

Personal Information

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Education Information

Doctorate, University Of Warwick, Science Education, United Kingdom 1998 - 2003

Foreign Languages

English, C1 Advanced

Research Areas

Social Sciences and Humanities

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eđitimi Bólümü, 2015 - Continues

Associate Professor, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eđitimi Bólümü, 2010 - 2015

Assistant Professor, Middle East Technical University, Faculty of Education, Ortaöđretim Fen Ve Matematik Alanlar Eđitimi Bólümü, 2004 - 2010

Research Assistant, Middle East Technical University, Faculty of Education, Ortaöđretim Fen Ve Matematik Alanlar Eđitimi Bólümü, 2003 - 2004

Advising Theses

BOZ Y., TEKSÖZ G., An analysis of secondary school chemistry curriculum in terms of education for sustainable development: A case from Turkey, Post Graduate, C.TÜRKMEN(Student), 2018

BOZ Y., Interaction between experienced chemistry teachers' science teaching orientations and other components of pedagogical content knowledge in mixtures, Doctorate, B.EKİZ(Student), 2016

BOZ Y., Examination of interaction between pre-service chemistry teachers' pedagogical content knowledge and content knowledge in electrochemistry, Doctorate, E.SELCAN(Student), 2016

BOZ Y., Effect of structuring cooperative learning based on conceptual change approach on students' understanding of the concepts of mixtures and their motivation, Doctorate, H.BELGE(Student), 2013

BOZ Y., Examination of chemistry teachers topic-specific nature of pedagogical content knowledge in electrochemistry and radioactivity, Doctorate, S.AYDIN(Student), 2012

BOZ Y., Effect of case based learning on 10th grade students' understanding of gas concepts, their attitude and motivation, Doctorate, E.YALÇINKAYA(Student), 2010

BOZ Y., Effect of cooperative learning based on conceptual change conditions on motivation and understanding of reaction rate, Doctorate, Ö.TAŞTAN(Student), 2009

BOZ Y., Conceptual change text oriented instruction to facilitate conceptual change in rate of reaction concepts, Post Graduate, C.BALCI(Student), 2006

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

- **Interactions between the science teaching orientations and components of pedagogical content knowledge of in-service chemistry teachers**
Ekiz Kiran B., BOZ Y.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.21, pp.95-112, 2020 (Journal Indexed in SCI)
- **Effect of practicum courses on pre-service teachers' beliefs towards chemistry teaching: a year-long case study**
BOZ Y., Ekiz Kiran B., Öztay E. S.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.20, pp.509-521, 2019 (Journal Indexed in SCI)
- **Development of pre-service chemistry teachers' technological pedagogical content knowledge**
DİNDAR A. Ç. , BOZ Y., Sonmez D. Y. , Celep N. D.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.19, pp.167-183, 2018 (Journal Indexed in SCI)
- **Mediated Effects of Technology Competencies and Experiences on Relations among Attitudes Towards Technology Use, Technology Ownership, and Self Efficacy about Technological Pedagogical Content Knowledge**
Yerdelen-Damar S., BOZ Y., Aydin-Gunbatar S.
JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.26, pp.394-405, 2017 (Journal Indexed in SCI)
- **Investigating the relationships among students' self-efficacy beliefs, their perceptions of classroom learning environment, gender, and chemistry achievement through structural equation modeling**
BOZ Y., Yerdelen-Damar S., Aydemir N., Aydemir M.
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.34, pp.307-324, 2016 (Journal Indexed in SSCI)
- **Structuring Cooperative Learning for Motivation and Conceptual Change in the Concepts of Mixtures**
Can H. B. , BOZ Y.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.14, pp.635-657, 2016 (Journal Indexed in SSCI)
- **The effect of case-based instruction on 10th grade students' understanding of gas concepts**
Yalcinkaya E., BOZ Y.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.16, pp.104-120, 2015 (Journal Indexed in SCI)
- **Modelling between epistemological beliefs and constructivist learning environment**
Cetin-Dindar A., KIRBULUT Z. D. , BOZ Y.
EUROPEAN JOURNAL OF TEACHER EDUCATION, vol.37, pp.479-496, 2014 (Journal Indexed in SSCI)
- **Are Pre-Service Mathematics Teachers' Teaching Concerns Related to Their Epistemological Beliefs?**
BOZ N., BOZ Y.
CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE, vol.16, pp.335-362, 2014 (Journal Indexed in SSCI)
- **Examination of the topic-specific nature of pedagogical content knowledge in teaching electrochemical cells and nuclear reactions**
Aydin S., Friedrichsen P. M. , BOZ Y., Hanuscin D. L.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.15, pp.658-674, 2014 (Journal Indexed in SCI)
- **The nature of integration among PCK components: A case study of two experienced chemistry teachers**
Aydin S., BOZ Y.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.14, pp.615-624, 2013 (Journal Indexed in SCI)
- **Review of Studies Related to Pedagogical Content Knowledge in the Context of Science Teacher Education: Turkish Case**
Aydin S., Boz Y.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.12, pp.475-512, 2012 (Journal Indexed in SSCI)
- **Cooperative learning instruction for conceptual change in the concepts of chemical kinetics**
TAŞTAN KIRIK Ö., BOZ Y.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.13, pp.221-236, 2012 (Journal Indexed in SCI)
- **Is case-based learning an effective teaching strategy to challenge students' alternative conceptions regarding chemical kinetics?**
Yalcinkaya E., TAŞTAN KIRIK Ö., BOZ Y., Yildiran D.
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.30, pp.151-172, 2012 (Journal Indexed in SSCI)
- **Do Pre-service Chemistry Teachers Reflect their Beliefs about Constructivism in their Teaching**

Practices?

Uzuntiryaki E., BOZ Y., Kirbulut D., Bektas O.

RESEARCH IN SCIENCE EDUCATION, vol.40, pp.403-424, 2010 (Journal Indexed in SSCI)

- **The nature of the relationship between teaching concerns and sense of efficacy**

BOZ Y., BOZ N.

EUROPEAN JOURNAL OF TEACHER EDUCATION, vol.33, pp.279-291, 2010 (Journal Indexed in SSCI)

- **The Contribution of Constructivist Instruction Accompanied by Concept Mapping in Enhancing Pre-service Chemistry Teachers' Conceptual Understanding of Chemistry in the Laboratory Course**

Aydin S., Aydemir N., BOZ Y., Cetin-Dindar A., BEKTAŞ O.

JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.18, pp.518-534, 2009 (Journal Indexed in SSCI)

- **Effectiveness of Conceptual Change Text-oriented Instruction on Students' Understanding of Energy in Chemical Reactions**

Tastan O., Yalcinkaya E., BOZ Y.

JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.17, pp.444-453, 2008 (Journal Indexed in SSCI)

- **Turkish student teachers' concerns about teaching**

BOZ Y.

EUROPEAN JOURNAL OF TEACHER EDUCATION, vol.31, pp.367-377, 2008 (Journal Indexed in SSCI)

- **Turkish prospective chemistry teachers' beliefs about chemistry teaching**

Boz Y., Uzuntiryaki E.

INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, vol.28, pp.1647-1667, 2006 (Journal Indexed in SSCI)

Articles Published in Other Journals

- **Investigation of relations among middle school (Junior high school) students' gender, learning approaches, perceptions of learning environment and science achievement Ortaokul öğrencilerinin cinsiyeti, öğrenme yaklaşımı, yapılandırmacı öğrenme ortamı algıları ve fen bilgisi başarıları arasındaki ilişkilerin incelenmesi**

BOZ Y., Yerdelen-Damar S., Belge-Can H.

Elementary Education Online, vol.17, pp.1268-1282, 2018 (Refereed Journals of Other Institutions)

- **Is case based instruction effective in enhancing high school students motivation toward chemistry**

ERDUR BAKER Ö., BOZ Y., YALCINKAYA E.

Science Education International, vol.23, pp.102-116, 2012 (Refereed Journals of Other Institutions)

- **Turkish Pre Service Teachers Beliefs About the Importance of Teaching Chemistry**

UZUNTİRYAKI E., BOZ Y.

AUSTRALIAN JOURNAL OF TEACHER EDUCATION, vol.32, 2007 (Refereed Journals of Other Institutions)

- **Pre service teachers views about use of textbooks**

UZUNTİRYAKI E., BOZ Y.

Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.31, pp.212-220, 2006 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **The Analysis of Updated Secondary School Chemistry Curriculum of Turkey Considering the Dimensions of Sustainable Development**

TÜRKMEN C., BOZ Y., TEKSÖZ G.

10th International Conference on Education and New Learning Technologies, Palma, Spain, Spain, 2 - 04 July 2018, pp.10561-10566

- **Öğretmene Yönelik Şiddet, Mesleki Doyum ve Okul İklimi**

ERDUR BAKER Ö., BOZ Y., PADIR M. A.

27. Uluslararası Eğitim Bilimleri Kongresi, 18 - 22 April 2018

- **Doğası, Türü, Nedenleri ve Sonuçlarıyla Öğretmene Yönelik Şiddet**

ERDUR BAKER Ö., BOZ Y., PADIR M. A.

27. Uluslararası Eğitim Bilimleri Kongresi, 18 - 22 April 2018

Supported Projects

ERDUR BAKER Ö., ÖZEL D., BOZ Y., Project Supported by Higher Education Institutions, Okullarda Öğretmene Yönelik Şiddet: Sıklığı, Doğası ve İlişkili Değişkenleri, 2017 - 2017

BOZ Y., ERDUR BAKER Ö., Project Supported by Higher Education Institutions, Öğretmen Adaylarının Afet ile İlgili Kavram Yanılgılarının Tespit Edilmesi, 2013 - 2013

BOZ Y., Project Supported by Higher Education Institutions, Kavramsal Değişim Koşullarına Dayalı İşbirlikçi Öğrenme Durumlarının 9. Sınıf Öğrencilerinin Karışım Konusu İle İlgili Kavramları Anlama Üzerine Etkisi., 2012 - 2012

BOZ Y., Project Supported by Higher Education Institutions, Öğretmen Adaylarının Epistemolojik İnanç Ve Özyeterlilik Yapılandırıcı Öğrenme Yaklaşımını Kullanmaları Üzerine Bir Modelleme Çalışması., 2011 - 2011

BOZ Y., Project Supported by Higher Education Institutions, Örnek Olaya Dayalı Öğrenme Yönteminin 11.sınıf Öğrencilerinin Reaksiyon Hızı Konusundaki Kavram Yanılgılarını Giderme., 2009 - 2009

Citations

Total Citations (WOS):232

h-index (WOS):10