

# Prof. ALİ ERYILMAZ

## Personal Information

**Email:** erylilmaz@metu.edu.tr

## Education Information

Doctorate, Florida Institute Of Technology, Fizik Eğitimi , United States Of America 1993 - 1996

Post Graduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1989 - 1992

Under Graduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1984 - 1989

## Research Areas

Social Sciences and Humanities, Education, Education in Natural Sciences, Education in Physics

## Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Education, Secondary Science And Mathematics Education, 2017 - Continues

Associate Professor, Middle East Technical University, Faculty Of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2012 - 2017

Assistant Professor, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2002 - 2012

Lecturer PhD, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 1996 - 2002

Research Assistant, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 1990 - 1996

## Professional Experience

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty Of Education, 2020 - Continues

University Executive Board Member, Middle East Technical University, 2014 - Continues

University Executive Board Member, Middle East Technical University, 2015 - 2019

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty Of Education, 2015 - 2017

Deputy Head of Department, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2002 - 2007

## Advising Theses

Eryilmaz A., Development of effective stem education materials, Post Graduate, C.TOMAÇ(Student), 2019

ERYILMAZ A., A modeling study about barriers which anatolian teacher training school physics teachers faced implementing micro-computer based laboratory, Doctorate, F.ALPTEKİN(Student), 2018

ERYILMAZ A., The effect of interactive simulation enriched inquiry learning instruction on ninth grade students' achievement in and attitude towards energy, Doctorate, S.YILDIZ(Student), 2017

ERYILMAZ A., The effects of a professional development program on physics teachers' classroom practices, Doctorate, Ö.OKTAY(Student), 2015

ERYILMAZ A., The effect of enriched course materials about motion on ninth grade sighted and totally blind students' achievement, motivation, attitude, perception of learning environment and interaction in inclusive classes, Doctorate, M.ŞAHİN(Student), 2014

ERYILMAZ A., ÖZDEMİR Ö. F. , The effect of a professional development program on physics teachers' knowledge and their students' achievement in modern physics unit, Doctorate, N.BALTA(Student), 2014

ERYILMAZ A., The effect of the instruction based on the epistemologically and metacognitively improved 7E learning cycle on tenth grade students' achievement and epistemological understandings in physics, Doctorate, S.YERDELEN(Student), 2013

ERYILMAZ A., Content analysis of 9th grade physics curriculum, textbook, lessons with respect to science process skills, Doctorate, B.YILMAZ(Student), 2013

ERYILMAZ A., To what extent is problem-based learning effective as compared to traditional teaching in science education? A meta-analysis study, Doctorate, U.ÜSTÜN(Student), 2012

ERYILMAZ A., ERKOÇ Ş., Investigation of undergraduate students mental models about the quantization of physical observables, Doctorate, D.NİLÜFER(Student), 2012

ERYILMAZ A., Development and application of a four-tier test to assess pre-service physics teachers misconceptions about geometrical optics, Doctorate, D.KALTAKÇI(Student), 2012

ERYILMAZ A., The effect of webquest based instruction on ninth grade students' achievement in and attitude towards force and motion, Doctorate, M.SAİT(Student), 2011

ERYILMAZ A., An aptitude treatment interaction study: The effect of inquiry-based instruction and lecture instruction on high school students' physics achievement, Doctorate, H.CAN(Student), 2010

ERYILMAZ A., A modeling study: The interrelationships among elementary students' epistemological beliefs, learning environment perceptions, learning approaches and science achievement, Doctorate, E.UYSAL(Student), 2010

ERYILMAZ A., Teaching practices enhancing students' affective characteristics related to physics, Doctorate, A.ABAK(Student), 2010

ERYILMAZ A., The effect of instructional comics on sixth grade students' achievement in heat transfer, Doctorate, E.ÖZDEMİR(Student), 2010

ERYILMAZ A., An analysis of the problem-based instruction in engineering education, Doctorate, Ö.ATEŞ(Student), 2009

ERYILMAZ A., The effect of problem based learning instruction on 7th grade students' science achievement, attitude toward science and scientific process skills, Doctorate, G.SERİN(Student), 2009

ERYILMAZ A., Multiple case study on how physics teachers' characteristics affect students' motivation in physics, Doctorate, F.KORUR(Student), 2008

ERYILMAZ A., Assessing tenth grade students' difficulties about kinematics graphs by a three-tier test, Post Graduate, Ö.AYDIN(Student), 2007

ERYILMAZ A., The effects of conceptual approach and combined reading study strategy on students' achievement and attitudes towards physics, Doctorate, E.TAŞLIDERE(Student), 2007

ERYILMAZ A., Finding anchoring analogies to help students misconceptions in physics, Doctorate, S.YILMAZ(Student), 2007

ERYILMAZ A., The effect of peer instruction on sixth grade students' science achievement and attitudes, Doctorate, S.SENCAR(Student), 2007

ERYILMAZ A., Analysis of high school physics textbooks, Post Graduate, S.KAVAZ(Student), 2006

ERYILMAZ A., Analysis of issues related to education of pre-service physics teachers in Turkey, Post Graduate, M.TAM(Student), 2006

ERYILMAZ A., A needs analysis to develop an astronomy program for turkish elementary and secondary schools, Post Graduate, O.KAHRAMAN(Student), 2006

ERYILMAZ A., Diagnosis of eleventh grade students' misconceptions about geometric optic by a three-tier test, Post Graduate, Y.KUTLUAY(Student), 2005

ERYILMAZ A., Developing a three-tier test to assess high school students' misconceptions concerning force and motion,

Post Graduate, F.TÜRKER(Student), 2005

ERYILMAZ A., A survey about the opinions of student physics teachers, supervisors and mentors on practice teaching course, Post Graduate, N.ÇETİN(Student), 2005

ERYILMAZ A., Development of a three-tier to assess ninth grade students' misconceptions about simple electric circuits, Post Graduate, H.PEŞMAN(Student), 2005

ERYILMAZ A., Explaining the relationship between high school students' selected affective characteristics and their physics achievement, Post Graduate, Ö.DOĞAN(Student), 2005

ERYILMAZ A., The effect of activities based on role-play on ninth grade students' achievement and attitudes towards simple electric circuits, Post Graduate, Y.KÜÇÜKER(Student), 2004

GEBAN Ö., ERYILMAZ A., The effect of peer instruction on high school students' achievement and attitudes toward physics, Doctorate, H.ERYILMAZ(Student), 2004

ERYILMAZ A., The effects of textbook style and reading strategy on students' achievements and attitudes towards heat and temperature, Post Graduate, V.AKYÜZ(Student), 2004

ERYILMAZ A., The relationships between seventh and tenth grade students' self-estimated intelligence dimensions, and their science or physics achievement, Post Graduate, E.UYSAL(Student), 2004

ERYILMAZ A., Development and evaluation of a programmable simulation tool for learning physics, Post Graduate, E.TUNCA(Student), 2003

ERYILMAZ A., The effects of hands-on activities on ninth grade students' achievement and attitudes towards physics, Post Graduate, Ö.HARDAL(Student), 2003

ERYILMAZ A., Modeling the relationship between university students' selected affective characteristics and their physics achievement, Post Graduate, A.ABAK(Student), 2003

ERYILMAZ A., The effect of multiple intelligences based instruction on students' physics achievement, Doctorate, D.GÜRÇAY(Student), 2003

ERYILMAZ A., The effects of gender on different categories of students' misconceptions about force and motion, Post Graduate, D.TEMİZKAN(Student), 2003

ERYILMAZ A., The Effect of conceptual approach on students' achievement and attitudes toward physics, Post Graduate, E.TAŞLIDERE(Student), 2002

GEBAN Ö., ERYILMAZ A., The Effects of bridging analogies on high school students' misconceptions in mechanics, Post Graduate, S.YILMAZ(Student), 2001

ERYILMAZ A., The Effect of gender on different categories of ninth grade students' misconceptions concerning simple electric circuits, Post Graduate, S.SENCAR(Student), 2001

ERYILMAZ A., The effects of teachers' characteristics on high school student's physics achievement, motivation and attitudes, Post Graduate, F.KORUR(Student), 2001

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

- **Development and application of a four-tier test to assess pre-service physics teachers' misconceptions about geometrical optics**  
Kaltakci-Gurel D., ERYILMAZ A., MCDERMOTT L. C.  
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.35, pp.238-260, 2017 (Journal Indexed in SSCI)
- **Counterintuitive Dynamics Test**  
BALTA N., ERYILMAZ A.  
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.15, pp.411-431, 2017 (Journal Indexed in SSCI)
- **Effects of the Integrated Online Advance Organizer Teaching Materials on Students' Science Achievement and Attitude**  
Korur F., TOKER S., ERYILMAZ A.  
JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.25, pp.628-640, 2016 (Journal Indexed in SCI)
- **Identifying pre-service physics teachers' misconceptions and conceptual difficulties about geometrical optics**

Kaltakci-Gurel D., ERYILMAZ A., MCDERMOTT L. C.

EUROPEAN JOURNAL OF PHYSICS, vol.37, 2016 (Journal Indexed in SCI)

● **The influence of instructional interactions on students' mental models about the quantization of physical observables: a modern physics course case**

Korhasan N. D. , ERYILMAZ A., ERKOC Ş.

● EUROPEAN JOURNAL OF PHYSICS, vol.37, 2016 (Journal Indexed in SCI)

● **A Review and Comparison of Diagnostic Instruments to Identify Students' Misconceptions in Science**

Gurel D. K. , Eryilmaz A., MCDERMOTT L. C.

● EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.11, pp.989-1008, 2015

(Journal Indexed in SSCI)

● **Investigating students' mental models about the quantization of light, energy, and angular momentum**

Didis N., ERYILMAZ A., ERKOC Ş.

● PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH, vol.10, 2014 (Journal Indexed in SCI)

● **A Research Methodology to Conduct Effective Research Syntheses**

ÜSTÜN U., ERYILMAZ A.

● Egitim Ve Bilim-Education And Science, vol.39, pp.1-32, 2014 (Journal Indexed in SSCI)

● **A Content Analysis of Physics Textbooks as a Probable Source of Misconceptions in Geometric Optics**

Kaltakci Gurel D., ERYILMAZ A.

● HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION,

vol.28, pp.234-245, 2013 (Journal Indexed in SSCI)

● **Teachers' and Students' Perceptions of Effective Physics Teacher Characteristics**

Korur F., ERYILMAZ A.

● EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, pp.101-120, 2012 (Journal

Indexed in SSCI)

● **The Relative Effectiveness of Integrated Reading Study Strategy and Conceptual Physics Approach**

Taslidere E., ERYILMAZ A.

● RESEARCH IN SCIENCE EDUCATION, vol.42, pp.181-199, 2012 (Journal Indexed in SSCI)

● **Applying beliefs and resources frameworks to the psychometric analyses of an epistemology survey**

Yerdelen-Damar S., ELBY A., ERYILMAZ A.

● PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH, vol.8, 2012 (Journal Indexed in SCI)

● **Integrating Gender and Group Differences into Bridging Strategy**

YILMAZ S., ERYILMAZ A.

● JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.19, pp.341-355, 2010 (Journal Indexed in SCI)

● **Development and Application of Three-Tier Heat and Temperature Test: Sample of Bachelor and Graduate Students**

Eryilmaz A.

● EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.10, pp.53-76, 2010 (Journal

Indexed in SSCI)

● **Questions About Physics: The Case of a Turkish 'Ask a Scientist' Website**

YERDELEN-DAMAR S., ERYILMAZ A.

● RESEARCH IN SCIENCE EDUCATION, vol.40, pp.223-238, 2010 (Journal Indexed in SSCI)

● **Development of a Three-Tier Test to Assess Misconceptions About Simple Electric Circuits**

Pesman H., ERYILMAZ A.

● JOURNAL OF EDUCATIONAL RESEARCH, vol.103, pp.208-222, 2010 (Journal Indexed in SSCI)

● **Alternative to Traditional Physics Instruction: Effectiveness of Conceptual Physics Approach**

TASLIDERE E., ERYILMAZ A.

● EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.9, pp.109-128, 2009 (Journal

Indexed in SSCI)

● **THE DEVELOPMENT OF ANCHORING ANALOGY DIAGNOSTIC TEST**

YILMAZ S., ERYILMAZ A.

HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, pp.243-256, 2009 (Journal Indexed in SSCI)

● **The relationship of freshmen's physics achievement and their related affective characteristics**

GUNGOR A. ( , Eryilmaz A., Fakioglu T.

JOURNAL OF RESEARCH IN SCIENCE TEACHING, vol.44, pp.1036-1056, 2007 (Journal Indexed in SSCI)

● **Factors mediating the effect of gender on ninth-grade Turkish students' misconceptions concerning electric circuits**

SENCAR S., Eryilmaz A.

JOURNAL OF RESEARCH IN SCIENCE TEACHING, vol.41, pp.603-616, 2004 (Journal Indexed in SSCI)

● **Effects of conceptual assignments and conceptual change discussions on students' misconceptions and achievement regarding force and motion**

Eryilmaz A.

JOURNAL OF RESEARCH IN SCIENCE TEACHING, vol.39, pp.1001-1015, 2002 (Journal Indexed in SSCI)

● **Effects of gender cognitive development and socioeconomic status on physics achievement**

YILDIRIM U., ERYILMAZ A.

Hacettepe Universitesi Egitim Fakultesi Dergisi-Hacettepe University Journal Of Education, vol.15, pp.121-126, 1999 (Journal Indexed in SSCI)

## Articles Published in Other Journals

● **Analysis of a Content-based Needs Assessment Survey for Physics Teachers**

OKTAY Ö., ERYILMAZ A.

HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.35, pp.387-403, 2020 (Journal Indexed in ESCI)

● **The effect of the 'teacher-led PD for teachers' professional development program on students' achievement: an experimental study**

Balta N., ERYILMAZ A.

TEACHER DEVELOPMENT, 2019 (Journal Indexed in ESCI)

● **Analysis of Finnish Education System to question the reasons behind Finnish success in PISA**

Üstün U., Eryilmaz A.

Studies in Educational Research and Development, vol.2, pp.93-114, 2018 (National Refreed University Journal)

● **Interaction between Students' Motivation and Physics Teachers' Characteristics: Multiple Case Study**

KORUR F., ERYILMAZ A.

QUALITATIVE REPORT, vol.23, pp.3054-3083, 2018 (Journal Indexed in ESCI)

● **The Impact of The Metacognitive 7E Learning Cycle on Students Epistemological Understandings**

YERDELEN DAMAR S., ERYILMAZ A.

Kastamonu Eğitim Fakültesi Dergisi, vol.24, pp.603-618, 2016 (Refereed Journals of Other Institutions)

● **How to Write Good Quality Contextual Science Questions Criteris and Myths**

ELMAS R., ERYILMAZ A.

Journal of Theoretical Educational Sciences, vol.8, pp.564-580, 2015 (Refereed Journals of Other Institutions)

● **Öğretmen Nitelikleri Çevrimiçi Anketi Sonuçlarının Analizi**

KORUR F., ERYILMAZ A.

K.Ü. Kastamonu Eğitim Fakültesi Dergisi, vol.23, pp.1813-1830, 2015 (Refereed Journals of Other Institutions)

● **Analysis of the Problem Based Learning Implementations Students and Tutors Perceptions and Actions**

ATEŞ Ö., ERYILMAZ A.

Journal of Theory & Practice in Education, vol.11, pp.816-833, 2015 (Refereed Journals of Other Institutions)

● **Assessment of Pre Service Teachers Misconceptions in Geometrical Optics via a Three Tier Misconception**

TAŞLIDERE E., ERYILMAZ A.

- Bartın Üniversitesi Eğitim Fakültesi Dergisi, vol.4, pp.269-289, 2015 (Refereed Journals of Other Institutions)  
**Ulusal Fen Bilimleri ve Matematik Eğitimi Kongrelerindeki Fizik Eğitimi Çalışmalarının İçerik Analizi**  
KANLI U., GÜLÇİÇEK Ç., GÖKSU V., ÖNDER ÇELİKKANLI N., OKTAY Ö., ERASLAN F., ERASLAN F., ERYILMAZ A., GÜNEŞ B.
- Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi, vol.34, pp.127-153, 2014 (Other Refereed National Journals)  
**Content analysis of physics education studies published in Turkish Science Education Journal from 2004 to 2011**  
ÖNDER ÇELİKKANLI N., OKTAY Ö., ERASLAN F., GÜLÇİÇEK Ç., GÖKSU V., KANLI U., ERYILMAZ A., GÜNEŞ B.
- Journal of Turkish Science Education, vol.10, pp.151-163, 2013 (Other Refereed National Journals)  
**Basit elektrik devreleri konusuna yönelik tutum ölçeği geliştirilmesi ve öğrencilerin tutumlarının değerlendirilmesi**  
TAŞLIDERE E., ERYILMAZ A.
- Journal of Turkish Science Education, vol.9, pp.31-46, 2012 (Refereed Journals of Other Institutions)  
**Turkish New High School Physics Curriculum Teachers Views and Needs**  
BALTA N., ERYILMAZ A.
- Eurasian Journal of Physics and Chemistry Education, pp.72-88, 2011 (Refereed Journals of Other Institutions)  
**Upside down Image in a Spoon**  
BALTA N., ERYILMAZ A.
- Physics Education, vol.46, pp.380-382, 2011 (Refereed Journals of Other Institutions)  
**Effectiveness of hands on and minds on activities on students achievement and attitudes towards physics**  
ATEŞ Ö., ERYILMAZ A.
- Asia-Pacific Forum on Science Learning and Teaching, vol.12, pp.1-22, 2011 (Refereed Journals of Other Institutions)  
**Context based questions optics in animal eyes**  
KALTAKÇI GÜREL D., ERYILMAZ A.
- Physics Education, vol.46, pp.323-327, 2011 (Refereed Journals of Other Institutions)  
**Bir başarı testi geliştirme çalışması Basit elektrik devreleri başarı testi geçerlik ve güvenilirlik araştırması**  
ŞEN H. C. , ERYILMAZ A.
- Yüzüncü Yıl Üniversitesi Eğitim Fakültesi Dergisi, vol.8, pp.1-39, 2011 (Other Refereed National Journals)  
**Pre service Physics Teachers Comprehension of Quantum Mechanical Concepts**  
DİDİŞ KÖRHASAN N., ERYILMAZ A., ERKOÇ Ş.
- Eurasia Journal of Mathematics, Science & Technology Education, vol.6, pp.227-235, 2010 (Refereed Journals of Other Institutions)  
**Strengths and weaknesses of problem based learning students and tutors perceptions**  
ATEŞ Ö., ERYILMAZ A.
- Journal of the Buca Educational Sciences Faculty, vol.28, pp.40-58, 2010 (Other Refereed National Journals)  
**Lise Öğrencilerinin Fizik Başarılarına Etki Eden Öğretmen Nitelikleri ile İlgili Algıları**  
KORUR F., ERYILMAZ A.
- Gazi Eğitim Fakültesi Dergisi, vol.29, pp.733-761, 2009 (Other Refereed National Journals)  
**Çoklu Zeka Alanlarına Dayalı Fizik Öğretimine İlişkin Dokuzuncu Sınıf Öğrencilerinin ve Öğretmenlerinin Görüşleri**  
GÜRÇAY D., ERYILMAZ A.
- Milli Eğitim Bakanlığı Eğitim ve Sosyal Bilimler Dergisi, vol.179, pp.138-152, 2008 (Other Refereed National Journals)  
**Assessing the Impact of Bridging Analogies in Mechanics**  
Yılmaz S., Eryılmaz A., Geban Ö.
- School Science and Mathematics, vol.106, pp.220-230, 2006 (Refereed Journals of Other Institutions)  
**Yedinci ve Onuncu Sınıf Öğrencilerinin Kendini Değerlendirmesiyle Bulunan Çoklu Zeka Boyutları Üzerine Bir Çalışma**

UYSAL E., ERYILMAZ A.

Hacettepe Eğitim Dergisi, vol.30, pp.230-239, 2006 (Other Refereed National Journals)

● **Çoklu Zeka Alanlarına Dayalı Öğretimin Öğrencilerin Fizik Başarılarına Etkisi**

GÜRÇAY D., ERYILMAZ A.

Hacettepe Eğitim Fakültesi Dergisi, vol.29, pp.103-109, 2005 (Other Refereed National Journals)

● **Effects of Bridging Analogies on Students Misconceptions about Gravity and Inertia**

ABAK GÜNGÖR A., ERYILMAZ A., YILMAZ S., YILMAZ M.

Hacettepe Journal of Education, vol.20, pp.1-8, 2001 (Other Refereed National Journals)

● **Factors Affecting Students Attitudes toward Physics**

ÖZYÜREK A., ERYILMAZ A.

Eğitim ve Bilim Dergisi, vol.26, pp.21-28, 2001 (Other Refereed National Journals)

● **High School Students Misconceptions about Simple Electric Circuits**

SENCAR S., YILMAZ E. E. , ERYILMAZ A.

Hacettepe Journal of Education, vol.21, pp.113-120, 2001 (Other Refereed National Journals)

● **Geleneksel Öğretim Metodunun ODTÜ Öğrencilerinin Mekanik Dersindeki Kavram Yanılgılarına Etkisi**

ERYILMAZ A., TATLI A.

Eğitim ve Bilim Dergisi, vol.26, pp.72-77, 2001 (Other Refereed National Journals)

● **Öğretmen Adaylarına Verilecek Bilgisayar Okuryazarlığı Dersinin İçeriği ve Adayların Ders Hakkındaki Görüşleri**

GÜRBÜZ T., ERYILMAZ A., BULUT S.

Buca Eğitim Fakültesi Dergisi, vol.11, pp.46-55, 2000 (Other Refereed National Journals)

● **ODTÜ Öğrencilerinin Mekanik Konusundaki Kavram Yanılgıları**

ERYILMAZ A., TATLI A.

Hacettepe Journal of Education, vol.18, pp.93-98, 2000 (Other Refereed National Journals)

● **Comparison of Pre Service and In Service Science Teachers Perceptions About Good Science Teachers Characteristics**

ÜNAL ÇOBAN G., TATLI A., ERYILMAZ A.

Hacettepe Journal of Education, vol.19, pp.139-148, 2000 (Other Refereed National Journals)

● **The Effects of Gender Cognitive Development and Socioeconomic Status on Physics Achievement**

YILDIRIM U., ERYILMAZ A.

Hacettepe Journal of Education, vol.15, pp.121-126, 1999 (Other Refereed National Journals)

● **Effects of SES Locus of Control Prior Achievement Cumulative GPA Future Occupation and Achievement in Mathematics on Student s Attitudes Toward Physics**

UZ H., ERYILMAZ A.

Hacettepe Journal of Education, vol.17, pp.105-112, 1999 (Other Refereed National Journals)

● **Determining and Evaluating Ideal Physics Teacher s Characteristics**

ERYILMAZ A., İLASLAN H.

Hacettepe Journal of Education, vol.16, pp.53-60, 1999 (Other Refereed National Journals)

● **A Causal Model of Students Achievement in an Introductory Mechanics Course**

ERYILMAZ A., TATLI A.

Hacettepe Journal of Education, vol.15, pp.36-42, 1999 (Other Refereed National Journals)

## Books & Book Chapters

● **Doğru Bilinen Yanlılardan, Yanlış Bilinen Doğrulara: Fizikte Kavram Yanılgıları**

GÜNEŞ B., ATEŞ S., ERYILMAZ A., YÜRÜK N., ÖZDEMİR Ö. F. , KANLI U., SERİN G., ÜSTÜN U., AYGÜN M., GÜLÇİÇEK Ç., et al.

Palme Yayıncılık, Ankara, 2017

## Refereed Congress / Symposium Publications in Proceedings

- **Lise Öğrencilerinin Yedi Coğrafik Bölgeye Göre Kavram Yanılgıları Dağılımı Ve Öğrencilerin Kavram Yanılgıları Arasındaki İlişki Analizi**  
ERYILMAZ A., ÖZDEMİR Ö. F. , YILDIRIM U., Eraslan F., Eryurt K., GARİP B., DEMİRTAŞ D.  
12. ULUSAL FEN BİLİMLERİ VE MATEMATİK EĞİTİMİ KONGRESİ, Turkey, 28 - 30 September 2016
- **Türkiye’xxde Lise Öğrencilerinin Fizik Konularındaki Kavram Yanılgılarının Coğrafik Bölgelere Göre Haritalanması**  
ERYILMAZ A., ÖZDEMİR Ö. F. , YILDIRIM U., Eraslan F., Eryurt K., GARİP B., DEMİRTAŞ D.  
12. ULUSAL FEN BİLİMLERİ VE MATEMATİK EĞİTİMİ KONGRESİ, Turkey, 28 - 30 September 2016
- **Lise Öğrencilerinin Kuvvet Ve Hareket Konusundaki Kavram Yanılgıları Ve Kinematik Grafiklerini Anlama Konusunda Yaşadığı Zorluklar**  
ERYILMAZ A., ÖZDEMİR Ö. F. , YILDIRIM U., Eraslan F., Kübra E., GARİP B., DEMİRTAŞ D.  
12. ULUSAL FEN BİLİMLERİ VE MATEMATİK EĞİTİMİ KONGRESİ, Turkey, 28 - 30 September 2016
- **Lise Öğrencilerinin Basit Elektrik Devreleri Ve Geometrik Optik Konusundaki Kavram Yanılgıları**  
ERYILMAZ A., ÖZDEMİR Ö. F. , YILDIRIM U., eraslan F., Eryurt K., GARİP B., DEMİRTAŞ D.  
12. ULUSAL FEN BİLİMLERİ VE MATEMATİK EĞİTİMİ KONGRESİ, Turkey, 28 - 30 September 2016
- **Effects of the Online Advance Organizer Concept Teaching Material on Students Achievement Levels and Attitudes**  
KORUR F., TOKER S., ERYILMAZ A.  
İSER-2015 World Conference on Education, 10 - 12 July 2015, pp.22
- **Gap between 9th grade physics curriculum and 9th grade physics textbook in terms of including science process skills**  
YILMAZ SENEM B., ERYILMAZ A.  
Key Competences in Physics Teaching and Learning, 6 - 10 July 2015, pp.54
- **Effectiveness of the Online Advance Organizer Concept Teaching Material**  
KORUR F., TOKER S., ERYILMAZ A.  
ISER 2014-World Conference, 29 October - 02 November 2014
- **Promoting Conceptual Understandings with Metacognitive Inquiry Teaching Interaction between the Treatment and Students Epistemological Understandings**  
YERDELEN DAMAR S., ERYILMAZ A.  
ECER 2014, The Past, the Present and the Future of Educational Research, 1 - 05 September 2014, pp.1-4
- **Students Mental Models about the Quantization of Physical Observables**  
DİDİŞ KÖRHASAN N., ERYILMAZ A., ERKOÇ Ş.  
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- **The Assessment of Pre service Physics Teachers Misconceptions about Geometrical Optics with a Four Tier Diagnostic Test**  
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