ORHAN H.  
UKRAINIAN MATHEMATICAL JOURNAL, cilt.68, sa.8, ss.1314-1321, 2017 (SCI-Expanded)
- XX. **p-Subordination chains and p-valence integral operators**  
Deniz E., ORHAN H., Caglar M.  
TURKISH JOURNAL OF MATHEMATICS, cilt.41, sa.4, ss.956-968, 2017 (SCI-Expanded)
- XXI. **Second Hankel Determinant Problem for k-bi-starlike Functions**  
ORHAN H., TOKLU E., KADIOĞLU E.  
FILOMAT, cilt.31, sa.12, ss.3897-3904, 2017 (SCI-Expanded)
- XXII. **RADIJI OF STARLIKENESS OF SOME SPECIAL FUNCTIONS**  
BARİCZ A., Dimitrov D. K., ORHAN H., Yagmur N.  
PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, cilt.144, sa.8, ss.3355-3367, 2016 (SCI-Expanded)
- XXIII. **The Radius of -Convexity of Normalized Bessel Functions of the First Kind**  
Baricz A., ORHAN H., Szasz R.  
COMPUTATIONAL METHODS AND FUNCTION THEORY, cilt.16, sa.1, ss.93-103, 2016 (SCI-Expanded)
- XXIV. **PARTIAL SUMS OF GENERALIZED STRUVE FUNCTIONS**  
Yagmur N., ORHAN H.  
MISKOLC MATHEMATICAL NOTES, cilt.17, sa.1, ss.657-670, 2016 (SCI-Expanded)
- XXV. **Bounds for the second Hankel determinant of certain bi-univalent functions**  
ORHAN H., Magesh N., Yamini J.  
TURKISH JOURNAL OF MATHEMATICS, cilt.40, sa.3, ss.679-687, 2016 (SCI-Expanded)
- XXVI. **Second Hankel determinant for bi-starlike and bi-convex functions of order beta**  
Deniz E., Caglar M., ORHAN H.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.271, ss.301-307, 2015 (SCI-Expanded)

- XXVII. **LOEWNER CHAINS AND UNIVALENCECRITERIA RELATED WITH RUSCHEWEYHAND SALAGEAN DERIVATIVES**  
DENİZ E., ORHAN H.  
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, cilt.5, ss.465-478, 2015 (SCI-Expanded)
- XXVIII. **Differential Subordinations Involving Generalized Bessel Functions**  
Baricz A., DENİZ E., CAĞLAR M., ORHAN H.  
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, cilt.38, sa.3, ss.1255-1280, 2015 (SCI-Expanded)
- XXIX. **Sufficient Conditions For Univalence and Quasiconformal Extensions**  
CAĞLAR M., ORHAN H.  
Indian Journal Of Pure & Applied Mathematics, cilt.46, ss.41-50, 2015 (SCI-Expanded)
- XXX. **Initial Coefficient Bounds for a General Class of Bi-Univalent Functions**  
ORHAN H., Magesh N., Balaji V. K.  
FILOMAT, cilt.29, sa.6, ss.1259-1267, 2015 (SCI-Expanded)
- XXXI. **(alpha, beta, lambda, delta, m, Omega)(p)-Neighborhood for some families of analytic and multivalent functions**  
Orhan H.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIU CONSTANTA-SERIA MATEMATICA, cilt.23, sa.1, ss.225-236, 2015 (SCI-Expanded)
- XXXII. **PARTIAL SUMS OF GENERALIZED BESSEL FUNCTIONS**  
ORHAN H., Yagmur N.  
JOURNAL OF MATHEMATICAL INEQUALITIES, cilt.8, sa.4, ss.863-877, 2014 (SCI-Expanded)
- XXXIII. **Hardy space of generalized Struve functions**  
Yagmur N., ORHAN H.  
COMPLEX VARIABLES AND ELLIPTIC EQUATIONS, cilt.59, sa.7, ss.929-936, 2014 (SCI-Expanded)
- XXXIV. **On the univalence of integral operations involving meromorphic functions**  
DENİZ E., ORHAN H.  
MATHEMATICAL COMMUNICATIONS, cilt.18, sa.1, ss.1-9, 2013 (SCI-Expanded)
- XXXV. **Coefficient bounds for new subclasses of bi-univalent functions**  
Caglar M., ORHAN H., Yagmur N.  
FILOMAT, cilt.27, sa.7, ss.1165-1171, 2013 (SCI-Expanded)
- XXXVI. **SOME GENERALIZATIONS ON THE UNIVALENCE OF AN INTEGRAL OPERATOR AND QUASICONFORMAL EXTENSIONS**  
Caglar M., ORHAN H.  
MISKOLC MATHEMATICAL NOTES, cilt.14, sa.1, ss.49-62, 2013 (SCI-Expanded)
- XXXVII. **Majorization for certain subclasses of analytic functions involving the generalized Noor integral operator**  
Caglar M., ORHAN H., DENİZ E.  
FILOMAT, cilt.27, sa.1, ss.143-148, 2013 (SCI-Expanded)
- XXXVIII. **Univalence criteria for meromorphic functions and quasiconformal extensions**  
Caglar M., ORHAN H.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- XXXIX. **Starlikeness and Convexity of Generalized Struve Functions**  
Yagmur N., ORHAN H.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- XL. **Coefficient Estimates and Other Properties for a Class of Spirallike Functions Associated with a Differential Operator**  
ORHAN H., Raducanu D., CAĞLAR M., BAYRAM M.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- XLI. **THE FEKETE-SZEGO PROBLEM FOR A CLASS OF ANALYTIC FUNCTIONS DEFINED BY DZIOK-SRIVASTAVA OPERATOR**

- Deniz E., ÇAĞLAR M., ORHAN H.  
 KODAI MATHEMATICAL JOURNAL, cilt.35, sa.3, ss.439-462, 2012 (SCI-Expanded)
- XLII. On the univalence of an integral operator defined by Hadamard product**  
 DENİZ E., Raducanu D., ORHAN H.  
 APPLIED MATHEMATICS LETTERS, cilt.25, sa.2, ss.179-184, 2012 (SCI-Expanded)
- XLIII. SOME CONVEXITY PROPERTIES FOR TWO NEW P-VALENT INTEGRAL OPERATORS**  
 Deniz E., Caglar M., ORHAN H.  
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.40, sa.6, ss.829-837, 2011 (SCI-Expanded)
- XLIV. Certain Subclasses of Multivalent Functions Defined by New Multiplier Transformations**  
 DENİZ E., ORHAN H.  
 ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.36, sa.6, ss.1091-1112, 2011 (SCI-Expanded)
- XLV. Coefficient bounds for a subclass of starlike functions of complex order**  
 Caglar M., Deniz E., ORHAN H.  
 APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.3, ss.693-698, 2011 (SCI-Expanded)
- XLVI. Univalence criterion for meromorphic functions and Loewner chains**  
 DENİZ E., ORHAN H.  
 APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.3, ss.751-755, 2011 (SCI-Expanded)
- XLVII. SOME SUFFICIENT CONDITIONS FOR UNIVALENCE OF CERTAIN FAMILIES OF INTEGRAL OPERATORS INVOLVING GENERALIZED BESSEL FUNCTIONS**  
 DENİZ E., ORHAN H., Srivastava H. M.  
 TAIWANESE JOURNAL OF MATHEMATICS, cilt.15, sa.2, ss.883-917, 2011 (SCI-Expanded)
- XLVIII. Subclasses of meromorphically multivalent functions defined by a differential operator**  
 ORHAN H., Raducanu D., DENİZ E.  
 COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.61, sa.4, ss.966-979, 2011 (SCI-Expanded)
- XLIX. SOME NOTES ON EXTENSIONS OF BASIC UNIVALENCE CRITERIA**  
 Deniz E., ORHAN H.  
 JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, cilt.48, sa.1, ss.179-189, 2011 (SCI-Expanded)
- L. SOME PROPERTIES OF CERTAIN SUBCLASSES OF ANALYTIC FUNCTIONS WITH NEGATIVE COEFFICIENTS BY USING GENERALIZED RUSCHEWEYH DERIVATIVE OPERATOR**  
 Deniz E., ORHAN H.  
 CZECHOSLOVAK MATHEMATICAL JOURNAL, cilt.60, sa.3, ss.699-713, 2010 (SCI-Expanded)
- LI. Some general univalence criteria for a family of integral operators**  
 Srivastava H. M., Deniz E., ORHAN H.  
 APPLIED MATHEMATICS AND COMPUTATION, cilt.215, sa.10, ss.3696-3701, 2010 (SCI-Expanded)
- LII. The Fekete-Szegö problem for a generalized subclass of analytic functions**  
 DENİZ E., ORHAN H.  
 Kyungpook Mathematical Journal, cilt.50, sa.1, ss.37-47, 2010 (SCI-Expanded)
- LIII. The Fekete-Szegö problem for subclasses of analytic functions defined by a differential operator related to conic domains**  
 ORHAN H., Deniza E., Raducanu D.  
 COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.59, sa.1, ss.283-295, 2010 (SCI-Expanded)
- LIV. ON SOME SUFFICIENT CONDITIONS FOR UNIVALENCE**  
 Raducanu D., ORHAN H., Deniz E.  
 ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIU CONSTANTA-SERIA MATEMATICA, cilt.18, sa.2, ss.217-222, 2010 (SCI-Expanded)
- LV. Neighborhoods of a certain class of valent functions with negative coefficients defined by using a differential operator**  
 ORHAN H.  
 Mathematical Inequalities and Applications, cilt.12, sa.2, ss.335-349, 2009 (SCI-Expanded)
- LVI. Coefficient inequalities and inclusion relations for some families of analytic and multivalent functions**

- Srivastava H. M., Orhan H.  
APPLIED MATHEMATICS LETTERS, cilt.20, sa.6, ss.686-691, 2007 (SCI-Expanded)
- LVII. **A generalization on subfamily of p-valent functions with negative coefficients**  
ORHAN H., Kiziltunç H.  
Applied Mathematics and Computation, cilt.155, sa.2, ss.521-530, 2004 (SCI-Expanded)
- LVIII. **ON A SUBCLASS OF CERTAIN STARLIKE FUNCTIONS WITH NEGATIVE COEFFICIENTS**  
KAMALİ M., ORHAN H.  
Bulletin Of The Korean Mathematical Society, cilt.41, ss.53-71, 2004 (SCI-Expanded)
- LIX. **On the Fekete-Szegő problem**  
Orhan H., Kamali M.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.144, sa.1, ss.181-186, 2003 (SCI-Expanded)
- LX. **On a subclass of analytic functions with negative coefficients**  
Orhan H.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.142, ss.243-253, 2003 (SCI-Expanded)
- LXI. **A new class of analytic functions with negative coefficients**  
ORHAN H.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.138, ss.531-543, 2003 (SCI-Expanded)
- LXII. **Starlike, convex and close-to convex functions of complex order**  
ORHAN H., KAMALİ M.  
Applied Mathematics and Computation, cilt.135, ss.251-262, 2003 (SCI-Expanded)
- LXIII. **Fractional calculus and some properties of certain starlike functions with negative coefficients**  
Orhan H., Kamali M.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.136, ss.269-279, 2002 (SCI-Expanded)

## Diger Dergilerde Yayınlanan Makaleler

- I. **Upper bounds for Fekete-Szegő functional**  
SAĞSÖZ F., Arıkan H., ORHAN H.  
Boletin de la Sociedad Matematica Mexicana, cilt.29, sa.3, 2023 (ESCI)
- II. **SECOND HANKEL DETERMINANT FOR A CERTAIN SUBCLASS OF ANALYTIC FUNCTIONS DEFINED BY HYPERGEOMETRIC FUNCTIONS**  
ORHAN H., ÇAĞLAR M., ARIKAN H.  
Afrika Matematika, cilt.34, sa.18, 2023 (ESCI)
- III. **SECOND HANKEL DETERMINANT FOR CERTAIN SUBCLASSES OF BI-STARLIKE FUNCTIONS DEFINED BY DIFFERENTIAL OPERATORS**  
Orhan H., Arıkan H., Çağlar M.  
SAHAND COMMUNICATIONS IN MATHEMATICAL ANALYSIS, cilt.20, sa.2, ss.65-83, 2023 (ESCI)
- IV. **FEKETE-SZEGÖ PROBLEM FOR SOME SUBCLASSES OF HOLOMORPHIC FUNCTIONS DEFINED BY THE COMBINATION OF OPOOLA AND BABALOLA DIFFERENTIAL OPERATORS**  
Shaba T. G., ÇAĞLAR M., ORHAN H.  
Analele Universității din Oradea - Fascicola Matematică, cilt.29, sa.2, ss.5-16, 2022 (Hakemli Dergi)
- V. **Coefficient inequalities for new subclasses of bi-univalent functions defined by using the function  $\delta$**   
Sağsöz F., Orhan H.  
Asian-European Journal of Mathematics, cilt.15, sa.9, 2022 (ESCI)
- VI. **COEFFICIENT INEQUALITIES FOR SUBCLASSES OF ANALYTIC FUNCTIONS BASED ON QUASI-SUBORDINATION AND MAJORIZATION RELATED WITH SIGMOID FUNCTIONS**  
Vanitha L., Ramachandran C., Murugusundaramoorthy G., ORHAN H.  
Mathematica, cilt.64, sa.1, ss.130-148, 2022 (Scopus)
- VII. **(P, Q)-Lucas polynomial coefficient relations of bi-univalent functions defined by the combination of Opoola and Babalola differential operators**

- Orhan H, Shaba T. G., Caglar M.  
AFRIKA MATEMATIKA, cilt.33, sa.1, 2022 (ESCI)
- VIII. THE FEKETE-SZEGÖ PROBLEM FOR A GENERALIZED CLASS OF ANALYTIC FUNCTIONS OF COMPLEX ORDER ASSOCIATED WITH q-CALCULUS  
ORHAN H, Porwal S, Magesh N.  
Palestine Journal of Mathematics, cilt.11, sa.3, ss.39-47, 2022 (Scopus)
- IX. THE FEKETE-SZEGÖ PROBLEMS FOR SUBCLASS OF BI-UNIVALENT FUNCTIONS ASSOCIATED WITH SIGMOID FUNCTION  
Orhan H, Murugusundaramoorthy G., Caglar M.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, cilt.37, sa.3, ss.495-506, 2022 (ESCI)
- X. Fekete-Szegö Problem for a Subclass of Analytic Functions Associated with Chebyshev Polynomials  
Caglar M., Orhan H., Kamali M.  
BOLETIM SOCIEDADE PARANAENSE DE MATEMATICA, cilt.40, 2022 (ESCI)
- XI. A COMPREHENSIVE CLASS OF BI-UNIVALENT FUNCTIONS SUBORDINATE TO SHELL-LIKE CURVES  
ORHAN H, Magesh N, SIVAPALAN J., Murthy S.  
Bulletin of the Transilvania University of Brașov Series III: Mathematics and Computer Science, cilt.63, sa.2, 2021 (Hakemli Dergi)
- XII. Coefficient inequalities for new subclasses of bi-univalent functions defined by using the function  $f_{\{8\}}$   
ALTUNTAŞ F., ORHAN H.  
Asian-European Journal of Mathematics, 2021 (ESCI)
- XIII. Certain classes of bi-univalent functions associated with the Horadam polynomials  
ORHAN H, Mamatha P. K., Swamy S. R., Magesh N., Yamini J.  
ACTA UNIVERSITATIS SAPIENTIAE-MATHEMATICA, cilt.13, sa.1, ss.258-272, 2021 (ESCI)
- XIV. Some applications of generalized Alexander integral operator  
ÇAĞLAR M., ORHAN H.  
Southeast Asian Bulletin of Mathematics, 2021 (ESCI)
- XV. Fekete-Szegö problem for certain subclasses of analytic functions defined by the combination of differential operators  
ÇAĞLAR M., ORHAN H.  
BOLETIN DE LA SOCIEDAD MATEMATICA MEXICANA, cilt.27, sa.2, 2021 (ESCI)
- XVI. (P, Q)-Lucas polynomial coefficient inequalities of bi-univalent functions defined by the combination of both operators of Al-Aboudi and Ruscheweyh  
ORHAN H, Arıkan H.  
AFRIKA MATEMATIKA, cilt.32, sa.3-4, ss.589-598, 2021 (ESCI)
- XVII. The Fekete-Szegö functional for generalized starlike and convex functions of complex order  
ORHAN H, Raducanu D.  
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, cilt.14, sa.3, 2021 (ESCI)
- XVIII. FEKETE-SZEGÖ PROBLEM FOR A CLASS OF ANALYTIC FUNCTIONS CONNECTED WITH q-ANALOGUE OF INTEGRAL OPERATOR  
EL-DEEB S. M., ORHAN H.  
Analele Universității din Oradea - Fascicola Matematică, cilt.28, sa.1, ss.15-25, 2021 (Hakemli Dergi)
- XIX. THE FEKETE-SZEGÖ PROBLEM FOR A GENERALIZED CLASS OF ANALYTIC FUNCTIONS OF COMPLEX ORDER ASSOCIATED WITH q-CALCULUS  
ORHAN H, SAURABH P., Magesh N.  
Palestine Journal of Mathematics, 2021 (Scopus)
- XX. FEKETE-SZEGÖ PROBLEM FOR SUBCLASSES OF ANALYTIC FUNCTIONS ASSOCIATED WITH QUASI-SUBORDINATION  
ARIKAN H, ÇAĞLAR M., ORHAN H.  
Bulletin of the Transilvania University of Brașov – Series III Mathematics, Informatics, Physics, cilt.12, sa.2, ss.221-232, 2019 (Scopus)

- XXI. **Radii problems for normalized q-Bessel and Wright functions**  
 Toklu E., Aktas I., ORHAN H.  
*ACTA UNIVERSITATIS SAPIENTIAE-MATHEMATICA*, cilt.11, sa.1, ss.203-223, 2019 (ESCI)
- XXII. **Second Hankel determinant for certain class of bi-univalent functions defined by Chebyshev polynomials**  
 ORHAN H., MAGESH N., Balaji V. K.  
*ASIAN-EUROPEAN JOURNAL OF MATHEMATICS*, cilt.12, sa.2, 2019 (ESCI)
- XXIII. **(theta, mu, tau)-NEIGHBORHOOD FOR ANALYTIC FUNCTIONS INVOLVING MODIFIED SIGMOID FUNCTION**  
 ORHAN H., Caglar M.  
*COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS*, cilt.68, sa.2, ss.2161-2169, 2019 (ESCI)
- XXIV. **On the Fekete-Szegö Problem for a Certain Class of Meromorphic Functions Using q-Derivative Operator**  
 Aouf M. K., ORHAN H.  
*KYUNGPOOK MATHEMATICAL JOURNAL*, cilt.58, sa.2, ss.307-318, 2018 (ESCI)
- XXV. **ZALCMAN CONJECTURE FOR SOME SUBCLASSES OF ANALYTIC FUNCTIONS DEFINED BY SALAGEAN OPERATOR**  
 ORHAN H., TOKLU E.  
*Journal of Advanced Mathematics and Mathematics Education*, cilt.1, sa.1, ss.1-4, 2018 (Hakemli Dergi)
- XXVI. **ON PARTIAL SUMS OF NORMALIZED q-BESSEL FUNCTIONS**  
 Artas I., ORHAN H.  
*COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY*, cilt.33, sa.2, ss.535-547, 2018 (ESCI)
- XXVII. **Certain classes of bi-univalent functions with bounded boundary variation**  
 ORHAN H., MAGESH N., Balaji V. K.  
*TBILISI MATHEMATICAL JOURNAL*, cilt.10, sa.4, ss.17-27, 2017 (ESCI)
- XXVIII. **On neighborhood and partial sums problem for generalized Sakaguchi type functions**  
 CAĞLAR M., ORHAN H.  
*An. St. int., Univ. Al. I. Cuza Iași. Mat. (N.S.)*, cilt.2, ss.1-12, 2017 (Hakemli Dergi)
- XXIX. **Coefficient estimates for a class of bi-univalent functions associated with quasi-subordination**  
 ORHAN H., NANJUNDAN M., YAMINI J.  
*Creative Mathematics and Informatics*, cilt.26, ss.193-199, 2017 (Hakemli Dergi)
- XXX. **Geometric properties of generalized Struve functions**  
 ORHAN H., YAĞMUR N.  
*Analele Stiintifice Ale Universitatii Al I Cuza Din Iasi-Serie Noua-Matematica*, cilt.2, ss.229-244, 2017 (Scopus)
- XXXI. **PARTIAL SUMS OF NORMALIZED DINI FUNCTIONS**  
 AKTAŞ İ., ORHAN H.  
*Journal of Classical Analysis*, cilt.9, ss.127-135, 2016 (Hakemli Dergi)
- XXXII. **Fekete-Szegö problem for certain classes of Ma-Minda bi-univalent functions**  
 ORHAN H., Magesh N., BALAJI V. K.  
*AFRIKA MATEMATIKA*, cilt.27, ss.889-897, 2016 (ESCI)
- XXXIII. **Subclasses of analytic functions defined by a generalized differential operator**  
 ORHAN H.  
*Int. J. Math. Anal.*, 2010 (Hakemli Dergi)
- XXXIV. **Some Subclasses of Close to Convex and Quasi Convex Functions with Respect to k Symmetric Points**  
 WANG Z. G., CHUN Y. G., ORHAN H., AKBULUT S.  
*General Mathematics*, cilt.15, ss.107-119, 2007 (Hakemli Dergi)

- I. **Çok değişkenli Fonksiyonlar, Kısmi türev ve uygulamaları**  
ORHAN H.  
Matemematik-II, Ercan Çelik, Nejmi Cengiz, Tamer Uğur, Editör, Ataturk Universitesi, Erzurum, 2016

### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Neighborhoods and Partial Sums of Meromorphic Functions Defined by Integral Operator**  
ARSLAN U., ORHAN H., ÇAĞLAR M.  
7 th INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians" 11-13 July 2023, İstanbul, Turkey, İstanbul, Türkiye, 11 - 13 Temmuz 2023
- II. **Convexity of Certain Integral Operator Defined by Le Roy-Type Mittag-Leffler Functions**  
ARIKAN H., ORHAN H., ÇAĞLAR M.  
7 th INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians" 11-13 July 2023, İstanbul, Turkey, İstanbul, Türkiye, 11 - 13 Temmuz 2023, ss.215-225
- III. **Zalcman Functional for Alpha-Convex Functions Associated with the Exponential Function**  
ARIKAN H., ORHAN H., DENİZ E.  
7 th INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians" 11-13 July 2023, İstanbul, Turkey, İstanbul, Türkiye, 11 - 13 Temmuz 2023
- IV. **On  $q$ -starlike and  $q$ -convex functions defined by using the function  $f\delta$**   
Sağsöz F., Orhan H.  
5th INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Van, Türkiye, 8 - 10 Haziran 2021, ss.69
- V. **On Convexity Properties of Some  $q$ -Bessel Functions**  
AKTAŞ İ., ORHAN H.  
International Conference on Mathematical Studies and Applications 2018 (ICMSA2018), Karaman, Türkiye, 4 - 06 Ekim 2018
- VI. **Some geometric properties of Struve and Lommel functions**  
AKTAŞ İ., TOKLU E., ORHAN H.  
The Third International Conference on Advances in Natural and Applied Sciences (ICANAS 2018), Antalya, Türkiye, 9 - 12 Mayıs 2018
- VII. **Radii problems for normalized  $q$ -Bessel and Wright functions**  
TOKLU E., AKTAŞ İ., ORHAN H.  
The Third International Conference on Advances in Natural and Applied Sciences (ICANAS 2018), Antalya, Türkiye, 9 - 12 Mayıs 2018
- VIII. **Studies on the radii of uniform convexity of some special functions**  
AKTAŞ İ., TOKLU E., ORHAN H.  
The Third International Conference on Computational Mathematics and Engineering Sciences (CMES-2018), Girne, Kıbrıs (Kktc), 4 - 06 Mayıs 2018
- IX.  **$\alpha$ -Convexity of Some Struve and Lommel Functions**  
DENİZ E., ORHAN H., ÇAĞLAR M.  
4 th INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS, KUŞADASI, Türkiye, 11 - 15 Mayıs 2017
- X. **PARTIAL SUMS OF GENERALIZED STRUVE FUNCTIONS**  
YAĞMUR N., ORHAN H., AKTAŞ İ.  
5th International Conference on Mathematics and Informatics, 4 - 06 Eylül 2015
- XI. **Bounds for the Second Hankel Determinant of Certain Bi Univalent Functions**  
ORHAN H., NANJUNDAN M., VK B.  
5th International Conference on Mathematics and Informatics, 4 - 06 Eylül 2015
- XII. **Coefficient Inequalities for Analytic Functions Belonging to the Subclasses  $S^*(m)$  ( $\lambda, \mu, \rho, \alpha$ ) and  $F^*(m)$  ( $\delta, \beta, u, \gamma$ )**

ORHAN H., Caglar M., Deniz E.

International Conference on Mathematical Sciences, Bolu, Türkiye, 23 - 27 Kasım 2010, cilt.1309, ss.169-179

### XIII. The order of convexity of two p-valent integral operators

Deniz E., Caglar M., ORHAN H.

International Conference on Mathematical Sciences, Bolu, Türkiye, 23 - 27 Kasım 2010, cilt.1309, ss.234-240

## Desteklenen Projeler

ORHAN H., Yükseköğretim Kurumları Destekli Proje, ANALİTİK FONKSİYONLARIN UNİVALENTLİK KRİTERLERİ, QUASI-KONFORMAL GENİŞLEME VE ANALİTİK FONKSİYONLARIN ALTSINIFLARININ BAZI ÖZELLİKLERİ, 2012 - 2013

ORHAN H., Yükseköğretim Kurumları Destekli Proje, ANALİTİK VE ÜNİVALANT FONKSİYONLAR İÇİN YENİ SONUÇLAR VE UYGULAMALARI, 2010 - 2011

## Bilimsel Dergilerdeki Faaliyetler

Journal of Advanced Mathematics and Mathematics Education, Editör, 2018 - Devam Ediyor

Ağrı İbrahim Çeçen University, Graduate School of Natural and Applied Sciences, Editörler Kurulu Üyesi, 2015 - Devam Ediyor

Journal of Scientific and Engineering Research, Editörler Kurulu Üyesi, 2014 - Devam Ediyor  
Editörler Kurulu Üyesi, 2014 - Devam Ediyor

## Bilimsel Hakemlikler

Düzen Resmi Kurumlarca Desteklenen Proje, Atatürk Üniversitesi, Türkiye, Şubat 2024

ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, ESCI Kapsamındaki Dergi, Haziran 2023

Bilimsel Yayın/Eser, Eğitim Fakültesi, Anadolu Üniversitesi, Türkiye, Haziran 2023

BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, SCI Kapsamındaki Dergi, Nisan 2023

Bilimsel Yayın/Eser, Erzurum 1. İdare Mahkemesi, Van Yüzüncü Yıl Üniversitesi, Türkiye, Mart 2023

Asian Journal of Mathematics and Computer Research, Diğer İndekslerce Taranan Dergi, Mayıs 2022

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