



Assoc. Prof. NAİL İLHAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-9700-2019

ScopusID: 56641010500

Yoksis Researcher ID: 19573



Biography

I am PhD in science education with main interest in chemistry education. My research interests include science education, chemistry education, pre-school science education, primary school science education, teacher training. I focus on research about context-based teaching, evidence-based practice in education, affective factors in science education, interest and motivation in science, assessment and measurement, cognitive skills in science education, Skill based (context based) question, STEM Education.

I am conducting courses in the fields of science education at undergraduate and graduate levels, research methods, teaching methods, assessment and evaluation and STEM, computational thinking, artificial intelligence in education.

Education Information

2004 - 2010	Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Ortaöğretim Fen Ve Matematik Alanları Eğitimi - Anabilim Dalı, Turkey
1999 - 2004	Undergraduate, Van Yüzüncü Yıl University, Eğitim Fakültesi, Orta Öğretim Fen Ve Matematik Alanları Eğitimi Bölümü, Turkey

Certificates, Courses and Trainings

2021	Lisansüstü Akademik Danışmanlık Eğitimi [Postgraduate Academic Counseling Training], Vocational Training, Atatürk Üniversitesi
2020	Certificied Publons Academy Peer Reviewer, Vocational Course, Publons Academy
2020	KOSGEB Girişimcilik Eğitimi, Entrepreneurship, KOSGEB - Small and Medium Enterprises Development and Support Administration
2019	Profesyonel Öğrenci Koçluğu / Professional Student Coaching, Personal Evolution, Kocaeli University
2019	Profesyonel Yaşam Koçluğu / Professional Life Coaching, Personal Evolution, Kocaeli University
2012	PROJE DÖNGÜSÜ YÖNETİMİ, Project Management, İpekyolu Kalkınma Ajansı

Dissertations

2010 The effect of context based approach on the learning of chemical equilibrium, Ataturk University, Eğitim Bilimleri Enstitüsü, Matematik Ve Fen Bilimleri Eğitimi Anabilim Dalı, Doctorate

Research Areas

Education, Teacher Training For Primary School, Teacher Training in Natural Sciences, Education in Natural Sciences, Education in Chemistry, Teacher Training

Academic Titles / Tasks

2021 - Continues Associate Professor, Inonu University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi
2020 - 2021 Assistant Professor, Inonu University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi
2011 - 2020 Assistant Professor, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2010 - 2011 Assistant Professor, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Basic Education

Academic and Administrative Experience

2016 - 2017 Head of Department, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2015 - 2017 Director of The Institution, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2015 - 2017 BAP Scientific Commissioner, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2013 - 2017 Institute Board Member, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2013 - 2015 Assistant Director of the Institute, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2011 - 2015 Head of Department, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2013 - 2014 Vice Dean, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching
2011 - 2012 BAP Scientific Commissioner, Kilis 7 Aralık University, Muallim Rifat Faculty Of Education, Department Of Mathematics And Science Teaching

Courses

2021 - 2022 Research Methods in Education, Undergraduate
2022 - 2023, 2021 - 2022 Specialization Course , Postgraduate
2022 - 2023, 2021 - 2022 Specialization Course, Doctorate
2022 - 2023 Teacher Training Practice I, Undergraduate
2022 - 2023, 2021 - 2022 Advanced Quantitative Research Methods-II, Doctorate

2021 - 2022, 2020 - 2021	Material Design in Science Teaching, Undergraduate
2022 - 2023, 2021 - 2022	Test Development Techniques in Science Education, Postgraduate
2021 - 2022	Statistics Applications in Educational Research, Postgraduate
2022 - 2023, 2021 - 2022	Seminar, Postgraduate
2022 - 2023, 2021 - 2022	Seminar, Doctorate
2021 - 2022, 2020 - 2021	Developing Measurement Tool in Science Education, Doctorate
2022 - 2023, 2021 - 2022	Interdisciplinary Science Teaching, Undergraduate
2021 - 2022, 2020 - 2021	Scientific Reasoning Skills, Undergraduate
2020 - 2021	Science and Research Ethics, Undergraduate
2021-2022	Eğitimde Araştırma Yöntemleri, Undergraduate
2020 - 2021	TeachingPractice, Undergraduate
2020 - 2021	School experience, Undergraduate
2020 - 2021	MB-Teaching Practice I, Undergraduate

Supervised Theses

2017	İlhan N., Postgraduate, M.KİŞİN(Student), Investigation of teachers' and teacher candidates' science assessment beliefs and practices
2015	İlhan N., Postgraduate, Ö.ÇİÇEK(Student), The investigation of science teacher candidates' interest and self efficacy perception levels toward acid-base topic

Jury Memberships

December 2022	PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İnönü Üniversitesi
July 2022	Doctoral Examination, Doctoral Examination, İnönü Üniversitesi
June 2022	Post Graduate, Post Graduate, Muğla Sıtkı Koçman Üniversitesi
April 2022	Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi
April 2022	Post Graduate, Post Graduate, İnönü Üniversitesi
December 2021	Doctoral Examination, Doctoral Examination, Muğla Sıtkı Koçman Üniversitesi
November 2021	Post Graduate, Post Graduate, İnönü Üniversitesi
August 2021	Post Graduate, Post Graduate, İnönü Üniversitesi
May 2021	Post Graduate, Post Graduate, Atatürk Üniversitesi
March 2021	Post Graduate, Post Graduate, İnönü Üniversitesi
January 2021	Post Graduate, Post Graduate, Alanya Alaaddin Keykubat Üniversitesi
July 2017	Post Graduate, Post Graduate, Kilis 7 Aralık Üniversitesi
March 2016	Doctorate, Doctorate, Hatay Mustafa Kemal Üniversitesi
January 2016	Post Graduate, Post Graduate, Adıyaman Üniversitesi
June 2015	Post Graduate, Post Graduate, Kilis 7 Aralık Üniversitesi
June 2013	Post Graduate, Post Graduate, Kilis 7 Aralık Üniversitesi

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Measuring and evaluating the attitudes of secondary school students towards skill-based science questions**
İlhan N., Yurttaş B., Şan S.
INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, vol.47, pp.1-28, 2024 (SSCI)
- II. **Evaluating interest in acids-bases: development of an acid-base interest scale (ABIS) and assessment of pre-service science teachers' interest**
Cicek O., İlhan N.
CHEMISTRY EDUCATION RESEARCH AND PRACTICE, vol.18, no.4, pp.630-640, 2017 (SCI-Expanded)
- III. **Development of an Instructional Material for an Enriched Book Relating to "Interactions between Chemical Types" Unit in The Ninth Grade Chemistry Curriculum and Investigation Its Effects**
Hakkari F., Yeloglu T., Tuysuz C., İlhan N.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.42, no.192, pp.327-348, 2017 (SSCI)
- IV. **Using WebQuest and Wiki Activities in Chemistry Courses: Pre-Service Elementary Teachers' Views and their Motivation to Learn Chemistry**
Tepe T., İlhan N., Inceoğlu M. M.
CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE, vol.18, no.3, pp.899-933, 2016 (SSCI)
- V. **Turkish Science Teachers' Use of Educational Research and Resources**
İlhan N., Sözbilir M., Sekerci A. R., Yildirim A.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.11, no.6, pp.1231-1248, 2015 (SSCI)
- VI. **ATTITUDES OF PRE-SERVICE SCIENCE TEACHERS TOWARDS EDUCATIONAL RESEARCH AND THEIR SCIENCE TEACHING EFFICACY BELIEFS IN TURKEY**
İlhan N., Yılmaz Z. A., Dede H.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.14, no.2, pp.183-193, 2015 (SSCI)

Articles Published in Other Journals

- I. **Validity and reliability study of Turkish version of abbreviated science anxiety scale**
İlhan N., İkikat Ö.
BAYBURT EĞİTİM FAKÜLTESİ DERGİSİ, vol.19, no.41, pp.1616-1634, 2024 (Peer-Reviewed Journal)
- II. **Science teachers' self-efficacy perceptions on acid-base subject related to daily life in science course**
İlhan N., Çiçek Şentürk Ö.
Electronic Journal for Research in Science and Mathematics Education, vol.26, no.2, pp.77-90, 2022 (Peer-Reviewed Journal)
- III. **Scale of attitudes towards online formative assessment: Teacher ' attitudes during COVID-19 pandemic**
İlhan N., Güngör H., Gülseven E.
INTERNATIONAL JOURNAL OF EDUCATIONAL METHODOLOGY, vol.8, no.2, pp.241-257, 2022 (Peer-Reviewed Journal)
- IV. **Theoretical and conceptual framework for science course skill-based questions (next generation)**
Şan S., İlhan N.
İnönü Üniversitesi Eğitim Bilimleri Enstitüsü Dergisi, vol.9, no.17, pp.17-36, 2022 (Peer-Reviewed Journal)
- V. **Teachers' and pre-service teachers' levels of beliefs and practices about assessment in science courses**
Kışın M., İlhan N.
İnönü Üniversitesi Eğitim Fakültesi Dergisi, vol.23, no.1, pp.20-43, 2022 (Peer-Reviewed Journal)
- VI. **Effects of the context-based learning approach on the teaching of chemical changes unit**
Sadi Yılmaz S., Yıldırım A., İlhan N.
Journal of Turkish Science Education, vol.19, no.1, pp.218-236, 2022 (Scopus)

- VII. **The effect of research evidence-based teaching practices in science classrooms on student teachers' attitudes towards educational research**
İlhan N.
Journal of Science Learning, vol.4, no.4, pp.316-326, 2021 (Peer-Reviewed Journal)
- VIII. **Investigation of the self efficacy beliefs of pre service science teachers in terms of following and using the innovations in the field of education**
Dede H., Yılmaz Z. A., İlhan N.
Journal of Education and Training Studies, vol.5, no.2, pp.21-30, 2017 (Peer-Reviewed Journal)
- IX. **Developing of context based achievement test towards science: acids and bases**
İlhan N., Hoşgören G.
Fen Bilimleri Öğretimi Dergisi, vol.5, no.2, pp.87-110, 2017 (Peer-Reviewed Journal)
- X. **Science and technology teachers' attitudes towards educational research in Turkey**
Şekerci A. R., İlhan N., Sözbilir M., Yıldırım A.
Asia-Pacific Forum on Science Learning and Teaching, vol.18, no.1, pp.1-21, 2017 (Scopus)
- XI. **The Development of Acid-Base Self-Efficacy Perception Scale and the Investigation of Pre-Service Science Teachers' Self-Efficacy Perceptions on Acid-Base**
İlhan N., Çiçek Ö.
SAKARYA UNIVERSITY JOURNAL OF EDUCATION, vol.7, no.1, pp.123-141, 2017 (Peer-Reviewed Journal)
- XII. **The investigation of first grade students' knowledge, awareness and attitudes about recycling**
İlhan N., Doğan Y., Tosun C.
International Online Journal of Educational Sciences, vol.9, no.1, pp.174-190, 2017 (Peer-Reviewed Journal)
- XIII. **Investigation of Factors Affecting Students' Science Achievement According to Student Science Teachers**
Tatar E., Tuysuz C., Tosun C., İlhan N.
INTERNATIONAL JOURNAL OF INSTRUCTION, vol.9, no.2, pp.153-166, 2016 (ESCI)
- XIV. **Prospective teachers' views related to using writing to learn activities in "science and technology teaching" course**
Doğan Y., İlhan N.
Adıyaman Üniversitesi Eğitim Bilimleri Dergisi, vol.6, no.1, pp.1-22, 2016 (Peer-Reviewed Journal)
- XV. **The effect of context-based chemistry course on high school students' learning about chemical equilibrium, motivation to learn chemistry and constructivist learning environment**
İlhan N., Yıldırım A., Sadi Yılmaz S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE EDUCATION, vol.11, no.9, pp.3117-3137, 2016 (Scopus)
- XVI. **Kindergarten students' levels of understanding some science concepts and scientific inquiry processes according to demographic variables (the sampling of Kilis Province in Turkey)**
İlhan N., Tosun C.
COGENT EDUCATION, vol.3, 2016 (Peer-Reviewed Journal)
- XVII. **Preservice science teachers' context based teaching practices in "special teaching methods" course**
İlhan N., Doğan Y., Çiçek Ö.
Bartın Üniversitesi Eğitim Fakültesi Dergisi, vol.4, no.2, pp.666-681, 2015 (Peer-Reviewed Journal)
- XVIII. **Middle, high school and university students' predictors of science achievement**
Tosun C., İlhan N., Tatar E., Tuysüz C., Karakuyu Y.
Mehmet Akif Ersoy Üniversitesi Eğitim Fakültesi Dergisi, no.35, pp.29-45, 2015 (Peer-Reviewed Journal)
- XIX. **Developing a scale to determining factors affecting students' achievement in science**
Tatar E., Tosun C., Tuysüz C., İlhan N., Karakuyu Y.
Uşak Üniversitesi Sosyal Bilimler Dergisi, no.24, pp.319-340, 2015 (Peer-Reviewed Journal)
- XX. **Science teachers' level of following, understanding and using of educational researches: the example of erzurum and erzincan**
Yıldırım A., İlhan N., Şekerci A. R., Sözbilir M.
Gazi Üniversitesi Kastamonu Eğitim Dergisi, vol.1, no.22, pp.81-100, 2014 (Peer-Reviewed Journal)

- XXI. **The development of teachers attitude scale towards educational research: The validity and reliability study**
İlhan N., Şekerci A. R., Sözbilir M., Yıldırım A.
Bati Anadolu Eğitim Bilimleri Dergisi, vol.4, no.8, pp.31-56, 2013 (Peer-Reviewed Journal)
- XXII. **Chemistry motivation questionnaire: The study of validity and Reliability**
İlhan N., Sadi Yılmaz S., Yıldırım A.
Mustafa Kemal Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.9, no.18, pp.297-310, 2012 (Peer-Reviewed Journal)
- XXIII. **Students' interest to usage of organic chemistry in daily life**
İlhan N., Sadi S., Yıldırım A.
Erzincan University Education Faculty Journal, vol.1, no.13, pp.143-154, 2011 (Peer-Reviewed Journal)
- XXIV. **Candidate chemistry teachers' opinions about laboratory practice**
İlhan N., Sadi S., Yıldırım A., Bulut H.
Gazi Üniversitesi Kastamonu Eğitim Dergisi, vol.1, no.17, pp.153-160, 2009 (Peer-Reviewed Journal)
- XXV. **Correlation between chemistry pre-service teachers' learning style and academic achievement**
Tatar E., Tüysüz C., İlhan N.
Mustafa Kemal Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.5, no.10, pp.185-192, 2008 (Peer-Reviewed Journal)
- XXVI. **The opinions and experiences of secondary school students about units taught in chemistry course**
Yıldırım A., İlhan N.
Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi, vol.3, no.27, pp.211-219, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Context-Based Teaching Practices in Chemistry**
İlhan N., Sadi Yılmaz S., Dede H., Sözbilir M., Yıldırım A.
in: Teaching Chemistry: Examples of Good Practice for Teacher Educators, Teachers and Student Teachers (2nd Edition), Ali Paşa AYAS Mustafa SÖZBİLİR, Editor, Pegem A Yayıncılık, Ankara, pp.419-452, 2017
- II. **Kimyada yaşam (bağlam) temelli öğretim uygulamaları**
İLHAN N., SADİ YILMAZ S., DEDE H., SÖZBİLİR M., YILDIRIM A.
in: Kimya öğretimi Öğretmen eğitimcileri öğretmenler ve öğretmen adayları için iyi uygulama örnekleri, Alipaşa Ayas Mustafa Sözbilir, Editor, Pegem Akademi, Ankara, pp.213-246, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Fen eğitimi alanında yapay zekâ çalışmaları: İçerik analizi (2010-2024)**
Aşçı D., İLHAN N., KARAASLAN E. H.
16. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Edirne, Turkey, 4 - 07 September 2024
- II. **2024 Yılı fen bilimleri dersi öğretim programındaki becerilerin incelenmesi**
Yurttaş B., İLHAN N., Şan S.
16. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Edirne, Turkey, 4 October - 07 September 2024
- III. **Fen eğitiminde yapay zeka aracı olarak video**
Nazalı D., İLHAN N.
16. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Edirne, Turkey, 4 - 07 September 2024
- IV. **Fen bilimleri dersi öğretim programının öğrenme çıktıları ve beceriler açısından incelenmesi**
Şan S., İLHAN N., Yurttaş B.
16. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Edirne, Turkey, 4 - 07 September 2024
- V. **Adaptation of the abbreviated science anxiety scale to Turkish**
İlhan N., İkikat Ö.

15th Conference of the European Science Education Research Association, Nevşehir, Turkey, 28 August - 01 September 2023, pp.366-367

- VI. **Cognitive structures of science teachers on skill-based questions**
Şan S., İlhan N., Yurttaş B.
15th Conference of the European Science Education Research Association, Nevşehir, Turkey, 28 August - 01 September 2023, pp.367
- VII. **Attitude scale towards skill-based science questions**
Yurttaş B., İlhan N., Şan S.
15th Conference of the European Science Education Research Association, Nevşehir, Turkey, 28 August - 01 September 2023, pp.525-526
- VIII. **The acid-base interest of high school students**
ÇİÇEK Ö., İLHAN N.
12th Conference of the European Science Education Research Association (ESERA), Dublin, Ireland, 21 - 25 August 2017
- IX. **Determining of eighth grade students understanding of solution concept by using context based concept cartoons**
İLHAN N., KARAASLAN E. H.
International Conference on Education in Mathematics, Science Technology (ICEMST), Ephesus - Kusadasi, Turkey., Kuşadası/Aydın, Turkey, 18 - 21 May 2017, pp.31
- X. **Improvement the ability of preservice teachers' understanding and using of evidence-based information sources in science teaching**
İLHAN N.
International Conference on Education in Mathematics, Science Technology (ICEMST), Ephesus - Kusadasi, Turkey., Turkey, 18 - 21 May 2017, pp.52
- XI. **The effect of using of evidence-based information sources in science teaching on pre-service teachers attitude towards educational research**
İLHAN N.
International Conference on Research in Education and Science (ICRES), Ephesus - Kusadasi, Turkey, Ephesus - Kusadasi, Turkey, 18 - 21 May 2017, pp.118
- XII. **Evaluating of student science teachers' explanations about concept of solution from the perspective of scientific explanation**
KARAASLAN E. H., İLHAN N.
International Conference on Research in Education and Science (ICRES), Ephesus - Kusadasi, Turkey, Turkey, 18 - 21 May 2017, pp.46
- XIII. **Sekizinci sınıflar için asit baz konusuna yönelik yaşam temelli kavram başarı testi geliştirilmesi**
GAMZE H., İLHAN N.
12. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Trabzon, Turkey, 28 - 30 September 2016
- XIV. **The investigation of pre-service elementary science teachers' interest in acid-base**
ÇİÇEK Ö., İLHAN N.
European Conference on Research in Chemical Education, Barselona, Spain, 7 - 10 September 2016
- XV. **The investigation of pre-service teachers' self-efficacy perceptions on acid-base topic**
ÇİÇEK Ö., İLHAN N.
European Conference on Research in Chemical Education, 7 - 10 September 2016, pp.102
- XVI. **Topluma hizmet uygulamaları dersi kapsamında öğretmen adaylarının katı atık ve geri dönüşüme yönelik tutumlarının geliştirilmesi**
SARAÇ E., İLHAN N.
I. Ulusal Biyoloji Eğitimi Kongresi, Ankara, Turkey, 27 - 28 May 2016, pp.74-75
- XVII. **Fen bilimleri öğretmen adaylarının asit baz öz yeterlik algısının ölçülmesi**
ÇİÇEK Ö., İLHAN N.
IV Ulusal Kimya Eğitimi Kongresi, Balıkesir, Turkey, 07 September 2015, pp.94
- XVIII. **Fen derslerinde öğrenci başarısını etkileyen faktörler hakkında öğrenci görüşleri**

- TATAR E., TÜYSÜZ C., İLHAN N., TOSUN C.
XI. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Turkey, 11 - 14 September 2014, pp.557-558
- XIX. **Öğrencilerinin fen öğrenme motivasyonunu arttıran ve azaltan faktörler**
İLHAN N., ATAMAN S., YILDIRIM A.
XI. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Adana, Turkey, 11 - 14 September 2014, pp.651-652
- XX. **Fen bilimleri öğretmen adaylarının yaşam temelli öğretim uygulamaları Bir eylem araştırması**
İLHAN N., DOĞAN Y., ÇİÇEK Ö.
XI. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Adana, Turkey, 11 - 14 September 2014, pp.1136-1137
- XXI. **Kimyasal değişimler ünitesi çerçevesinde yaşam temelli öğrenme uygulama sürecinin incelenmesi**
SADI YILMAZ S., YILDIRIM A., İLHAN N.
III. Ulusal Kimya Eğitimi Kongresi, Trabzon, Turkey, 5 - 07 September 2013, pp.44
- XXII. **The eEffects of context based approach on students motivation at the training of chemical changes unit**
SADI YILMAZ S., YILDIRIM A., İLHAN N.
44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1700
- XXIII. **Webquest ve Wiki Uygulamalarıyla Tasarlanmış Ders İçeriklerinin Moodle Üzerinden Gerçekleştirilmesi**
TEPE T., İNCEOĞLU M. M., İLHAN N.
7th International Computer and Instructional Technology Symposium(7th ICITS), Erzurum, Turkey, 6 - 08 June 2013, pp.97-98
- XXIV. **The effect of context based approach on the learning of chemical equilibrium**
İLHAN N., YILDIRIM A.
22nd International Conference on Chemistry Education (ICCE) – 11th European Conference on Research In Chemical Education (ECRICE), Roma, Italy, 15 - 20 July 2012, pp.485
- XXV. **Öğretmen Adaylarının Epistemolojik İnançları İle Eğitim Araştırmalarına Karşı Tutumlarının İncelenmesi**
SUNGUR K., YILMAZ Z. A., KUTU H., İLHAN N.
X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Turkey, 27 - 30 June 2012, pp.143
- XXVI. **Fen ve Teknoloji Öğretmen Adaylarının eğitim Araştırmalarına Karşı Tutumları ve Öz Yeterliklerinin İncelenmesi**
İLHAN N., KUTU H., YILMAZ Z. A.
X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Niğde, Turkey, 27 - 30 June 2012, pp.537
- XXVII. **Fen ve Teknoloji Öğretmen Adaylarının Epistemolojik İnançları İle Fen Eğitimi Alanındaki Yeniliklere Ulaşmaları ve Kullanmaları Durumlarının İncelenmesi**
YILMAZ Z. A., İLHAN N., KUTU H.
X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Niğde, Turkey, 27 - 30 June 2012, pp.547
- XXVIII. **Kimya Eğitiminde Yaşam Temelli (context based) Öğretime İlişkin Öğrenci Görüşleri**
İLHAN N., YILDIRIM A., SADI YILMAZ S.
X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Niğde, Türkiye, Turkey, 27 - 30 June 2012, pp.301
- XXIX. **Fen ve Teknoloji Öğretmen Adaylarının Eğitim Araştırmalarını Takip Etme Durumlarının Öz Yeterlik İnançları Açısından İncelenmesi**
KUTU H., İLHAN N., YILMAZ Z. A.
X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Niğde, Turkey, 27 - 30 June 2012, pp.559
- XXX. **Kimya Motivasyon Anketi Geçerlik ve Güvenirlik Çalışması**
İLHAN N., YILDIRIM A., SADI YILMAZ S.
II. Ulusal Kimya Eğitimi Kongresi, Erzurum, Turkey, 5 - 08 July 2011, pp.61
- XXXI. **Eğitim Araştırmalarına Karşı Tutum Ölçeğinin Geliştirilmesi: Geçerlik ve Güvenirlik Çalışması**
İLHAN N., ŞEKERCİ A. R., SÖZBİLİR M., YILDIRIM A.
19. Ulusal Eğitim Bilimleri Kurultayı, Lefkoşa, Cyprus (Kktc), 16 - 18 September 2010, pp.261
- XXXII. **Kimya Derslerinde Atasözlerinin Kullanılmasına Yönelik Öğrencilerin Algıları**
SADI YILMAZ S., İLHAN N., YILDIRIM A., GÜNEŞ D.

- IX. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Turkey, 23 - 25 September 2010, pp.47
- XXXIII. **A Study on identification of science teacher level of following understanding and use of educational research**
İLHAN N., ŞEKERCİ A. R., YILDIRIM A., SÖZBİLİR M.
European Conference on Research In Chemical Education (ECRICE), 4 - 07 July 2010, pp.125
- XXXIV. **A comparison of context based and problem based learning**
İLHAN N., TOSUN C., YILDIRIM A., TAŞKESENLİGİL Y.
European Conference on Research In Chemical Education (ECRICE) Abstract Book, 6 - 09 July 2008, pp.56
- XXXV. **Student s interest in the usage of organic chemistry in daily life**
İLHAN N., SADİ YILMAZ S., CAN F., YILDIRIM A.
9th European Conference on Research In Chemical Education (ECRICE), İstanbul, Turkey, 6 - 09 July 2008, pp.136
- XXXVI. **Kimya öğretmenliği öğrencilerinin laboratuvar uygulamaları hakkındaki düşünceleri**
BULUT H., YILDIRIM A., İLHAN N., SADİ YILMAZ S.
XXI. Ulusal Kimya Kongresi, Turkey, 23 - 27 August 2007
- XXXVII. **Üniversite Kimya öğrencilerinin asitler ve bazlar hakkındaki bilgilerin günlük hayatla ilişkilendirme düzeyleri**
Yıldız V. G., YILDIRIM A., İLHAN N.
VII. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Ankara, Turkey, 7 - 09 September 2006
- XXXVIII. **Fen ve teknoloji öğretimi dersinde öğrenme amaçlı yazma aktivitesi olarak mektup yazma etkinliğinin incelenmesi**
DOĞAN Y., İLHAN N., ÖZDEN M.
III. Ulusal Kimya Eğitimi Kongresi, Turkey, 5 - 07 September 2013, pp.111

Supported Projects

2015 - 2017	Literacy Level of Science Teacher Candidates on Acid Base Knowledge, Interest, Self-Efficacy and Daily Life, Project Supported by Higher Education Institutions
2016 - 2016	Innovative Teaching Practices in Chemistry Teaching, TUBITAK Project
2013 - 2016	Investigation of Science and Technology Teacher Candidates' Scientific, Epistemological and Self-Efficacy Beliefs in Terms of Using and Following the Innovations in the Field of Education, Project Supported by Higher Education Institutions
2013 - 2016	Examining the Efficiency of Moodle Learning Management System in Teaching Chemistry Lesson, Project Supported by Higher Education Institutions
2013 - 2016	Investigation of Science and Technology Teacher Candidates' Attitudes towards Educational Research According to Various Variables, Project Supported by Higher Education Institutions
2010 - 2011	The Effects of Context-Based Teaching on the Learning of the Unit of Chemical Changes by First Year High School Students, Project Supported by Higher Education Institutions
2008 - 2010	The determination of science and technology teacher's levels of awareness and understanding of education research and the state of using research finding in the class practicing, TUBITAK Project

Memberships / Tasks in Scientific Organizations

2023 - Continues	European Science Education Research Association, Member
2010 - Continues	Turkish Science Education and Research Association, Member
2016 - 2017	Turkish Chemical Society, Member
2009 - 2011	European Science Education Research Association, Member

Scientific Refereeing

December 2022	Journal of Turkish Chemical Society Section C: Chemistry Education (JOTCSC), Other Indexed Journal
October 2022	Journal of Computer and Education Research, National Scientific Refreed Journal
September 2022	EDUCATION AND INFORMATION TECHNOLOGIES, Journal Indexed in SSCI
July 2022	journal of science learning, Other Indexed Journal
March 2021	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, Journal Indexed in SSCI
November 2020	İnönü Üniversitesi Eğitim Fakültesi Dergisi, National Scientific Refreed Journal
September 2020	EDUCATIONAL STUDIES, Journal Indexed in SSCI
March 2020	Fen Bilimleri Öğretimi Dergisi, National Scientific Refreed Journal
May 2019	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, Journal Indexed in SSCI
June 2017	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, Journal Indexed in SSCI
April 2017	26th International Conference on Educational Sciences, Conference Paper (Abstract)
March 2017	Journal of Turkish Science Education, Other Indexed Journal
September 2016	12. ULUSAL FEN BİLİMLERİ VE MATEMATİK EĞİTİMİ KONGRESİ, Conference Paper (Abstract)
March 2016	Bartın Üniversitesi Eğitim Fakültesi Dergisi, National Scientific Refreed Journal
September 2015	IV. Ulusal Kimya Eğitimi Kongresi, Conference Paper (Abstract)
September 2014	11. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Conference Paper (Abstract)
June 2014	Bartın Üniversitesi Eğitim Fakültesi Dergisi, National Scientific Refreed Journal
January 2014	CHEMISTRY EDUCATION RESEARCH AND PRACTICE, Journal Indexed in SSCI
September 2013	III. Ulusal Kimya Eğitimi Kongresi, Conference Paper (Abstract)
July 2011	II. Ulusal Kimya Eğitimi Kongresi, Conference Paper (Abstract)

Tasks In Event Organizations

18 Nisan 2018	İlhan N., 27 th International Conference on Educational Sciences, Scientific Congress, Antalya, Turkey
20 Nisan 2017	İlhan N., 26th International Conference on Educational Sciences, Scientific Congress, Antalya, Turkey
28 Eylül 2016	İlhan N., 12 th National Science and Mathematics Education Congress, Scientific Congress, Trabzon, Turkey
05 Eylül 2015	İlhan N., IV. National Chemistry Education Congress, Scientific Congress, Balıkesir, Turkey
11 Eylül 2014	İlhan N., 11th National Science and Mathematics Education Congress, Scientific Congress, Adana, Turkey
05 Eylül 2013	İlhan N., III. National Chemistry Education Congress, Scientific Congress, Trabzon, Turkey
05 Temmuz 2011	İlhan N., II. National Chemistry Education Congress, Scientific Congress, Erzurum, Turkey

Mobility Activity

2024 - 2024	Erasmus Programme, Lecturing, Universidad de Granada, Spain
2013 - 2013	Erasmus Programme, Lecturing, Accademia di Belle Arti-Foggia, Italy

Metrics

Publication: 72
Citation (WoS): 26
H-Index (WoS): 3

Congress and Symposium Activities

2024	16th National Science and Mathematics Education Congress, Attendee, Edirne, Turkey
2023	15th Conference of the European Science Education Research Association (ESERA), Attendee, Nevşehir, Turkey
2017	International Conference on Education in Mathematics, Science Technology (ICEMST), , Attendee, Aydın, Turkey
2017	International Conference on Research in Education and Science (ICRES), Attendee, Aydın, Turkey
2016	12. National Science and Mathematics Education Congress, Attendee, Trabzon, Turkey
2016	I. National Biology Education Congress, Attendee, Ankara, Turkey
2015	IV. National Chemistry Education Congress, Attendee, Balıkesir, Turkey
2014	XI. National Science and Mathematics Education Congress, Attendee, Adana, Turkey
2013	III. National Chemistry Education Congress, Attendee, Trabzon, Turkey
2013	7th International Computer and Instructional Technology Symposium(7th ICITS), Attendee, Erzurum, Turkey
2012	22nd International Conference on Chemistry Education (ICCE) – 11th European Conference on Research In Chemical Education (ECRICE), Attendee, Rome, Italy
2012	X. National Science and Mathematics Education Congress, Attendee, Niğde, Turkey
2011	II. National Chemistry Education Congress, Attendee, Erzurum, Turkey
2010	IX. National Science and Mathematics Education Congress, Attendee, İzmir, Turkey
2010	19. National Educational Sciences Congress, Attendee, Lefkoşa, Cyprus (Kkct)
2010	10 th European Conference on Research In Chemical Education (ECRICE), Attendee, Krakow, Poland
2008	9th European Conference on Research In Chemical Education (ECRICE) , Attendee, İstanbul, Turkey
2007	XXI. National Chemistry Congress, Attendee, Malatya, Turkey
2006	VII. National Science and Mathematics Education Congress, Attendee, Ankara, Turkey

Invited Talks

November 2023	What is STEM education? Where Did These Skill-Based New Generation Questions Come From?, Conference, TÜBİTAK Science Talks, Turkey
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Awards

February 2018	TÜBİTAK Türkiye Addressed International Scientific Publications Incentive , Tübitak
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