

# Prof. DENİZ GÜRÇAY

## Personal Information

Office Phone: [+90 312 297 8609](tel:+903122978609)

Email: [denizg@hacettepe.edu.tr](mailto:denizg@hacettepe.edu.tr)

Address: Hacettepe Üniversitesi Eğitim Fakültesi OFMA Eğitimi Bölümü Fizik Eğitimi Anabilim Dalı Beytepe ANKARA-TÜRKİYE

## Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Farmasotik Teknoloji Bölümü, Fizik Eğitimi, Turkey 1999 - 2003

Post Graduate, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Eğitimi, Turkey 1991 - 1996

Under Graduate, Hacettepe Üniversitesi, Eğitim Fakültesi, Fizik Eğitimi, Turkey 1985 - 1990

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Social Sciences and Humanities, Education, Teacher Training, Teacher Training For Secondary School, Teacher Training in Science and Math. at Second. Sch. Lev.

## Academic Titles / Tasks

Associate Professor, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2014 - 2019

Assistant Professor, Hacettepe Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2006 - 2013

## Academic and Administrative Experience

Hacettepe Üniversitesi, Rektörlük, 2016 - 2017

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **THE EFFECTS OF MULTIPLE INTELLIGENCES BASED INSTRUCTION ON STUDENTS' PHYSICS ACHIEVEMENT AND ATTITUDES**  
GÜRÇAY D., FERAH H. O.  
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.16, no.5, pp.666-677, 2017 (Journal Indexed in SSCI)
- II. **Development of three-tier heat, temperature and internal energy diagnostic test**  
GÜRÇAY D., GULBAS E.  
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.33, no.2, pp.197-217, 2015 (Journal Indexed in SSCI)
- III. **Assessing quality of pre-service physics teachers' written arguments**  
Aydeniz M., GÜRÇAY D.  
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.31, no.3, pp.269-287, 2013 (Journal Indexed in SSCI)

- IV. **Turkish and Singaporean Pre-service Physics Teachers' Beliefs about Teaching and Use of Technology**  
GÜRÇAY D., Wong B., Chai C. S.  
ASIA-PACIFIC EDUCATION RESEARCHER, vol.22, no.2, pp.155-162, 2013 (Journal Indexed in SSCI)
- V. **AN INVESTIGATION OF THE PRESERVICE PHYSICS TEACHERS' TEACHER EFFICACY**  
Gurcay D.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, pp.245-254, 2012 (Journal Indexed in SSCI)
- VI. **FACTORS PREDICTING TEACHERS' COLLECTIVE EFFICACY BELIEFS**  
GÜRÇAY D., YILMAZ M., Ekici G.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.36, pp.119-128, 2009 (Journal Indexed in SSCI)
- VII. **Adaptation of the academic self-efficacy scale to Turkish**  
YILMAZ M., GÜRÇAY D., Ekici G.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.33, pp.253-259, 2007 (Journal Indexed in SSCI)
- VIII. **An infrared and Raman spectroscopic study on the solvation of mercury(II) cyanide in aprotic donor solvents**  
Gurcay D., KANTARCI Z., AYDIN S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.482, pp.65-68, 1999 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Öğretmen Adaylarının Fizik Çalışan Bilim İnsanlarınaYönelik İmajları Öğretmen Eğitimi AçısındanDoğurguları**  
KORKMAZ H., GÜRÇAY D.  
Kastamonu Eğitim Dergisi, vol.24, pp.655-672, 2016 (Journal Indexed in ESCI)
- II. **Preservice Physics Teachers' Misconceptions about Heat, Temperature and Internal Energy**  
GÜRÇAY D., GULBAS E.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.31, no.3, pp.461-474, 2016 (Journal Indexed in ESCI)
- III. **The effect of Turkish students' motivational beliefs on their metacognitive self-regulation in Physics**  
GÜRÇAY D., Balta E.  
Asia-Pacific Forum on science Learning and Teaching, vol.14, no.2, pp.1-14, 2013 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Preservice Physics Teachers' Beliefs Regarding Their Teacher Efficacy and Classroom Management**  
GÜRÇAY D.  
7th World Conference on Educational Sciences, Athens, Greece, 5 - 07 February 2015, vol.197, pp.1101-1106
- II. **Preservice physics teacher's beliefs regarding classroom management**  
GÜRÇAY D.  
5th International Conference on New Horizons in Education (INTE), Paris, France, 25 - 27 June 2014, vol.174, pp.2430-2435
- III. **An Investigation of the Relation between Pre Service Teachers Views about Science and their Achivement**  
GÜRÇAY D., ATAV E., YILMAZ M.  
Proceedings of the XIII. IOSTE Symposium on The Use of Science and Technology Education for Peace and

## Supported Projects

GÜRÇAY D., Gülbaş E., Project Supported by Higher Education Institutions, Modelleme Tabanlı Argümantasyon Ortamında Öğrencilerin Disiplinel ve Epistemik Katılım Kalitesinin Bilimin Doğasını Kavramalarına Etkisinin İncelenmesi, 2017 - 2018

GÜRÇAY D., Project Supported by Higher Education Institutions, Fizik Eğitiminde Ölçme ve Değerlendirme, 2016 - 2016  
AKSU YILDIRIM S., GÜRÇAY D., ERKAL S., YAVUZ ERSAN H., ERDEM P., AKBULUT A., YILDIRIM T., AYDINCAK G., ÇETİN S., AKYÖN DÜNDAR M., et al., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Erasmus+ Programının Kurumsal ve Akademik Niteliğinin Güçlendirilmesi, 2014 - 2016

GÜRÇAY D., Project Supported by Higher Education Institutions, Fizik Öğretmen Adaylarının Öğretime İlişkin İnançlarının İncelenmesi, 2015 - 2015

## Citations

Total Citations (WOS):55

h-index (WOS):3