

Application Report for Kilinc,Selcuk

General Information	
Name	Kilinc,Selcuk
Applicant ID	661154
Applicant Type	External Applicant
Applicant Status	010 Active
Job Opening	48159 - FELLOW, POST DOCTORAL

Contact Information	
Name Prefix	
First Name	Selcuk
Middle Name	
Last Name	Kilinc
Name Suffix	
Address	ODTÜ Eğitim Fakültesi A Binası Ofis: EF-A-202 Çankaya/Ankara/Türkiye Ankara, MO 06530
Preferred Contact	Not Specified

Phone Numbers				
Phone Type	Telephone	Extension	Country Code	Preferred
Home	00905063950184			Yes

Email Addresses		
Email Type	Email Address	Preferred
Home	selcukkinc@gmail.com	Yes

Referral Sources	
How did you learn of the job?	Website
Additional Information	Social Media
Specific Referral Source	Twitter

Education Level	
Highest Education Level	Not Indicated

Degrees	
Degree	Bachelor's Degree 1 (BACHELOR)
School Name	Middle East Technical University
Degree	Master's Degree - 1st entry (MASTER)
School Name	Middle East Technical University
Degree	Master's Degree - 2nd entry (MASTER1)
School Name	Middle East Technical University
Degree	Doctor of Philosophy (PHD)
School Name	Middle East Technical University

Questionnaire		
Additional Questions:		
Question: Are you currently authorized to work in the United States?		
Answers		
Possible Answer	Correct Answer	Selected Answer
Yes	✓	
No		✓
Question: Will you now or in the future require visa sponsorship for employment at the University of Missouri-Columbia or UM System?		
Note: In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.		
Answers		
Possible Answer	Correct Answer	Selected Answer
Yes	✓	✓
No	✓	



Selçuk Kılınc

Research & Teaching Assistant with EdTech Expertise

✉ skilinc@metu.edu.tr ☎ +90 506 395 0184 🇹🇷 Turkish 📅 Sep 04, 1989

📍 ODTÜ Eğitim Fakültesi A Binası Ofis: EF-A-202, 06800 Çankaya/Ankara/Türkiye

🌐 LinkedIn 📄 ResearchGate 🏠 Google Scholar 🆔 0000-0001-8846-7243

PROFESSIONAL SUMMARY

As an accomplished Research & Teaching Assistant with a Ph.D. in Science Education and an MS in Software Engineering, I bring a unique blend of academic, technical, and leadership skills. My passion for integrating technology into learning has led to the development of innovative tools such as an Arduino-based real-time air quality monitoring device and a generative AI chatbot, fostering student literacy and engagement while promoting citizen science.

With over eight years of experience in academic research, teaching, and online education, I've contributed to multiple publications and presented my findings at national and international conferences. As a Technology and Distance Learning Coordinator, I've navigated the challenging transition to remote learning during the pandemic, ensuring seamless integration of tech solutions and providing continual support services.

My work is driven by a commitment to innovation in education, merging science and technology to shape future learning experiences. I excel in designing engaging courses, conducting impactful research, and collaborating with diverse stakeholders. As I look forward to the next step in my career, I am open to opportunities to leverage my skills and knowledge to advance innovation and excellence in education.

SKILLS

Research & Teaching

- Science Education
- Curriculum Development & Student Engagement
- Teaching and Mentoring
- Student Support & Course Development
- Public Speaking
- Conference Presentations & Lecturing

Project & Team Management

- Project Management
- Leadership & Resource Allocation
- Teamwork & Stakeholder Engagement
- Team Management
- Project Coordination & Team Leadership

Communication & Collaboration

- Cross-Cultural Communication
- Collaboration and Conflict Resolution
- Grant Writing (Funding Applications & Research Proposals)

Technology & Software

- Technology Integration in Education
- E-Learning & Distance Learning Solutions
- Educational Technology
- Generative AI in Education
- Python Programming for Educational Applications
- Web Design for Educational Platforms

Software Engineering Skills

- Systems Design & Development
- Programming (Python/Data Mining)
- IoT Project Implementation
- Web Design (HTML/CSS & User Experience)
- Generative AI & Deep Learning

Specialized Skills

- Data Analysis & Literature Reviews
- STEM Education
- Gamification in Education (Enhancing Learning³ & Motivation)

PROFESSIONAL EXPERIENCE

Middle East Technical University Faculty of Education

Research & Teaching Assistant Sep 2015 – present

- Co-authored publications and presented research findings.
- Designed course materials for undergraduate and graduate-level courses.
- Mentored students and assisted in their academic success.
- Assisted in the development of online and distance education courses.

Technology Coordinator Sep 2015 – present

- Provided tech support to faculty, ensuring seamless integration of technology.
- Implemented tech solutions to enhance productivity.
- Trained staff in the use of technology tools and applications.
- Designed and updated the department's web page.

Coordinator for Research Assistants Jan 2023 – present

- Coordinated and distributed tasks among research & teaching assistants based on incoming requests.
- Managed schedules and workload distribution for research & teaching assistants.

METU Distance Education Application Research Center Mar 2020 – present

Distance Education Coordinator 

- Collaborated with faculty to develop interactive online courses.
- Monitored the effectiveness of online courses and recommended improvements.
- Evaluated and implemented new technologies and pedagogies to improve distance learning.

Jale Tezer High School Sep 2014 – Aug 2015

Chemistry Teacher 

- Planned and delivered engaging chemistry lessons aligned with curriculum requirements.
- Evaluated student progress and provided constructive feedback.
- Designed and implemented online educational materials.

EDUCATION

Doctor of Philosophy / Science Education Feb 2018 – Jul 2023

Middle East Technical University

- **Dissertation:** Merging Technology and Education: Real-Time Air Quality Monitoring as A Catalyst for the Growth of Pre-Service Science Teachers in Citizen Science

Master of Science / Software Engineering Sep 2020 – Jul 2022

Middle East Technical University

- **Graduation Project:** Arduino-Based Mobile Real-Time Air Quality Monitoring Device (IoT Project)

Master of Science / Secondary Science and Mathematics Education Jan 2015 – Jan 2018

Middle East Technical University

- **Thesis:** Exploring of STEM Readiness of a Faculty of Education in Turkey

Integrated Bachelor's and Non-Thesis Master's Chemistry Education Sep 2007 – Jun 2014

Middle East Technical University

- **Graduation Project:** Goal Orientations and Task Values of High School Students

KEY ACHIEVEMENTS

- Developed an Arduino-based real-time air quality monitoring tool, fostering student literacy and citizen science skills.
- Led technology initiatives at METU, improving efficiency and productivity.
- During the pandemic, played a crucial role in METU's transition to online education.
- Published research in reputable journals and presented findings at international conferences.
- Researching the role of AI in science education resulted in a published article.
- Managed a diverse team of research and teaching assistants at METU.
- Successfully implemented an IoT project during my MS in Software Engineering.

PUBLICATIONS

Merging Technology and Education: Real-Time Air Quality Monitoring as A Catalyst for the Growth of Pre-Service Science Teachers in Citizen Science [↗](#) Jul 2023

Dissertation

- **DOI Number:** 10.13140/RG.2.2.13423.61600

Embracing the Future of Distance Science Education: Opportunities and Challenges of ChatGPT Integration [↗](#) Apr 2023

Asian Journal of Distance Education

- **DOI Number:** 10.5281/zenodo.7857396

The role of the argumentation-based laboratory on the development of pre-service chemistry teachers' argumentation skills [↗](#) Jan 2021

International Journal of Science Education

- **DOI Number:** 10.1080/09500693.2020.1846226

Exploring of STEM Readiness of a Faculty of Education in Turkey [↗](#) Jan 2018

MS Thesis

- **DOI Number:** 10.13140/RG.2.2.30335.69287

STEM Readiness and Its Implications for Educational Outcomes: An Analysis of a Turkish Education Faculty

ESCI/ERIC Journal (In Progress)

Empowering Pre-Service Science Teachers through Air Quality Monitoring: A Citizen Science Perspective

SCI/SSCI Journal (Revising, In Progress)

PROJECTS

Determining of STEM Readiness of Education Faculties [↗](#) Jan 2017 – Dec 2017

Scientific Research Project

- **Authors:** Ömer Geban, Gökhan Öztürk, Selçuk Kılınç

PROCEEDINGS

Exploring of Instructors Perceptions of a Faculty of Education In Turkey About STEM Education [↗](#)

Sep 2018 | Bolzano, Italy

ECER 2018 Annual International Conference

- **Authors:** Selçuk Kılınç, Ömer Geban, Gökhan Öztürk

Development Pre-service Chemistry Teachers' Argumentation Skills in Implementing Science Writing Heuristic at Chemistry Laboratory Subject/Problem [↗](#)

Apr 2017 | San Antonio, Texas

NARST 2017 Annual International Conference

- **Authors:** Ceren Soysal, Esra Sarici, Mustafa Tuysuz, Selcuk Kilinc, Esen Uzuntiryaki-Kondakci

Contribution of the Argumentation-Based Laboratory to Pre-Service Chemistry Teachers' Microscopic Explanations of Chemistry Concepts [↗](#)

Apr 2017 | San Antonio, Texas

NARST 2017 Annual International Conference

- **Authors:** Selcuk Kilinc, Mustafa Tuysuz, Esra Sarici, Ceren Soysal, Esen Uzuntiryaki-Kondakci

Pre-Service Chemistry Teachers' Level of Explaining Daily Life Events by Using Their Chemistry Knowledge [↗](#)

Sep 2016 | Trabzon, Turkey

12th National Science and Mathematics Education Congress

- **Authors:** Betül Ekiz, Elif Selcan Kutucu, Selçuk Kılınç, Ceren Soysal, Yezdan Boz

CERTIFICATES

Methods and Statistics in Social Sciences Specialization [↗](#)

Course in Coursera given by University of Amsterdam

Information Technologies Certificate Program [↗](#)

1-year Certificate Program

Career Essentials in Generative AI [↗](#)

Generative AI, Machine Learning, and Ethics Learning Path prepared by Microsoft and LinkedIn

Creative Drama

2-year Applied Certificate Program

Project Management

32-week Certificate Program

Team Management

32-week Certificate Program

Python 3 Programming Specialization [↗](#)

Course in Coursera given by University of Michigan

Complete Python Bootcamp From Zero to Hero [↗](#)

Course in Udemy given by Jose Portilla

Time Management

2-semester Certificate Program

Mentoring

8-month Certificate Program

LANGUAGES

Turkish

Native Language



English

Proficient in English, demonstrated through academic pursuits, including earning degrees, publishing research, and presenting at international conferences. 6








German

Basic German skills with continual improvement



VOLUNTEERING

ANKA Youth Association  <i>Society Member</i>	2020 – present
Turkish Intelligence Foundation  <i>Volunteer Staff</i>	2018 – present
Darüşşafaka Society  <i>Community Volunteer</i>	2017 – present
METU Alumni Association  <i>Member</i>	2016 – present
The Educational Volunteers Foundation of Turkey  <i>Education Volunteer</i>	2013 – present

HONORS & AWARDS

Dean's Honor List <i>METU</i>	Jan 2013
Dean's Honor List <i>METU</i>	Jun 2013
High School Theater Awards <i>Ministry of Education</i>	2006

INTERESTS

- Rhythm Instruments
- Running
- Fitness
- Squash
- Theatre and Role-Play
- Computer / Technology
- Psychology
- Reading

REFERENCES

Gökhan Öztürk, *Assist. Prof. Dr.*, Middle East Technical University
gozturk@metu.edu.tr, +90 312 210 4063

Yezdan Boz, *Prof. Dr.*, Middle East Technical University
yezdan@metu.edu.tr, +90 312 210 3688

Murat Kol, *Assist Prof. Dr.*, Oregon State University
kolm@oregonstate.edu, 541-737-7513



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🌐 LinkedIn 📄 ResearchGate 🏠 Google Scholar 🆔 0000-0001-8846-7243

I have mentioned the names of the references with contact information in my curriculum vitae.

I also add the reference information here:

- Assist. Prof. Dr. Gökhan Öztürk
Middle East Technical University
Phone: +90 312 210 4063
E-mail: gozturk@metu.edu.tr

- Prof. Dr. Yezdan Boz
Middle East Technical University
Phone: +90 312 210 3688,
E-mail: yezdan@metu.edu.tr

- Assist. Prof. Dr. Murat Kol
Oregon State University
Phone: 541-737-7513
E-mail: kolm@oregonstate.edu

For your kind attention.

Selçuk Kılınç