

## **Asst. Prof. MIR MOHAMMAD REZA ALAVI MILANI**

### **Personal Information**

**Web:** <https://avesis.atauni.edu.tr/mohammad.milani>

### **International Researcher IDs**

ORCID: 0000-0001-6190-5952

Yoksis Researcher ID: 284250

### **Education Information**

Doctorate, Karadeniz Technical University, Fen Bilimleri, Bilgisayar Mühendisliği, Turkey 2010 - 2015

Postgraduate, Amir Kabir Teknik Üniversitesi, Fen Bilimleri, Bilişim Mühendisliği, Iran 2004 - 2007

Undergraduate, University of Tehran, Fen Bilimleri, Bilgisayar Mühendisliği, Iran 1984 - 1998

### **Foreign Languages**

English, B2 Upper Intermediate

### **Dissertations**

Doctorate, DESIGN AND APPLICATIONS OF GRAMMAR-BASED METHODOLOGIES FOR AUTOMATIC GENERATION AND STEP-BY-STEP SOLVING OF MATHEMATICAL EXPRESSIONS, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Bilgisayar Mühendisliği, 2015

Postgraduate, Using Data Mining in Education , Amir Kabir Teknik Üniversitesi, Fen Bilimleri, Bilgisayar Mühendisliği, 2007

### **Research Areas**

Computer Sciences, algorithms, Engineering and Technology

### **Academic Titles / Tasks**

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2016 - Continues

Assistant Professor, University Of Eurasia, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2015 - 2016

### **Courses**

Görsel Programlama, Undergraduate, 2018 - 2019, 2017 - 2018

Ayrık Matematik, Undergraduate, 2017 - 2018

Programlama Dilleri, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Veri Güvenliği , Postgraduate, 2018 - 2019, 2017 - 2018

Digital Steganography , Postgraduate, 2017 - 2018

Bilg. Org. ve Tasarımı, Undergraduate, 2016 - 2017  
Mikrodenetleyiciler, Undergraduate, 2017 - 2018  
Veri Org. ve Yönetimi, Undergraduate, 2016 - 2017  
İleri Programlama, Undergraduate, 2016 - 2017  
Programlamaya Giriş, Undergraduate, 2016 - 2017

## **Jury Memberships**

Post Graduate, Yüksek Lisans Tez Savunma, Karadeniz Teknik Üniversitesi, March, 2017

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

- I. **Rule-Based Production of Mathematical Expressions**  
Milani M. M. R., HOSSEINPOUR S., PEHLİVAN H.  
MATHEMATICS, vol.6, no.11, 2018 (SCI-Expanded)
- II. **A Step-by-Step Solution Methodology for Mathematical Expressions**  
HOSSEINPOUR S., Milani M. M. R., PEHLİVAN H.  
SYMMETRY-BASEL, vol.10, no.7, 2018 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **A Grammar-based Methodology for Producing Mathematical Expressions**  
HOSSEINPOUR S., ALAVI MILANI M. M. R., PEHLİVAN H.  
International Journal of Innovative Studies in Sciences and Engineering Technology(IJISSET), vol.3, 2017 (Peer-Reviewed Journal)
- II. **A PROBLEM GENERATOR SYSTEM TO LEARN FİRST-DEGREE EQUATIONS**  
ALAVI MILANI M. M. R., PEHLİVAN H., HOSSEINPOUR S.  
The Eurasia Proceedings of Educational Social Sciences (EPESS), pp.361-366, 2014 (Peer-Reviewed Journal)
- III. **Rates associated problem-solving ability with programming in computer students**  
HABİBİ A., ALAVI MILANI M. M. R.  
International Journal of Education in mathematics, pp.854-858, 2014 (Peer-Reviewed Journal)
- IV. **Taylor and Maclaurin Series Expansion Using Compiler-Compiler Tools**  
ALAVI MILANI M. M. R., PEHLİVAN H., HOSSEINPOUR S.  
Mathematical Sciences International Research Journal, vol.3, pp.470-477, 2014 (Peer-Reviewed Journal)
- V. **A new heuristic approach for inverse kinematics of robot arms**  
ÇAVDAR T., ALAVI MILANI M. M. R.  
Advanced Science Letters, vol.19, pp.329-333, 2013 (Scopus)

## **Books & Book Chapters**

- I. **Automatic Generation and Solving of mathematical expressions: Design and Applications**  
ALAVI MILANI M. M. R.  
LAP LAMBERT Academic Publishing, 2017
- II. **Learning VB programming**  
ALAVI MILANI M. M. R.  
Iran'xxs Ministry of Education, Tahran, 2006

## Refereed Congress / Symposium Publications in Proceedings

- I. **The step-by-step derivatives of mathematical expressions through a computer algebra system**  
ALAVI MILANI M. M. R., PEHLİVAN H., HOSSEINPOUR S.  
1st International Instructional Technologies Teacher Education Symposium, 26 - 28 June 2013
- II. **The Application of Data Mining in Education**  
ALAVI MILANI M. M. R., HOSSEINPOUR S.  
1st International Instructional Technologies Teacher Education Symposium, 26 - 28 June 2013
- III. **Ters Kinematik Problemine Sezgisel bir Yaklaşım**  
Rahmanparast A., ALAVI MILANI M. M. R.  
AKADEMİK BİLİŞİM 2013, Antalya, Turkey, 23 - 25 January 2013
- IV. **Bulanık Mantığı Kullanarak Bitki Tanıma Sistemi**  
Chavushi H., ALAVI MILANI M. M. R.  
AKADEMİK BİLİŞİM 2013, Antalya, Turkey, 23 - 25 January 2013
- V. **Particle swarm optimization—based determination of Ziegler-Nichols parameters for PID controller of brushless DC motors.**  
ALAVI MILANI M. M. R., ÇAVDAR T., faryad v.  
NISTA 2012 : International Symposium on Innovations in Intelligent Systems and Applications- IEEE, Trabzon, Turkey, 2 - 04 July 2012
- VI. **Parola Güvenliliğine Yeni Bir Yaklaşım**  
Rahkar Farshı T., ALAVI MILANI M. M. R.  
Akademik Bilişim 2012, Uşak, Turkey, 1 - 03 February 2012
- VII. **OTP Tabanlı DNA Şifreleme Yöntemi**  
ALAVI MILANI M. M. R., PEHLİVAN H., HOSSEINPOUR S.  
Akademik Bilişim 2012, Uşak, Turkey, 1 - 03 February 2012
- VIII. **Steganografi’de Ilke ve Yöntemler ve Küçük Siyah-Beyaz Görüntüleri için Bir Steganografi Yöntem**  
ALAVI MILANI M. M. R., HOSSEINPOUR S., PEHLİVAN H.  
AKADEMİK BİLİŞİM 2011, Malatya, Turkey, 2 - 04 February 2011
- IX. **Kaos Tabanlı Bir Şifreleme Yöntemi ve Analizi**  
ALAVI MILANI M. M. R., PEHLİVAN H., HOSSEINPOUR S.  
AKADEMİK BİLİŞİM 2011, Malatya, Turkey, 2 - 04 February 2011
- X. **Mobil İletişim Nesillerin Evrim İncelemesi: 4G’ye kadar**  
faryad v., ALAVI MILANI M. M. R.  
Akademik Bilişim 2011, Malatya, Turkey, 2 - 04 February 2011

## Metrics

Publication: 20

Citation (WoS): 4

Citation (Scopus): 11

H-Index (WoS): 1

H-Index (Scopus): 1

## Non Academic Experience

innotech yazılım (KTU Teknokent)