

## Assoc. Prof. ŞAMİL AKÇAĞIL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-6373-2020

ScopusID: 55567221700

Yoksis Researcher ID: 28630

### Education Information

Doctorate, Sakarya University, Institute Of Science, Uygulamalı Matematik (Dr), Turkey 2009 - 2013

Postgraduate, Balıkesir University, Institute Of Science, Matematik (YI) (Tezli), Turkey 2001 - 2005

Undergraduate, Balıkesir University, Necatibey Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey 1995 - 2000

### Dissertations

Doctorate, Lineer olmayan sobolev türü kısmi türevli diferansiyel denklemlerin Tanh-Coth yöntemi ile çözümü, Sakarya University, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (Dr), 2013

Postgraduate, Fibonacci sayıları ve altın oran, Balıkesir University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2005

### Academic and Administrative Experience

Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

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Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2010 - 2010

### Courses

FİN151 TİCARİ MATEMATİK, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018

MAT122 MATEMATİK-II, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2012 - 2013, 2011 - 2012, 2010 -

2011, 2009 - 2010

MAT121 MATEMATİK-I, Associate Degree, 2019 - 2020, 2018 - 2019, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

İST110 İSTATİSTİK, Associate Degree, 2019 - 2020, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

İSL105 GENEL MATEMATİK, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

İSL201 İSTATİSTİK, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

MAT102 MATEMATİK-II, Undergraduate, 2013 - 2014

MAT101 MATEMATİK-I, Undergraduate, 2013 - 2014

MAT125 GENEL MATEMATİK, Associate Degree, 2012 - 2013, 2011 - 2012, 2010 - 2011

MAT123 MATEMATİK, Associate Degree, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

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

- I. **On the relations between some well-known methods and the projective Riccati equations**  
Akçağll Ş.  
Open Physics, vol.18, no.1, pp.613-618, 2020 (SCI-Expanded)
- II. **Unification of all hyperbolic tangent function methods**  
Gözükizil Ö. F., Akçağll Ş., Aydemir T.  
Open Physics, vol.14, no.1, pp.524-541, 2016 (SCI-Expanded)
- III. **The tanh-coth method for some nonlinear pseudoparabolic equations with exact solutions**  
Gözükizil Ö. F., Akçağll Ş.  
Advances in Difference Equations, vol.2013, 2013 (SCI-Expanded)
- IV. **Travelling wave solutions to the Benney-Luke and the higher-order improved boussinesq equations of Sobolev type**  
Gözükizil Ö. F., Akçağll Ş.  
Abstract and Applied Analysis, vol.2012, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Comparative Analysis of Exact Solutions for the Phi-four Equation**  
AKÇAĞIL Ş.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.9, no.3, pp.496-500, 2019 (Peer-Reviewed Journal)
- II. **Travelling Wave Solutions for the Long-Short-Wave Interaction System Using the Unified Method**  
AKÇAĞIL Ş.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.7, no.1, pp.133-143, 2018 (Peer-Reviewed Journal)
- III. **A new Application of the unified method**  
AKÇAĞIL Ş., AYDEMİR T.  
New Trends in Mathematical Sciences, vol.6, no.1, pp.166-180, 2018 (Peer-Reviewed Journal)
- IV. **Exact travelling wave solutions of nonlinear pseudoparabolic equations by using the  $G'/G$  Expansion Method**  
AKÇAĞIL Ş., AYDEMİR T., GÖZÜKİZİL Ö. F.  
New Trends in Mathematical Sciences, vol.4, no.4, pp.51-66, 2016 (Peer-Reviewed Journal)
- V. **The Tanh-Coth Method for Two System of Sobolev Type Equations In Mathematical Physics**  
AKÇAĞIL Ş., GÖZÜKİZİL Ö. F.  
Manas Journal of Engineering, vol.4, no.1, pp.52-62, 2016 (Peer-Reviewed Journal)
- VI. **New exact solutions for the Khokhlov-Zabolotskaya-Kuznetsov, the Newell-Whitehead-Segel and the Rabinovich wave equations by using a new modification of the tanh-coth method**  
AKÇAĞIL Ş., AYDEMİR T.  
COGENT MATHEMATICS, vol.3, no.1, pp.1-12, 2016 (ESCI)

- VII. **Comparison between the new ( $G'/G$ ) expansion method and the extended homogeneous balance method**  
 AKÇAĞIL Ş., AYDEMİR T., GÖZÜKIZIL Ö. F.  
 New Trends in Mathematical Sciences, vol.3, no.4, pp.223-236, 2015 (Peer-Reviewed Journal)
- VIII. **Travelling wave solutions for the coupled IBq equations by using the tanh-coth method**  
 Gozukizil O. F., AKÇAĞIL Ş.  
 Journal of Applied Mathematics, vol.2014, 2014 (Scopus)

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

- I. **The link between some well known methods and the projective Riccati equations**  
 AKÇAĞIL Ş.  
 INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 10 - 13 March 2019
- II. **Comparative Analysis of Exact Solutions for the Phi-four Equation**  
 AKÇAĞIL Ş.  
 INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2018, 20 - 24 June 2018
- III. **A NEW EFFECTIVE METHOD TO SOLVE NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS: THE UNIFIED METHOD**  
 AKÇAĞIL Ş., AYDEMİR T., GÖZÜKIZIL Ö. F.  
 INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 12 - 15 July 2016
- IV. **New Exact Solutions for the Khoklov-Zabolotskaya-Kuznetsov, the Newell-Whitehead-Segel and the Rabinovich wave equations**  
 AKÇAĞIL Ş., AYDEMİR T.  
 2nd INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS, 3 - 06 July 2015
- V. **Comparison between the ( $G'_{xx}/G$ ) - expansion method and the modified extended tanh method**  
 AKÇAĞIL Ş., AYDEMİR T.  
 INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 8 - 12 June 2015
- VI. **Travelling Wave Solutions to the Benney-Luke and the Higher-Order Improved Boussinesq Equations of Sobolev Type**  
 GÖZÜKIZIL Ö. F., AKÇAĞIL Ş.  
 INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, 3 - 07 September 2012
- VII. **The tanh-coth method for some nonlinear pseudoparabolic equations with exact solutions**  
 GÖZÜKIZIL Ö. F., AKÇAĞIL Ş.  
 International Congress in Honour of Professor Hari M. Srivastava, 23 - 26 August 2012
- VIII. **Exact Solutions of Benjamin-Bona-Mahony-Burgers Type Nonlinear Pseudo-Parabolic Equations**  
 GÖZÜKIZIL Ö. F., AKÇAĞIL Ş.  
 INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND ALGEBRA, 20 - 24 June 2012