

**ASSIST. PROF. DR. ŞAHİN AYDIN**

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**Education**

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**Doctorate**

- ▶ Kadir Has University  
School of Graduate Studies  
Management Information Systems  
2015 - 2020

**Graduate**

- ▶ Istanbul University  
Institute of Graduate Studies in Sciences  
M.Sc. in Informatics  
2009 - 2013

**Undergraduate**

- ▶ Marmara University  
Atatürk Faculty of Education  
B.Sc. in Computer Education and Instructional Technologies  
2005 - 2009

**High School**

- ▶ Sezai Türkeş – Feyzi Akkaya Anatolian Technical High School  
Computer Software Department  
2000 - 2004
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## Technical Adequacies

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- ▶ C#

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  - ▶ Python

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  - ▶ C++

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  - ▶ Java

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  - ▶ Pascal

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  - ▶ Visual Basic

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  - ▶ ASP .NET MVC

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  - ▶ ASP .NET Web Forms

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  - ▶ MS SQL SERVER

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  - ▶ ADO .NET, ADO .NET Entity Framework

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  - ▶ LINQ

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  - ▶ WCF (Windows Communication Foundation)

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  - ▶ WPF (Windows Presentation Foundation)

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  - ▶ Workflow Foundation

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  - ▶ Objective-C and iPhone/iPad Applications Development

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  - ▶ Silverlight

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  - ▶ Windows Phone

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  - ▶ JSON, XML / XML Web Services

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  - ▶ HTML , JavaScript, jQuery

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  - ▶ Arduino and Raspberry Pi Applications Development

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  - ▶ Object Oriented Programming, Design Patterns(GangOfFour)

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  - ▶ UML
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## Certifications

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|--------|--|
| ▶ MCP  | Microsoft Certified Professional   |
| ▶ MCT  | Microsoft Certified Trainer  |
| ▶ MCPD | Microsoft Certified Professional Developer Web Developer                                       |
| ▶ MCPD | Microsoft Certified Professional Developer Windows Developer                                   |
| ▶ MCPD | Microsoft Certified Professional Developer Windows Phone Developer                             |
| ▶ MCPD | Microsoft Certified Professional Developer Silverlight Developer                               |
| ▶ MCTS | Microsoft Certified Technology Specialist .NET Framework 4.0 Data Access                       |
| ▶ MCTS | Microsoft Certified Technology Specialist .NET Framework 4.0 Web Applications                  |
| ▶ MCTS | Microsoft Certified Technology Specialist .NET Framework 4.0 Windows Applications              |
| ▶ MCTS | Microsoft Certified Technology Specialist Silverlight 4.0 Development                          |
| ▶ MCTS | Microsoft Certified Technology Specialist .NET Framework 4.0 Service Communication Application |

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## Work Experience

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**Işık University**  
**Faculty of Arts and Sciences**  
**Department of Information Technologies**  
**Management Information Systems**  
Assistant Professor | 2020 – Present

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**Okan University / Faculty of Applied Sciences / Department of Management Information Systems**  
Visiting Lecturer | 2015 – 2020

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**Istanbul Ayvansaray University / Faculty of Engineering / Department of Computer Engineering**  
Lecturer | 2019 – 2020

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**Istanbul Ayvansaray University / Plato College of Higher Education/ Computer Programming**  
Head of the Department | 2011 - 2014

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**Istanbul Ayvansaray University / Plato College of Higher Education/ Computer Programming**  
Lecturer | 2011 - 2020

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**Bilge Adam Academy**  
Software and Database Trainer | 2011 - 2013

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## Scholarships/Achievements

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- ▶ Kadir Has University Scholarship

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  - ▶ Marmara University - Computer Education & Instructional Technologies  
Graduation with the Highest Degree

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  - ▶ Ministry of National Education Scholarship

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  - ▶ Hüsnü Özyeğin Foundation Scholarship

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  - ▶ Sezai Türkeş – Feyzi Akkaya Anatolian Technical High School  
Graduation with the Second Highest Degree
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## Teaching Courses

| Level         | Language | Courses                                      |
|---------------|----------|--|
| Graduate      | Turkish  | Introduction to Algorithm and Programming    |
| Undergraduate | Turkish  | Algorithms                                   |
| Undergraduate | Turkish  | Advanced Web Programming                     |
| Undergraduate | Turkish  | Object-oriented Programming                  |
| Undergraduate | Turkish  | Service Oriented Software Architecture       |
| Undergraduate | Turkish  | New Generation Programming                   |
| Undergraduate | Turkish  | Database Systems                             |
| Undergraduate | Turkish  | .NET Programming                             |
| Undergraduate | Turkish  | Introduction to Algorithm and Programming    |
| Undergraduate | Turkish  | Distributed Software Applications            |
| Undergraduate | Turkish  | Visual Programming                           |
| Undergraduate | Turkish  | Advanced Programming                         |
| Undergraduate | Turkish  | iOS Programming                              |
| Undergraduate | Turkish  | Mobil Programming                            |
| Undergraduate | Turkish  | Project Design Implementation and Evaluation |
| Undergraduate | Turkish  | System Analysis and Design                   |
| Undergraduate | Turkish  | Design Patterns                              |
| Undergraduate | Turkish  | Data Structures and Algorithms               |
| Undergraduate | Turkish  | Database Programming                         |
| Undergraduate | Turkish  | Database Management                          |
| Undergraduate | Turkish  | Database Management Systems                  |
| Undergraduate | Turkish  | Web Programming                              |
| Undergraduate | Turkish  | Software Applications Testing                |
| Undergraduate | Turkish  | Arduino and Raspberry Pi Programming         |

## Academic Area of Interests

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- ▶ Open Data

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- ▶ Ontology-based Information Systems

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- ▶ Agricultural Information Systems

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- ▶ Precision Agriculture

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- ▶ Semantic Web

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- ▶ Ontology

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- ▶ Data Management

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- ▶ Databases

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- ▶ Service Oriented Architecture (SOA)

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- ▶ Internet of Things (IoT)

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- ▶ Wireless Sensor Networks (WSN)

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- ▶ Cloud Computing

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- ▶ Big Data Analytics

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- ▶ Software Engineering

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## Journal Publications

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- SCI AYDIN ŞAHİN, AYDIN MEHMET NAFİZ (2020). Ontology Based Data Acquisition Model Development for Agricultural Open Data Platforms and Implementation of OWL2MVC Tool. **Computers and Electronics in Agriculture**
- 
- SCI AYDIN ŞAHİN, AYDIN MEHMET NAFİZ (2020). Semantic and Syntactic Interoperability for Agricultural Open Data Platforms in the context of IoT using Crop-Specific Trait Ontologies. **Applied Sciences – Computing and Artificial Intelligence**  
**Special Issue: “Semantic Technologies Applied to Agriculture”**
- 
- SCOPUS AYDIN ŞAHİN, AYDIN MEHMET NAFİZ (2020). A Sustainable Multi-layered Open Data Processing Model for Agriculture: IoT Based Case Study Using Semantic Web for Hazelnut Fields. **Advances in Science, Technology and Engineering Systems Journal (ASTESJ)**
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## Conference Publications (International)

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- CEIT 2018 AYDIN ŞAHİN, AYDIN MEHMET NAFİZ (2018). Open Data in Agriculture: Sustainable Model Development for Hazelnut farms using semantics. 6th International Conference on Control Engineering Information Technology
- 
- IMISC 2018 AYDIN ŞAHİN, AYDIN MEHMET NAFİZ (2018). Multi-layered Open Data Processing Model for Hazelnut farms. 5th International Conference on Management Information Systems (IMISC 2018)
- 

## Conference Publications (National)

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- MEK 2 AYDIN ŞAHİN (2019). Çevik Yazılım Geliştirme Takımlarında Performans Değerlendirme Sorunları: Dürtme Teorisi Bakış Açısıyla Bir Performans Değerlendirme Modelinin Önerilmesi. 2. Mesleki Eğitim Kongresi (Özet Bildiri/Sözlü Sunum)
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