

## Prof. HAKAN YAVUZ ATAR

### Personal Information

**Email:** hakanatar@gazi.edu.tr

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### International Researcher IDs

ORCID: 0000-0001-5372-1926

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### Education Information

Doctorate, The Florida State University, Ölçme Ve Değerlendirme, United States Of America 2006 - 2009

Postgraduate, The Florida State University, Ölçme Ve Değerlendirme, United States Of America 2005 - 2007

Doctorate, The Florida State University, Fen Eğitimi, United States Of America 2001 - 2007

Postgraduate, Florida State University, Fen Eğitimi, United States Of America 1999 - 2006

### Foreign Languages

English, C1 Advanced

### Academic Titles / Tasks

Professor, Gazi University, Gazi Eğitim Fakültesi, Eğitim Bilimleri, 2019 - Continues

Associate Professor, Gazi University, Gazi Eğitim Fakültesi, Eğitim Bilimleri Bölümü, 2013 - Continues

Lecturer, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2009 - Continues

### Courses

Multivariate Statistics, Doctorate, 2022 - 2023

Research Methods, Undergraduate, 2021 - 2022

Measurement Applications using Computers, Postgraduate, 2022 - 2023

Measurement and Evaluation, Undergraduate, 2021 - 2022

### Advising Theses

ATAR H. Y., Investigation Of The Effect Of Mixture Irt Models Under Different Conditions On Parameter Recovery And Classification Accuracy With Simulative And Real Data, Doctorate, F.Münevver(Student), 2021

ATAR H. Y., Comparison Of Classification Performances Of Non-Parametric Cognitive Diagnosis, Artificial Neural Network And Dıno Model, Doctorate, E.YAVUZ(Student), 2021

Atar H. Y., İlköğretim Matematik Ders Kitaplarının Çok Yüzeyle Rasch Ölçme Modeli ile Analizi, Postgraduate, Ş.YEGANE(Student), 2019

ATAR H. Y., The Effect Of Differential Item Functioning Determination Methods On Item And Ability Parameters Estimates, Doctorate, F.GÖKÇEN(Student), 2019

Atar H. Y., Comparison Of Parameter Estimation Based On Multidimensional Item Response Theory In Polytomous Items, Doctorate, S.BÜYÜKKIDIK(Student), 2018

## Articles Published in Other Journals

- I. **A Comparison of the Classification Performances of the DINO Model, Artificial Neural Networks and Non-Parametric Cognitive Diagnosis**  
YAVUZ E., ATAR H. Y.  
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.14, no.4, pp.413-439, 2023 (ESCI)
- II. **Investigation of the effect of parameter estimation and classification accuracy in mixture IRT models under different conditions**  
SAATÇİOĞLU F. M., ATAR H. Y.  
INTERNATIONAL JOURNAL OF ASSESSMENT TOOLS IN EDUCATION, vol.9, no.4, pp.1013-1029, 2022 (ESCI)
- III. **Simultaneous estimation of overall score and subscores using mirt, ho-irt and bi-factor model on timss data**  
ERDEMİR A., Yavuz Atar H. Y.  
Journal of Measurement and Evaluation in Education and Psychology, vol.11, no.1, pp.61-75, 2020 (ESCI)

## Books & Book Chapters

- I. **TIMSS 2011 Ulusal Matematik ve Fen Raporu 8 Sınıflar**  
Büyükoztürk Ş., Çakan M., Tan Ş., Atar H. Y.  
MEB: YEĞİTEK, Ankara, 2014
- II. **TIMSS 2011 Ulusal Matematik ve Fen Raporu 4 Sınıflar**  
Büyükoztürk Ş., Çakan M., Tan Ş., Atar H. Y.  
MEB: YEĞİTEK, Ankara, 2014

## Metrics

Publication: 14  
Citation (WoS): 35  
Citation (Scopus): 29  
H-Index (WoS): 3  
H-Index (Scopus): 3

## Non Academic Experience

Gazi Eğitim Fakültesi  
Florida Eğitim Bakanlığı  
Florida Eğitim Bakanlığı  
Florida Eyalet Üniversitesi