

Prof. JALE ÇAKIROĞLU

Personal Information

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Education Information

Doctorate, Indiana University Bloomington, Program Geliştirme Ve Fen Eğitimi, United States Of America 1996 - 2000

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fen Bilimleri Eğitimi (Dr), Turkey 1990 - 1993

Undergraduate, Middle East Technical University, Faculty of Education, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Turkey 1985 - 1990

Foreign Languages

English, B2 Upper Intermediate

Research Areas

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

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Education, Science and Mathematics Education, 2012 - Continues
Associate Professor, Middle East Technical University, Faculty Of Education, Science and Mathematics Education, 2006 - 2012

Assistant Professor, Middle East Technical University, Faculty Of Education, Science and Mathematics Education, 2002 - 2006

Lecturer, Middle East Technical University, Faculty Of Education, Science and Mathematics Education, 2001 - 2002

Research Assistant, Middle East Technical University, Faculty Of Education, Science and Mathematics Education, 1990 - 2001

Academic and Administrative Experience

YÖK Denklik Bilim Kurulu Üyeliği, Middle East Technical University, Faculty of Education, Science and Mathematics Education, 2017 - Continues

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Middle East Technical University, Faculty of Education, Science and Mathematics Education, 2019 - 2020

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Middle East Technical University, Faculty of Education, Science and Mathematics Education, 2018 - 2018

Courses

Practice Teaching in Elementary Education, Undergraduate, 2018 - 2019

Project in Elementary Science & Mathematics, Undergraduate, 2018 - 2019

School Experience, Undergraduate, 2018 - 2019

Advising Theses

Çakıroğlu J., Developing seventh grade students' scientific epistemological beliefs, science process skills and lake ecosystem understandings through Lake Eymir Education Program, Postgraduate, M.BÜŞRA(Student), 2019

Çakıroğlu J., Pre-service science teachers' tpack efficacy levels and technology integration quality: Application of tpack-iddirr model, Postgraduate, İ.ATAKAN(Student), 2019

Çakıroğlu J., Investigation of preservice science teachers' nature of science understanding and decision making on socioscientific issue through the fractal model, Doctorate, E.ECE(Student), 2019

Çakıroğlu J., Köseoğlu F., A STUDY ON PROFESSIONAL DEVELOPMENT TOWARD SCIENCE CENTERS: CHANGE IN SCIENCE TEACHERS' AWARENESS ABOUT SCIENCE CENTERS AND WAYS OF CONDUCTING SCIENCE CENTER VISITS, Doctorate, S.TAHANCALIO(Student), 2019

Çakıroğlu J., THE EFFECTS OF ENGINEERING DESIGN BASED INSTRUCTION ON 7TH GRADE STUDENTS' NATURE OF ENGINEERING VIEWS AND ATTITUDES TOWARDS STEM, Postgraduate, B.AYDOĞAN(Student), 2019

ÇAKIROĞLU J., Developing seventh grade students' scientific epistemological beliefs, science process skills and lake ecosystem understandings through Lake Eymir education program, Postgraduate, M.Büşra(Student), 2019

ÇAKIROĞLU J., Pre-service science teachers' TPACK efficacy levels and technology integration quality: application of TPACK-IDDIRR model, Postgraduate, İ.Atakan(Student), 2019

ÇAKIROĞLU J., The Effects of engineering design based instruction on 7th grade students' nature of engineering views and attitudes towards STEM, Postgraduate, B.Aydoğan(Student), 2019

Çakıroğlu J., Öztekin C., Exploring gifted students' science homework self-regulation skills., Postgraduate, N.BERBER(Student), 2019

ÇAKIROĞLU J., Changes in a science teacher's pedagogical practices and beliefs following ABI: onsite ongoing professional support, Postgraduate, F.Nur(Student), 2018

ÇAKIROĞLU J., Changes in a science teacher's pedagogical practices and beliefs following abi: Onsite ongoing professional support, Postgraduate, F.NUR(Student), 2018

ÇAKIROĞLU J., Exploring 6th grade students' scientific epistemological beliefs and metacognitive awareness regarding achievement level, Doctorate, Y.BOĞAR(Student), 2018

ÇAKIROĞLU J., Examination of topic-specific nature of pedagogical content knowledge: a case of science teacher of gifted students /, Doctorate, B.ÇAYLAK(Student), 2017

ÖZTEKİN C., ÇAKIROĞLU J., Early childhood teachers' science teaching intentions and behaviours: an application of the theory of planned behaviour, Doctorate, G.Özcan(Student), 2016

ÇAKIROĞLU J., Analyzing collective efficacy of preservice science teachers in science methods course, Doctorate, V.ATASOY(Student), 2016

ÖZTEKİN C., ÇAKIROĞLU J., Investigating the effects of science writing heuristic approach on eight grade students' achievement, metacognition and epistemological beliefs, Postgraduate, S.TUĞÇE(Student), 2016

ÇAKIROĞLU J., Investigating questioning patterns of teachers through their pedagogical progression in argument-based inquiry classrooms, Postgraduate, B.KILIÇ(Student), 2016

ÖZTEKİN C., ÇAKIROĞLU J., Early childhood teachers' science teaching intentions and behaviours: An application of the theory of planned behaviour, Doctorate, G.ÖZCAN(Student), 2016

ÇAKIROĞLU J., Middle school students' reasoning patterns and comprehensions about pseudoscientific applications related to crystals, Doctorate, D.METİN(Student), 2015

ÇAKIROĞLU J., Science teachers' theory and pedagogy of argumentation in science education: Design, implementation, and evaluation of a graduate course through educational design research, Doctorate, Y.ÖZDEM(Student), 2014

ÇAKIROĞLU J., The investigation of pedagogical content knowledge of teachers: The case of teaching genetics, Doctorate, M.AYDEMİR(Student), 2014

ÇAKIROĞLU J., ERTEPINAR H., Science teachers' theory and pedagogy of argumentation in science education: design,

implementation, and evaluation of a graduate course through educational design research, Doctorate, Y.Özdem(Student), 2014

ÇAKIROĞLU J., Conceptual, structural and epistemic aspects of science teachers' argumentation practices in the context of evolutionary theory, Postgraduate, E.YEŞİLYURT(Student), 2014

ÇAKIROĞLU J., Development of pre-service science teachers' nature of science views and nature of science instructional planning within a contextualized explicit reflective approach, Doctorate, K.BİLİCAN(Student), 2014

ÇAKIROĞLU J., The interrelation between pre-service science teachers' conceptions of teaching and learning, learning approaches and self-efficacy beliefs, Postgraduate, S.SAÇICI(Student), 2013

Olgan R., Çakıroğlu J., Environmental education in early childhood teacher training programs: Perceptions and beliefs of pre-service teachers, Postgraduate, Z.GÜNER(Student), 2013

KONDAKÇI E., ÇAKIROĞLU J., Self-efficacy, learning strategies, task value and gender: predictors of 11th grade biology achievement, Postgraduate, A.Mutlu(Student), 2012

ÇAKIROĞLU J., Investigation of the relationship between pre-service science teachers' understandings of nature of science and their personal characteristics, Postgraduate, G.ÇETİNKAYA(Student), 2012

ÇAKIROĞLU J., The Effect of using metacognitive strategies embedded in explicit reflective nature of science instruction on the development of pre-service science teachers/, Postgraduate, A.Baraz(Student), 2012

ÇAKIROĞLU J., The effect of using metacognitive strategies embedded in explicit-reflective nature of science instruction on the development of pre-service science teachers' understandings of nature of science, Postgraduate, A.BARAZ(Student), 2012

ÇAKIROĞLU J., Science teachers' perceptions of the elementary science and technology curriculum, Postgraduate, E.ECE(Student), 2011

ÇAKIROĞLU J., The influence of argumentation based instruction on sixth grade students' attitudes toward science, conceptual understandings of physical and chemical change topic and argumentativeness, Postgraduate, B.ZÜHAL(Student), 2011

ÇAKIROĞLU J., Investigating pre-service science teachers' quality of written argumentations about socio-scientific issues in relation to epistemic beliefs and argumentativeness, Postgraduate, E.İŞBİLİR(Student), 2010

GEBAN Ö., ÇAKIROĞLU J., The effect of explicit embedded reflective instruction on nature of science understandings, scientific literacy levels and achievement on cell unit, Doctorate, M.SERDAR(Student), 2010

ÇAKIROĞLU J., ÖZDEMİR Ö. F. , Relation of cognitive and motivational variables with students' human circulatory system achievement in traditional and learning cycle classrooms, Doctorate, Ö.SADİ(Student), 2010

ÇAKIROĞLU J., Öğrenme halkası modelinin lise öğrencilerinin nükleik asitler ve protein sentezi konularını anlamalarına, motivasyonlarına ve öğrenme stratejilerine etkisinin incelenmesi, Doctorate, Ö.SAYGIN(Student), 2009

ÇAKIROĞLU J., An investigation of pre-service elementary science teachers' scientific literacy level and their attitudes towards science, Postgraduate, Ö.ULUTAŞ(Student), 2009

ÇAKIROĞLU J., The nature of pre-service science teachers' argumentation in inquiry-oriented laboratory context, Postgraduate, Y.ÖZDEM(Student), 2009

ÇAKIROĞLU J., Exploring representation of nature of science aspects in science textbooks, Postgraduate, Y.YAMAK(Student), 2009

ÇAKIROĞLU J., A study on the predictors of teachers' sense of efficacy beliefs, Postgraduate, G.Gür(Student), 2008

ÇAKIROĞLU J., A Study on the predictors of teachers' sense of efficacy beliefs, Postgraduate, G.GÜR(Student), 2008

ÇAKIROĞLU J., Professional development of preservice biology teachers through reflective thinking, Doctorate, A.SAVRAN(Student), 2008

SUNGUR S., ÇAKIROĞLU J., Examining 8th grade students' perception of learning environment of science classrooms in relation to motivational beliefs and attitudes, Postgraduate, N.ARISOY(Student), 2007

ÇAKIROĞLU J., The effect of 5E learning cycle approach on sixth grade students' understanding of cell concept, attitude toward science and scientific epistemological beliefs, Postgraduate, D.Kaynar(Student), 2007

ÖZTEKİN C., ÇAKIROĞLU J., The effect of 5e learning cycle approach on sixth grade students understanding of cell concept, attitude toward science and scientific epistemological beliefs, Postgraduate, D.KAYNAR(Student), 2007

ÇAKIROĞLU J., ÖZTEKİN C., Scientific epistemological beliefs, perceptions of constructivist learning environment and attitude towards science as determinants of students approaches to learning, Postgraduate, K.ÖZKAL(Student), 2007

ÖZTEKİN C., ÇAKIROĞLU J., The effect of gender and reasoning ability on the students' understanding of ecological

concepts and attitude towards science, Postgraduate, H.SOYLU(Student), 2006

ÇAKIROĞLU J., Students perceptions' of their science teachers' interpersonal behaviour in two countries : Turkey and te Netherlands, Doctorate, S.Telli(Student), 2006

SUNGUR S., ÇAKIROĞLU J., Predicting academic achievement with cognitive and motivational variables, Postgraduate, N.YUMUŞAK(Student), 2006

ÇAKIROĞLU J., ÖZTEKİN C., Examining middle school students' understanding of the nature of science, Postgraduate, M.ÇELİKDEMİR(Student), 2006

ÇAKIROĞLU J., The effects of hands-on activity enriched instruction on sixth grade students' achievement and attitudes towards science, Postgraduate, Ö.TÜRK(Student), 2005

ÇAKIROĞLU J., Preservice science teachers perception of professin with metaphorical images and reasons of choosing teaching as a profession., Postgraduate, E.Güzel(Student), 2005

ÖZTEKİN C., ÇAKIROĞLU J., Improwing 8th grade students' understanding of photosynthesis and respiration in plants by using 5E learning cycle and conceptual change text, Postgraduate, S.BALCI(Student), 2005

ÇAKIROĞLU J., Improving 8th grade students' understanding of photosynthesis and respiration in plants by using 5E learning cycle and conceptual change text, Postgraduate, S.Balcı(Student), 2005

ÇAKIROĞLU J., Türkiye genelinde ortaöğretim fen branşı öğretmen ve öğrencilerinin bilimin doğası üzerine görüşlerinin araştırılması, Doctorate, N.DOĞAN(Student), 2005

ÇAKIROĞLU J., GEBAN Ö., Preservice science teachers perception of profession with metaphorical images and reasons of choosing teaching as a profession, Postgraduate, E.GÜZEL(Student), 2005

ÇAKIROĞLU J., Eight grade students' perceptions of their science learning environment and teachers' interpersonal behavior, Postgraduate, N.RAKICI(Student), 2004

ÖZTEKİN C., ÇAKIROĞLU J., Investigation of the preservice science teachers' views on science technology and society issues, Postgraduate, E.KAHYAOĞLU(Student), 2004

ÖZTEKİN C., ÇAKIROĞLU J., Preservice elementary teachers' science knowledge, attitude toward science teaching and their efficacy beliefs regarding science teaching, Postgraduate, H.SARIKAYA(Student), 2004

ÖZTEKİN C., ÇAKIROĞLU J., Investigation of the preservice science teachers' views on nature of science, Postgraduate, R.ERDOĞAN(Student), 2004

ÇAKIROĞLU J., Preservice science teacher's efficacy beliefs regarding science teaching and their classroom management beliefs, Postgraduate, A.SAVRAN(Student), 2002

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

- I. **The Effects of Engineering Design-Based Instruction On 7th Grade Students' Nature of Engineering Views**
Aydogan B., ÇAKIROĞLU J.
JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, 2021 (Journal Indexed in SCI)
- II. **Novice and experienced science teachers' conceptual knowledge of evolutionary theory within the context of micro-and macroevolution**
Yesilyurt E., Öztekin C., Çakiroğlu J., Deniz H.
Journal of Biological Education, vol.55, no.2, pp.109-127, 2021 (Journal Indexed in SCI Expanded)
- III. **Perceptions of Eighth Graders Concerning the Aim, Effectiveness, and Scientific Basis of Pseudoscience: the Case of Crystal Healing**
Metin D., ÇAKIROĞLU J., Lelebicioglu G.
RESEARCH IN SCIENCE EDUCATION, vol.50, no.1, pp.175-202, 2020 (Journal Indexed in SSCI)
- IV. **Preservice science teachers' collective efficacy in a science methods course**
Atasoy V., ÇAKIROĞLU J.
EDUCATIONAL STUDIES, vol.45, no.3, pp.326-341, 2019 (Journal Indexed in SSCI)
- V. **Learner Characteristics and Understanding Nature of Science Is There an Association?**
Cetinkaya-Aydin G., ÇAKIROĞLU J.
SCIENCE & EDUCATION, vol.26, pp.919-951, 2017 (Journal Indexed in SCI)

- VI. **The pedagogy of argumentation in science education: science teachers' instructional practices**
Yilmaz Y. O. , ÇAKIROĞLU J., ERTEPINAR H., ERDURAN S.
INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, vol.39, no.11, pp.1443-1464, 2017 (Journal Indexed in SSCI)
- VII. **The Effect of Explicit-Embedded-Reflective Instruction on Scientific Literacy**
Koksal M., ÇAKIROĞLU J., GEBAN Ö.
CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE, vol.18, no.2, pp.351-390, 2016 (Journal Indexed in SSCI)
- VIII. **The Effect of Logical Thinking Ability and Gender on Science Achievements and Attitudes towards Science**
SADI Ö., ÇAKIROĞLU J.
CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE, vol.17, pp.97-115, 2015 (Journal Indexed in SSCI)
- IX. **Pre-Service Science Teachers' Written Argumentation Qualities: From the Perspectives of Socio-Scientific Issues, Epistemic Belief Levels and Online Discussion Environment**
Isbilir E., ÇAKIROĞLU J., Ertepinar H.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.10, no.5, pp.371-381, 2014 (Journal Indexed in SSCI)
- X. **Relations of Cognitive and Motivational Variables with Students' Human Circulatory System Achievement in Traditional and Learning Cycle Classrooms**
SADI Ö., ÇAKIROĞLU J.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.14, no.5, pp.1997-2012, 2014 (Journal Indexed in SSCI)
- XI. **The effect of explicit embedded reflective instruction on nature of science understandings in advanced science students**
Koksal M. S. , Çakiroğlu J., Geban Ö.
JOURNAL OF BIOLOGICAL EDUCATION, vol.47, pp.208-223, 2013 (Journal Indexed in SCI)
- XII. **The Nature of Pre-service Science Teachers' Argumentation in Inquiry-oriented Laboratory Context**
Ozdem Y., ERTEPINAR H., ÇAKIROĞLU J., Erduran S.
INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, vol.35, no.15, pp.2559-2586, 2013 (Journal Indexed in SSCI)
- XIII. **WHAT NOS TEACHING PRACTICES TELL US: A CASE OF TWO SCIENCE TEACHERS**
DOĞAN N., ÇAKIROĞLU J., BİLİCAN K., Cavus S.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.12, no.4, pp.424-439, 2013 (Journal Indexed in SSCI)
- XIV. **Investigating predictors of sense of efficacy beliefs of classroom science and mathematics teachers**
GÜR G., ÇAKIROĞLU J., ÇAPA AYDIN Y.
Egitim Ve Bilim-Education And Science, vol.37, pp.68-76, 2012 (Journal Indexed in SSCI)
- XV. **EFFECTS OF HANDS-ON ACTIVITY ENRICHED INSTRUCTION ON STUDENTS' ACHIEVEMENT AND ATTITUDES TOWARDS SCIENCE**
SADI Ö., ÇAKIROĞLU J.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.10, no.2, pp.87-97, 2011 (Journal Indexed in SSCI)
- XVI. **The importance of teacher-student interpersonal relationships for Turkish students' attitudes towards science**
Telli S., den Brok P., ÇAKIROĞLU J.
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.28, no.3, pp.261-276, 2010 (Journal Indexed in SSCI)
- XVII. **AN INVESTIGATION OF ELEMENTARY STUDENTS' SCIENTIFIC LITERACY LEVELS**
Ozdem Y., ÇAVAŞ P., ÇAVAŞ B., ÇAKIROĞLU J., Ertepinar H.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.9, no.1, pp.6-19, 2010 (Journal Indexed in SSCI)
- XVIII. **DEVELOPMENT OF NATURE OF SCIENCE SCALE (NSS) FOR ADVANCED SCIENCE STUDENTS**
Koksal M. S. , ÇAKIROĞLU J.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.9, no.2, pp.87-98, 2010 (Journal Indexed in SSCI)
- XIX. **Investigating 8(th) Grade Students' Perceptions of Constructivist Science Learning Environment**
Ozkal K., Öztekin C., Çakiroğlu J.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.34, pp.38-46, 2009 (Journal Indexed in SSCI)

- XX. **Assessing pre-service teachers' environmental literacy in Turkey as a mean to develop teacher education programs**
Tuncer G., Tekkaya C., SUNGUR S., ÇAKIROĞLU J., Ertepinar H., Kaplowitz M.
INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT, vol.29, no.4, pp.426-436, 2009 (Journal Indexed in SSCI)
- XXI. **A conceptual model of relationships among constructivist learning environment perceptions, epistemological beliefs, and learning approaches**
Özkal K., Tekkaya C., Çakiroğlu J., Sungur S.
LEARNING AND INDIVIDUAL DIFFERENCES, vol.19, pp.71-79, 2009 (Journal Indexed in SSCI)
- XXII. **Teachers' and Students' Perceptions of the Ideal Teacher**
Telli S., den Brok P., ÇAKIROĞLU J.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.33, no.149, pp.118-129, 2008 (Journal Indexed in SSCI)
- XXIII. **Turkish preservice science teachers' efficacy beliefs regarding science teaching and their beliefs about classroom management**
Gencer A. S. , Cakiroglu J.
TEACHING AND TEACHER EDUCATION, vol.23, no.5, pp.664-675, 2007 (Journal Indexed in SSCI)
- XXIV. **Engagement exploration, explanation, extension, and, evaluation (5E) learning cycle and conceptual change text as learning tools**
Balci S., Cakiroglu J., Tekkaya C.
BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION, vol.34, pp.199-203, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Study on Examining Relationship between Pre-Service Teachers' Collective Efficacy and Science Teaching Efficacy Beliefs**
Atasoy V., ÇAKIROĞLU J.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.35, no.2, pp.466-479, 2020 (Journal Indexed in ESCI)
- II. **Beliefs about integration of environmental education into the early years: scale development**
Güner Alpaslan Z., Olgan R., Çakiroğlu J.
Ahi Evran Üniversitesi Kırşehir Eğitim Fakültesi Dergisi, vol.18, pp.880-907, 2017 (Other Refereed National Journals)
- III. **How contextualized learning settings enhance meaningful nature of science understanding**
BİLİCAN K., ÇAKIROĞLU J., ÖZTEKİN C.
Science Education International, vol.27, pp.463-487, 2015 (Refereed Journals of Other Institutions)
- IV. **Turkish pre service elementary science teachers scientific literacy level and attitudes toward science**
ÇAVAŞ P., ÖZDEM YILMAZ Y., ÇAKIROĞLU J., ÇAVAŞ B., ERTEPINAR H.
Science Education International, vol.24, pp.383-401, 2013 (Refereed Journals of Other Institutions)
- V. **Elementary Students' Scientific Epistemological Beliefs in Relation to Socio-Economic Status and Gender**
Ozkal K., Tekkaya C., SUNGUR S., ÇAKIROĞLU J., ÇAKIROĞLU E.
Journal of Science Teacher Education, vol.22, no.2, pp.115-127, 2011 (Journal Indexed in ESCI)
- VI. **Learning Environment Profiles of Turkish Secondary Biology Classrooms**
DEN BROK P., TELLİ S., ÇAKIROĞLU J., TEKKAYA C., TACONİS R.
Learning Environment Research, vol.13, pp.187-204, 2010 (Refereed Journals of Other Institutions)
- VII. **Effectiveness of 5E Learning Cycle Instruction on Students Achievement in Cell Concept and Scientific Epistemological Beliefs**
Kaynar D., Öztekin C., Çakiroğlu J.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.37, pp.96-105, 2009 (National Refreed University Journal)
- VIII. **Turkish high school students biology achievement in relation to academic self regulation**

- Yumuşak N., Sungur S., Çakıroğlu J.
Educational Research and Evaluation, vol.13, pp.53-69, 2007 (Refereed Journals of Other Institutions)
- IX. **Students Perceptions of Science Teachers Interpersonal Behaviour in Secondary Schools Development of a Turkish Version of the Questionnaire on Teacher Interaction**
TELLİ S., DEN BROK P., ÇAKIROĞLU J.
Learning Environment Research, 2007 (Refereed Journals of Other Institutions)
- X. **Lise Öğrencilerinin Bilim ve Bilim İnsanı Hakkındaki Görüşleri**
BORA DOĞAN N., ARSLAN O., ÇAKIROĞLU J.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.31, pp.32-44, 2006 (Other Refereed National Journals)
- XI. **Ninth Grade Students Understanding of the Nature of Scientific Knowledge**
KILIÇ K., SUNGUR S., ÇAKIROĞLU J., TEKKAYA C.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.28, pp.127-133, 2005 (Other Refereed National Journals)
- XII. **Pre service Teacher Self efficacy Beliefs Regarding Science Teaching A Comparison of Pre service Teachers in Turkey and the USA**
ÇAKIROĞLU J., ÇAKIROĞLU E., BOONE W.
Science Educator, vol.14, pp.31-40, 2005 (Refereed Journals of Other Institutions)
- XIII. **The Development and Validation of a Turkish Version of Teachers Sense of Efficacy Scale**
Çapa Aydın Y., Çakıroğlu J., Sarıkaya H.
Eğitim ve Bilim, vol.30, pp.74-81, 2005 (Other Refereed National Journals)
- XIV. **Self Efficacy Attitude and Science Knowledge**
Sarıkaya H., Çakıroğlu J., Öztekin C.
Academic Exchange Quarterly, vol.9, no.4, pp.38-42, 2005 (Refereed Journals of Other Institutions)
- XV. **Turkish Preservice Science Teachers Understanding of Science and Their Confidence in Teaching it**
TEKKAYA C., ÇAKIROĞLU J., ÖZKAN Ö.
Journal of Education for Teaching: International Research and Pedagogy, 2004 (Refereed Journals of Other Institutions)
- XVI. **Reflections on Teacher Education in Turkey**
Çakıroğlu E., Çakıroğlu J.
Journal of European Teacher Education, vol.26, pp.253-265, 2003 (Refereed Journals of Other Institutions)
- XVII. **Preservice Elementary Teachers Self efficacy Beliefs and Their Conceptions of Photosynthesis and Inheritance**
ÇAKIROĞLU J., BOONE W.
Journal of Elementary Science Education, vol.14, pp.1-14, 2002 (Refereed Journals of Other Institutions)
- XVIII. **Preservice Biology Teachers Perceived Efficacy Beliefs in Teaching Biology**
SAVRAN GENCER A., ÇAKIROĞLU J.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.21, pp.105-112, 2001 (Other Refereed National Journals)
- XIX. **Öğretimde bilgisayar kullanımına ilişkin öğretmen görüşleri**
ÇAĞILTAY K., ÇAKIROĞLU J., ÇAĞILTAY N., ÇAKIROĞLU E.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.7, pp.8, 2001 (Other Refereed National Journals)

Books & Book Chapters

- I. **Fen Bilimleri Öğretiminde Teknoloji Kullanımı**
Çetinkaya Aydın G., Çakıroğlu J.
in: Fen ve Matematik Eğitiminde Teknolojik Yaklaşımlar, Devrim Akgündüz, Editor, Anı Yayıncılık, Ankara, pp.57-73, 2019
- II. **Analyzing Middle School Students' Perceptions of their Science Classroom in Relation to Attitudes and Motivation**
Arısoy N., ÇAKIROĞLU J., SUNGUR S., TELLİ S.
in: Teachers creating context based learning environments in science, B. Fraser & J. Dorman , Editor, SENSE

Publishers, pp.173-190, 2016

III. Analysing middle school students' perceptions of their science classroom in relation to attitudes and motivation

ARISOY N., ÇAKIROĞLU J., SUNGUR S., TELLİ S.

in: Teachers Creating Context Based Learning Environments, R. Taconis, P. den Brok ve A. Pilot, Editor, Sense Publishers, Rotterdam, pp.173-190, 2016

IV. Bilimin Doğası ve Öğretimi

DOĞAN N., ÇAKIROĞLU J., BİLİCAN K., ÇAVUŞ GÜNGÖREN S.

Pegem Akademi, 2012

V. Science teaching efficacy beliefs

Çakıroğlu J., Çapa Aydın Y., Woolfolk Hoy A.

in: Second International Handbook of Science Education, B.J. Fraser, K.G. Tobin & McRobbie, C. J, Editor, Springer, London/Berlin, New-York, pp.449-462, 2012

Refereed Congress / Symposium Publications in Proceedings

I. Fen Bilimleri Öğretmenlerinin Teknopedagojik Eğitim Yeterliklerinin Farklı Değişkenler Açısından İncelenmesi

TANRISEVDİ M., ÇAKIROĞLU J., CANBAZOĞLU BİLİCİ S.

UFBMEK 2021, Turkey, 19 May 2021

II. Research Trends in Informal Science Learning from 2008 to 2017: A Content Analysis

Tanrısevdi M., Çakıroğlu J.

The European Conference in Educational Research (ECER) 2019, Hamburg, Germany, 2 - 06 September 2019, pp.1-3

III. Changes in Nature of Engineering Views of 7th Grade Students with Engineering Design-Based Instruction

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IV. Changes In A Science Teacher's Pedagogical Practices And Beliefs Following ABI: Onsite Ongoing Professional Support

Erdal F. N. , Çakıroğlu J.

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Tahancalo S., Çakıroğlu J., Köseoğlu F.

European Educational Research Association (ECER), Bolzano, Italy, 3 - 07 September 2018, pp.1-6

VIII. PCK Mapping of Three Experienced Science Teachers in Refraction of Light Topic

Güler Nalbantoğlu F., Çakıroğlu J.

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ATASOY V., ÇAKIROĞLU J.
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- X. **Application of Draw an Engineer Test (DAET) for a Better Understanding of Middle School Students' Conceptions of Engineering**
Ertuğrul G. G. , Karakaya A., ÇAKIROĞLU J.
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- XI. **Investigating the Sources of Collective Efficacy in Group Work of Preservice Science Teachers**
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- XII. **Differences between planning and practicing process of a science teacher's pedagogical content knowledge. International**
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- XIII. **How can we understand the interaction of PCK components of a science teacher?**
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- XIV. **Collective Efficacy: New Motivational Construct to Improve Science Teaching Efficacy Beliefs**
Atasoy V., Çakroğlu J.
Vth International Eurasian Educational Research Congress (EJER Congress), Antalya, Turkey, 2 - 05 May 2018, pp.771
- XV. **Science Education Research for Citizen Science Classroom-based Activities: A Content Analysis of papers published in 2016**
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- XVI. **Pre-Service Science Teachers' Conceptions of STEM Education**
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- XVII. **Addition of New Constructs in the TPB Model in the Context of Early Childhood Teachers' Science Teaching Behaviour**
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ÇAKIROĞLU J., YILMAZ TÜZÜN Ö., ÇETİNKAYA AYDIN G.
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ÇETİNKAYA AYDIN G., ÇAKIROĞLU J.
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- XXI. **Investigation of interaction PCK components of pre-service science teachers in STEM lesson plans**
ÇAYLAK B., ÇAKIROĞLU J., YILMAZ TÜZÜN Ö.
International Conference on Education in Mathematics, Science Technology (ICEMST), İzmir, Turkey, 18 - 21 May 2017, pp.128
- XXII. **Enhancing preservice science teachers' SSI teaching self-efficacy beliefs and character and values for global citizenship**
YILMAZ TÜZÜN Ö., ÖZTÜRK N., ÇAKIROĞLU J.
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- XXIV. **Investigating a science teacher's pedagogical difficulties while teaching 7th grade force and motion unit**
ÇAYLAK B., ÇAKIROĞLU J.
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- XXV. **Design, Implementation and Evaluation of a Graduate Course on Argumentation**
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- XXVI. **Theory and pedagogy of argumentation: Science teachers' instructional practices**
ÖZDEM YILMAZ Y., ÇAKIROĞLU J., ERTEPİNAR H.
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- XXVII. **Lisansüstü öğrenim gören fen alanı öğretmenlerinin argümantasyon dersinde geliştirdikleri öğretim stratejileri**
ÖZDEM YILMAZ Y., ÇAKIROĞLU J., ERTEPİNAR H.
12. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Trabzon, Turkey, 28 - 30 September 2016
- XXVIII. **6 Sınıf öğrencilerin bilimsel epistemolojik inançlarını ve bilişüstü farkındalıklarını belirlemeye yönelik bir çalışma**
BOĞAR Y., ÇAKIROĞLU J.
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- XXXIII. **Aim working status and scientific status of crystal healing as pseudoscience from middle school students perspectives**
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Citations

Total Citations (WOS):439

h-index (WOS):11