

## Assoc. Prof. TUĞBA YÜKSEL

### Personal Information

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### International Researcher IDs

ScholarID: KtqIM1dv1U4C

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Publons / Web Of Science ResearcherID: AAZ-3880-2020

ScopusID: 57090434900

Yoksis Researcher ID: 278988

### Education Information

Doctorate, Purdue University, College of Education, Science Education / Physics Education , United States Of America  
2011 - 2017

Postgraduate, Purdue University, College of Education, Science Education / Physics Education, United States Of America  
2009 - 2011

Undergraduate, Hacettepe University, Ofma, Fizik Eğitimi, Turkey 2001 - 2007

Masters (Non-Thesis), Hacettepe University, Eğitim Fakültesi, Ofma- Fizik Öğretmenliği, Turkey 2001 - 2007

### Foreign Languages

German, B1 Intermediate

English, C1 Advanced

### Dissertations

Doctorate, UNDERGRADUATE STUDENTS' UNDERSTANDING OF CONCEPTS FOUNDATIONAL TO THE LEARNING OF QUANTUM MECHANICS (QM) VIA MODELS-BASED INQUIRY, Purdue University, College Of Education, Fizik Eğitimi / Bilim Eğitimi, 2017

Postgraduate, TURKISH EIGHTH GRADE STUDENTS' MENTAL MODEL REPRESENTATIONS ABOUT THE NATURE OF MAGNETS AND MAGNETIC INTERACTIONS, Purdue University, College Of Education, Fizik Eğitimi / Bilim Eğitimi, 2011

### Research Areas

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

### Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2021 - Continues  
Lecturer PhD, Recep Tayyip Erdogan University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2018 - 2021  
Research Assistant, Purdue University, Polytechnic Institute, Computer and Information Technology, 2013 - 2017  
Research Assistant, Purdue University, College of Education, Educational Studies, 2011 - 2013

## Academic and Administrative Experience

Deputy Head of Department, Recep Tayyip Erdogan University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2022 - Continues

## Courses

Işık ve Optik, Undergraduate, 2020 - 2021  
Fen Öğretim Programları, Undergraduate, 2020 - 2021  
Fizikte Özel Konular, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019  
Fizik I, Undergraduate, 2021 - 2022  
Special Teaching Methods, Undergraduate, 2021 - 2022  
Öğretmenlik Uygulaması I, Undergraduate, 2021 - 2022  
Okul Dışı Öğrenme Ortamları, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Modern Fiziğe Giriş I, Undergraduate, 2020 - 2021, 2019 - 2020  
Out of School Environments, Undergraduate, 2021 - 2022, 2019 - 2020  
Genel Fizik Laboratuvarı I, Undergraduate, 2021 - 2022, 2018 - 2019  
Genel Fizik Laboratuvarı II, Undergraduate, 2019 - 2020, 2018 - 2019  
Okul Deneyimi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Field Experience , Undergraduate, 2019 - 2020  
Özel Öğretim Yöntemleri I, Undergraduate, 2019 - 2020  
Öğretmenlik Uygulaması, Undergraduate, 2018 - 2019  
Fizik I, Undergraduate, 2019 - 2020, 2018 - 2019  
Fizik-2, Undergraduate, 2018 - 2019  
Fen – Teknoloji Programı ve Planlama , Undergraduate, 2017 - 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Undergraduate Students' Models of Single- and Multi-electron Atoms**  
Yüksel T., Bryan L. A., Magana A. J.  
INTERNATIONAL JOURNAL OF SCIENCE EDUCATION, vol.1, no.1, pp.1-24, 2024 (SSCI)
- II. **Developing and Using Physical Dynamic Models On Socioscientific Issues to Present Nature Of Science Ideas**  
Avşar Erümit B., Yüksel T.  
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.21, pp.1031-1056, 2023 (SSCI)
- III. **A learner-centered approach for designing visuohaptic simulations for conceptual understanding of truss structures**  
Walsh Y., Magana A. J., Will H., Yüksel T., Bryan L. A., Berger E., Berger B.  
Computer Applications In Engineering Education, vol.29, no.6, pp.1567-1588, 2021 (SCI-Expanded)
- IV. **Visuohaptic experiments: Exploring the effects of visual and haptic feedback on students' learning of friction concepts**

Yüksel T., Walsh Y., Magana A. J., Nova N., Krs V., Ngambeki I., Berger E. J., Benes B.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.27, no.6, pp.1376-1401, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fen Bilimleri Dersi Öğretim Programının Öğretmen Görüşlerine Göre SWOT Analizi**  
Tekbıyık A., Avşar Erümit B., Yüksel T.  
Çukurova Üniversitesi Eğitim Fakültesi Dergisi, vol.53, no.2, pp.681-717, 2024 (ESCI)
- II. **Interdisciplinary Teaching: Solving Real-Life Physics Problems through Mathematical Modelling**  
Baran Bulut D., Yüksel T.  
The Electronic Journal for Research in Science & Mathematics Education, vol.27, no.4, pp.118-140, 2024 (Peer-Reviewed Journal)
- III. **Students' Models of Magnetic Interactions: A Comparative Analysis of Accurate and Inaccurate Models over a Ten-Year Interval**  
Yüksel T., Bryan L. A.  
Science Insights Education Frontiers, vol.18, no.1, pp.2785-2824, 2023 (Peer-Reviewed Journal)
- IV. **Abrupt Shift or Caught Off Guard: A Systematic Review of K-12 Engineering and STEM Education's Response to the COVID-19 Pandemic**  
Delen İ., Yüksel T.  
Journal of Pre-College Engineering Education Research (J-PEER), vol.12, no.2, pp.108-120, 2023 (Scopus)
- V. **Understanding trends in engineering design and design-based learning studies with a bibliometric approach**  
Delen İ., Yüksel T.  
EUROPEAN JOURNAL OF ENGINEERING EDUCATION, vol.47, no.6, pp.1380-1398, 2022 (ESCI)
- VI. **Examining the Views of Preservice Teachers about Online Science Education during the Covid-19 Lockdown: Expectations, Opportunities, Threats, Motivations, and Beliefs**  
Avşar Erümit B., Tanış Özçelik A., Yüksel T., Tekbıyık A.  
KURAM VE UYGULAMADA EĞİTİM BİLİMLERİ / EDUCATIONAL SCIENCES: THEORY & PRACTICE, vol.18, pp.1-25, 2021 (Scopus)
- VII. **Identifying the Expectations of Three Stakeholders of the Field Experience Course via Expectancy Violation Theory**  
Yüksel T., Avşar Erümit B.  
HACETTEPE UNIVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.36, no.3, pp.712-741, 2021 (ESCI)
- VIII. **Exploring continuity equation via a modeling activity: in the context of crowd science**  
Yüksel T., Tekbıyık A., Avşar Erümit B.  
SCIENCE ACTIVITIES-PROJECTS AND CURRICULUM IDEAS IN STEM CLASSROOMS, vol.57, no.2, pp.67-76, 2020 (ESCI)
- IX. **In-Service and Pre-Service Teachers' Views about STEM Integration and Robotics Applications**  
Yüksel T., Delen İ., İlhan Sen A.  
EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, no.90, pp.243-268, 2020 (ESCI)

## Books

- I. **Enhancing Preservice Teachers' Understanding of the Nature of Science through Place-Based Socioscientific Issue Instruction: The Sea-Filled Airport Case**  
Avşar Erümit B., Yüksel T.  
in: Socioscientific Issues Focused Teacher Education: Place-Based Practices from Türkiye, B. Namdar ve E. Karahan, Editor, Springer Nature, Zug, pp.133-151, 2024

- II. FEN VE MÜHENDİSLİK UYGULAMALARI**  
Yüksel T., Canbazoglu Bilici S.  
in: Fen okuryazarlığı , Salih Ateş, Editor, Pegem A Yayıncılık, Ankara, pp.42-63, 2023
- III. Physics Education Research and the Development of Active Learning Strategies in Introductory Physics**  
Sokoloff D. R., Yüksel T.  
in: The International Handbook of Physics Education Research: Learning Physics, Mehmet Fatih Taşar, Paula R. L. Heron, Editor, AIP (American Institute of Physics) Press , New York, pp.1-26, 2023
- IV. Sosyobilimsel Konular ve Model Temelli Öğretim**  
Yüksel T., Avşar Erümit B.  
in: Çağdaş Yaklaşımlarla Etkinlik Destekli Sosyobilimsel Konuların Öğretimi, Doç. Dr. Bahadır NAMDAR, Editor, Nobel Yayınevi, Ankara, pp.119-139, 2022
- V. Dijital Çağın Gereği Olan Bilgi-İşlemsel Düşünme (BİD) becerilerinin STEM Sınıflarında Uygulamaları**  
Yüksel T.  
in: STEM Eğitimi Yaklaşımı, Murat Akarsu; Nilüfer Okur Akçay; Rıdvan Elmas, Editor, Pegem A. Yayıncılık, Ankara, pp.231-246, 2022
- VI. OKUL DIŞI ÖĞRENMEDE MEDYA KULLANIMI**  
OKTAY Ö., YÜKSEL T., DELEN İ., ŞEN A. İ.  
in: Öğretmen Yetiştirme Programları İçin Okul Dışı Öğrenme Modülleri Öğretim Materyalleri ve Örnek Etkinliklerle Zenginleştirilmiş, Ahmet İlhan Şen, Editor, Pegem Akademi, Ankara, pp.44-67, 2022
- VII. Argümantasyon İle Modelleme ve Fen Öğretimindeki Örnekleri**  
Namdar B., Yüksel T.  
in: Fen Öğretiminde Model ve Modelleme, Prof. Dr. Hakan Şevki AYYACI, Editor, Pegem A Yayıncılık, Ankara, pp.103-123, 2021
- VIII. Online STEM Education with Web-Based Tools**  
Yüksel T., Avşar Erümit B.  
in: Fen Bilimleri Öğretimi ve STEM Etkinlikleri (Güncel Öğretim Programlarıyla Uyumlu, PISA-TIMSS Soru Örnekleriyle İlişkilendirilmiş), Ahmet Tekbiyık, Gültekin Çakmakçı, Editor, Nobel Yayınevi, Ankara, pp.283-312, 2021
- IX. Adaptation to online science teaching: Experiences of Turkish middle school science teachers.**  
Avşar Erümit B., Yüksel T., Tanış Özçelik A., Tekbiyık A.  
in: Science Education during the COVID-19 Pandemic: Tales from the Front Lines, Valarie L. Akerson, Ingrid S. Carter, Editor, The International Society for Technology, Education and Science (ISTES), Colorado, pp.35-62, 2021
- X. Out-of-school learning in Turkey**  
Yüksel T., Delen İ.  
in: Out-of-School Learning in European Countries, A. İ. Şen, Editor, E-Book, Ankara, pp.24-46, 2021
- XI. Overview of Out-of-School Learning in Teacher Education Literature**  
Şen A. İ., Delen İ., Oktay Ö., Yüksel T., Lindner M., Bilek M., Skoršepa M., Milanović V., Rusek M., Kmet'ová J.  
in: Out-of-School Learning in European Countries, A. İ. Şen, Editor, E-Book, Ankara, pp.1-21, 2021
- XII. X-Işınları Teknolojisi**  
YÜKSEL T., ŞEN A. İ.  
in: Bilimin Teknolojideki Uygulamaları, Hakan Şevki Ayyacı, Salih Çepni, Editor, Pegem Akademi Kitabevi Yayınları, Ankara, pp.74-87, 2020
- XIII. Ses**  
TEKBİYİK A., YÜKSEL T.  
in: Fen Öğretiminde Kavram Yanılgıları: Tespiti ve Giderilmesi, Canan Laçın Şimşek, Editor, Pegem Akademi Kitabevi Yayınları, Ankara, pp.295-328, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. Using Virtual Platforms as Out of School Environment: Examine the shift in student teachers'

## **perspectives**

Yüksel T.

National Association for Research in Science Teaching, Illinois, United States Of America, 18 - 21 April 2023, pp.1-5

- II. **Teacher Educators' Views About Out-of-School Learning: An International Perspective.**  
ŞEN A. İ., YÜKSEL T., DELEN İ., OKTAY Ö., Skoršepa M., Kmeťová J., Bilek M., Rusek M., Milanović V., Woithe F., et al.  
European Science Education Research Association (ESERA), Braga, Portugal, 01 September 2021
- III. **Using Expectation Violation Theory to Determine the Three Stakeholders' Expectations from the Teaching Experience Course based on Clinical Supervision Model**  
Yüksel T., Avşar Erümit B.  
National Association for Research in Science Teaching, Oregon, United States Of America, 15 - 18 March 2020, pp.1
- IV. **Öğretmen Adaylarının Biyoloji Tabanlı Sosyo-Bilimsel Konularla İlgili Görüşlerini Bilimin Doğası Boyutlarıyla Birleştirerek Modellemesi**  
AVŞAR ERÜMİT B., YÜKSEL T.  
3. Ulusal Biyoloji Eğitimi Kongresi UBK, Turkey, 21 - 22 December 2019
- V. **Öğretmen Adaylarının Günlük Yaşantıları Okul Dışı Öğrenme Ortamı Olarak Kullanmaları**  
YÜKSEL T., Delen İ.  
I. Uluslararası İnfomal Öğrenme Kongresi, Nevşehir, Turkey, 1 - 03 November 2019, pp.1
- VI. **USING MODELING PERSPECTIVE TO SOLVE REAL-LIFE PHYSICS PROBLEMS VIA MATHEMATICAL MODELING**  
YÜKSEL T., BARAN BULUT D.  
European Science Education Research Association, Bologna, Italy, 26 - 30 August 2019, pp.1
- VII. **Using Modelling Perspective to Solve Real-Life Physics Problems via Mathematical Modelling**  
YÜKSEL T., BARAN BULUT D.  
European Science Education Research Association (ESERA), 26 - 30 August 2019
- VIII. **YENİDEN YAPILANDIRILAN ÖĞRETMENLİK UYGULAMASI DERSLERİNİN ÖĞRETMEN ADAYLARI TARAFINDAN DEĞERLENDİRİLMESİ**  
YÜKSEL T., AVŞAR ERÜMİT B.  
The Twelfth International Congress of Educational Research, Rize, Turkey, 25 - 28 April 2019, pp.275
- IX. **SON YILLARDA ÜNİVERSİTEYE GİRİŞ SINAVINDA EN ÇOK TERCİH EDİLEN STEM BÖLÜMLERİNİN ANALİZİ**  
Mestan F., YÜKSEL T.  
The Twelfth International Congress of Educational Research, Rize, Turkey, 25 - 28 April 2019, pp.195
- X. **Yeniden Yapılandırılan Öğretmenlik Uygulaması Derslerinin Öğretmen Adayları Tarafından Değerlendirilmesi**  
YÜKSEL T., AVŞAR ERÜMİT B.  
XII. Uluslararası Eğitim Araştırmaları Kongresi, 25 - 28 April 2019
- XI. **Öğretmen Adaylarının STEM Eğitimi Çeşitli Fen konularına Uygulama Çalışmaları ve Değerlendirme Yöntemleri**  
YÜKSEL T.  
13. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Denizli, Turkey, 5 - 07 October 2018, pp.1
- XII. **What STEM and robotics mean for teachers?**  
YÜKSEL T., Delen İ.  
27. Uluslararası Eğitim Bilimleri Kongresi ICES / UEBK, Antalya, Turkey, 18 - 20 April 2018, pp.1
- XIII. **Students' Models about Quantization and Atomic Spectra Before and After Engaging with Model-Based Inquiry**  
YÜKSEL T., Bryan L. A.  
the National Association for Research in Science Teaching, Atlanta, United States Of America, 10 - 13 March 2018, pp.1
- XIV. **Model-based inquiry vs. Traditional computer simulation-based instruction: Which can better help students construct the quantum-mechanical model of an atom?**  
Yüksel T., Rebello S. N., Bryan L. A.

Physics Education Research Conference, Ohio, United States Of America, 26 - 27 July 2017, pp.456-459

- XV. **Identifying Affordances of Physical Manipulative Tools for the Design of Visuo-haptic Simulations**  
Walsh Y., Magana A. J., Yüksel T., Krs V., Ngambeki I. B., Berger E. J., Benes B.  
American Society for Engineering Education (ASEE), Ohio, United States Of America, 24 - 28 June 2017, pp.1-21
- XVI. **Monitoring students' atomic model change via model-based inquiry.**  
YÜKSEL T., Bryan L. A.  
the National Association for Research in Science Teaching, San Antonio, Tx, United States Of America, 22 - 25 April 2017, pp.1
- XVII. **Exploration of Affordances of Visuo-Haptic Simulations to Learn the Concept of Friction**  
Yüksel T., Walsh Y., Krs V., Benes B., Ngambeki I. B., Berger E. J., Magana A. J.  
IEEE Frontiers in Education Conference (FIE), Indiana, United States Of America, 18 - 21 October 2017
- XVIII. **Investigating Students Understanding Early Atom Model via Model-Based Inquiry**  
YÜKSEL T., Bryan L.  
Modeling and Model-Based Reasoning in STEM Conference, West Lafayette, In, United States Of America, 26 - 27 August 2016, pp.1
- XIX. **Investigating students' understanding early atomic models via model-based inquiry.**  
YÜKSEL T., Bryan L. A.  
the American Association of Physics Teachers, Sacramento, Ca, United States Of America, 28 - 30 July 2016, pp.1
- XX. **Undergraduate students' understandings of concepts foundational to the learning of quantum mechanics (QM) via models-based inquiry.**  
YÜKSEL T.  
the Physics Education Research Seminar, West Lafayette, In, United States Of America, 15 April 2016, pp.1
- XXI. **Evaluation of SMASH\*: Modern Physics App.**  
YÜKSEL T., Lindell R.  
the American Association of Physics Teachers, New Orleans, La, United States Of America, 22 - 24 January 2016, pp.1
- XXII. **SMASH\*: Modern Physics - Developing Questions**  
May B., Thompson P., Walker B., Yannell M., YÜKSEL T.  
the American Association of Physics Teachers, New Orleans, La, United States Of America, 22 - 24 January 2016, pp.1
- XXIII. **Undergraduate students' understandings of concepts foundational to the learning of quantum mechanics.**  
YÜKSEL T., Bryan L. A.  
the biannual international meeting of the European Science Education Research Association, Helsinki, Finland, 4 - 07 September 2015, pp.1
- XXIV. **Learning difficulties and teaching strategies in quantum mechanics: A synthesize of current literature.**  
YÜKSEL T., Bryan L. A.  
the American Association of Physics Teachers, College Park, Md, United States Of America, 24 - 26 July 2015, pp.1
- XXV. **Engineering and Physics Students' Perceptions About Learning Quantum Mechanics via Computer Simulations**  
Gong Y., YÜKSEL T., Alejandra M., Bryan L. A.  
ASEE Annual Conference Exposition, Seattle, WA, United States Of America, 14 - 17 June 2015, pp.266141-2661413
- XXVI. **<https://peer.asee.org/engineering-and-physics-students-perceptions-about-learning-quantum-mechanics-via-computer-simulations>**  
Gong Y., YÜKSEL T., Magana A., Bryan L. A.  
ASEE Annual Conference & Exposition, Seattle, Wa, United States Of America, 14 - 17 June 2015
- XXVII. **Modeling in the Primary Grades (MPG): Examining second graders' emerging particulate models of matter in the context of learning through model-based inquiry.**  
Samarapungavan A., Bryan L. A., Wills J., YÜKSEL T.  
the American Educational Research Association, Chicago, Il, United States Of America, 15 - 21 April 2015, pp.1-30

- XXVIII. **What do engineering and physics students know about basic quantum concepts?**  
YÜKSEL T., Gong Y., Magana A., Bryan L. A.  
the annual Graduate Student Educational Research Symposium, West Lafayette, In, United States Of America, 14 - 15 March 2015, pp.1
- XXIX. **Teachers' Experiences of Nanoscale Phenomena through the Sense of Touch: An Exploratory Study of the Use of an AFM Visuohaptic Simulation**  
YÜKSEL T., Gong Y., Magana A.  
the Physics Education Research Conference, Minneapolis, Ma, United States Of America, 30 July 2014 - 31 July 2014, pp.1
- XXX. **Students' understanding of magnetism-related representations through the sense of touch**  
YÜKSEL T., Gong Y., Magana A.  
the Physics Education Research Conference, Minneapolis, Ma, United States Of America, 30 - 31 July 2014, pp.1
- XXXI. **Basic quantum mechanics concepts from the eyes of engineering and physics students.**  
YÜKSEL T., Gong Y., Magana A., Bryan L. A.  
the American Association of Physics Teachers, Minneapolis, Ma, United States Of America, 25 - 27 July 2014, pp.1
- XXXII. **Physics and engineering students' initial conceptual understanding on basic quantum mechanics concepts**  
YÜKSEL T.  
the Physics Education Research Seminar, West Lafayette, In, United States Of America, 18 April 2014, pp.1
- XXXIII. **Examining the consistency in eight grade students' mental model representations about magnetic interactions**  
YÜKSEL T., Bryan L. A.  
the National Association for Research in Science Teaching, San Juan, Puerto Rico, 6 - 09 April 2013, pp.1
- XXXIV. **The Next Generation Science Standards: To what extent are modern physics concepts included?**  
YÜKSEL T., Bryan L. A.  
the American Association of Physics Teachers, New Orleans, La, United States Of America, 25 - 28 January 2013, pp.1
- XXXV. **Design fixation and cooperative learning strategies in elementary engineering education.**  
Boots N., Tafur M., Kim W., Carr R. L., Luo Y., Sun Y., YÜKSEL T., Weber N. R., Dyehouse M., Strobel J.  
the American Educational Research Association, Vancouver, British Columbia, Canada, 13 - 17 April 2012, pp.1
- XXXVI. **Eight grade Turkish students' mental models about magnetism and magnetic interactions**  
YÜKSEL T., Bryan L. A.  
the 6th Annual Graduate Student Educational Research Symposium, West Lafayette, In, United States Of America, 9 - 10 March 2012, pp.1

## Supported Projects

- Şen A. İ., Yüksel T., Oktay Ö., Laçın Şimşek C., Ekinci S., TUBITAK Project, Bilim Merkezi Rehberlerinin Mesleki Gelişimlerine Yönelik Yeni Bir Eğitim Modelinin Geliştirilmesi: Planlama, Uygulama ve Değerlendirme (BiMRmE), 2024 - 2027
- Yüksel T., Delen İ., Namdar B., İnce G., TUBITAK Project, Tubitak 3501- 122K731-Ortaokul Öğrencilerinin Kavramsal Anlama Düzeylerinin, Uzamsal Düşünme ve Modelleme Becerilerinin Desteklenmesi için Artırılmış Gerçeklik Destekli Modelleme (ArMo) Uygulamasının ve Eğitim Modülünün Geliştirilmesi, 2023 - 2025
- Aytar A., Demirel İ. N., Yüksel T., İslamoğlu H., Yılmaz Tüzün Ö., Köseoğlu P., Baki Pala Ç., Ursavaş N., TUBITAK Project, Lisansüstü Öğrenimlerine Devam Eden Öğretmenler Araştırma Projelerine Danışmanlık Yapıyor-III', 2024 - 2024
- Kartal A., Birinci Konur K., Yüksel T., Tekbıyık A., Şeyihoğlu A., Sezen Vekli G., TUBITAK Project, Afet Eğitiminde Yenilikçi Bir Yaklaşım: Disiplinlerarası Afet Eğitimi (DAFET-III), 2024 - 2024
- Aytar A., Demirel İ. N., Yüksel T., Baki Pala Ç., İslamoğlu H., Şenel Çoruhlu T., Ursavaş N., Yılmaz Tüzün Ö., Köseoğlu P., Er Nas S., TUBITAK Project, Lisansüstü Öğrenimlerine Devam Eden Öğretmenler Araştırma Projelerine Danışmanlık Yapıyor', 2023 - 2023
- Yüksel T., Elmas R., Adıgüzel Ulutaş M., Uzel N., TUBITAK Project, Çocuklar Elazığ'da Bilimle Buluşuyor, 2023 - 2023

Birinci Konur K., Şeyihoğlu A., Tekbıyık A., Sezen Vekli G., Yüksel T., Avşar Erümit B., TUBITAK Project, Yenilikçi Eğitim Uygulamaları Destekleme Programı TUBİTAK 4005-122B297-Afet Eğitiminde Yenilikçi Bir Yaklaşım: Disiplinlerarası Afet Eğitimi (DAFET)-II , 2022 - 2023

Yüksel T., Şen A. İ., Delen İ., Oktay Ö., EU Supported Other Project, KA-203 AB Projesi- Developing an Out-of-School Learning Curriculum for Teacher Education Programs, 2019 - 2023

Aytar A., Yılmaz Tüzün Ö., Köseoğlu P., Er Nas S., Şenel Çoruhlu T., Ursavaş N., Demirel İ. N., Yüksel T., İslamoğlu H., Baki Pala Ç., TUBITAK Project, Lise Öğrencileri Danışmanları İle Birlikte Araştırma Projesi Yazıyor, 2022 - 2022

Yüksel T., Bebek G., TUBITAK Project, Öğretmen Yaratıcı Modeller Tasarlıyor – IV, 2022 - 2022

YÜKSEL T., AVŞAR ERÜMİT B., AYDIN B., Project Supported by Higher Education Institutions, Beklentinin İhlali Teorisi Kullanılarak Klinik Danışmanlık Modeline Göre Yürütülen Öğretmenlik Uygulaması Dersinin Başarısının Değerlendirilmesi İçin Yeni Bir Ölçek Geliştirilmesi, 2019 - 2022

Baran Bulut D., Turgut Y. E., Şengil Akar Ş., Aygün B., Avşar Erümit B., Camadan F., Kaya C., Yüksel T., Şentürk M. L., Aytar A., et al., TUBITAK Project, TÜBİTAK 4004-121B463 Hayatı Modelleyen Öğretmenler: Matematiksel Modelleme Eğitimi-II, 2021 - 2021

Oğuz Namdar A., Yüksel T., Şen A. İ., Oktay Ö., TUBITAK Project, Sınıf Öğretmeni Adayları için Okul Dışı Ortamlarda Fen Öğretimi, 2021 - 2021

Tekbıyık A., Birinci Konur K., Yarar Kaptan S., Beldağ A., Deniz Ü., Yüksel T., Uzun N., Altun E., TUBITAK Project, Fen-Sosyal-Matematik Entegrasyonu ile Disiplinlerarası Tematik Öğretim Uygulamaları, 2018 - 2019

Yüksel T., Samarapungavan A., Bryan L., Other International Funding Programs, Sensing Science through Modeling Matter, 2017 - 2018

Yüksel T., Magana A., Other International Funding Programs, Haptic-Based Learning Experiences as Cognitive Mediators for Conceptual Understanding and Representational Fluency in Engineering Education, 2016 - 2017

Yüksel T., Magana A., Other International Funding Programs, Quantum LEAP, 2013 - 2016

Yüksel T., Reifengerger R., Other International Funding Programs, SMASH Physics Mobil App, 2015 - 2015

YÜKSEL T., Other International Funding Programs, Modeling in Primary Grades (MPG): Science Learning through Content-rich Inquiry, 2012 - 2014

Yüksel T., Samarapungavan A., Bryan L., Other International Funding Programs, Modeling in Primary Grades, 2012 - 2014

YÜKSEL T., Other International Funding Programs, I-STEM Resource Network, 2011 - 2012

## Student Project

R & D Project, Sistematik tasarlanmış okul dışı ortamlar (STODO) ve okullar arası işbirliği düzeyinin mercek altına alınması: Öğretmen ve STODO yetkililerinin beklentileri ve önerileri, Recep Tayyip Erdogan University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Turkey, 2022 - Continues

Other, STEM Kariyerlerine Yönelim Neden Azaldı?: Ortaokul ve Lise Son Sınıf Öğrencilerinin STEM Kariyer İlgilerinin İncelenmesi, Recep Tayyip Erdogan University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Turkey, 2022 - 2022

## Memberships / Tasks in Scientific Organizations

National Association of Research in Science Teaching (NARST) , Membership Committee, Member, 2021 - Continues, United States Of America

European Science Education Research Association, Member, 2014 - Continues

National Association for Research in Science Teaching (NARST), Member, 2011 - Continues

## Scientific Refereeing



SCHOOL SCIENCE AND MATHEMATICS JOURNAL FOR ALL SCIENCE AND MATHEMATICS TEACHERS, Journal Indexed in ESCI, September 2023

EUROPEAN JOURNAL OF ENGINEERING EDUCATION, Journal Indexed in ESCI, July 2023

EDUCATION SCIENCES, Journal Indexed in ESCI, June 2023

SCIENCE ACTIVITIES-PROJECTS AND CURRICULUM IDEAS IN STEM CLASSROOMS, Journal Indexed in ESCI, September 2021

Hacettepe Üniversitesi Eğitim Dergisi, National Scientific Refreed Journal, November 2019

Hacettepe Üniversitesi Eğitim Dergisi, National Scientific Refreed Journal, April 2019

SDU International Journal of Educational Studies, National Scientific Refreed Journal, March 2019

Computer Applications in Engineering Education, SCI Journal, October 2017

## **Scientific Research / Working Group Memberships**

Cyberlearning Consortium, Purdue University, United States Of America, <https://polytechnic.purdue.edu/cyberlearning-consortium>, 2017 - Continues

ROCKETED (Research on Computing in Engineering and Technology Education at Purdue University, Purdue University, United States Of America, <https://polytechnic.purdue.edu/rocketed>, 2014 - 2017

## **Metrics**

Publication: 63

Citation (WoS): 11

Citation (Scopus): 32

H-Index (WoS): 1

H-Index (Scopus): 4

## **Scholarships**

Dean's Doctoral Scholarship, University, 2016 - 2017

Yurtdışında Lisansüstü Eğitim Bursu, Ministry of Education, 2008 - 2017

## **Awards**

YÜKSEL T., The Jane and Michael Wilson Doctoral Award in Science Education, College of Education, Purdue University, May 2013

YÜKSEL T., Certificate of Appreciation, Turkish Educational Consulate, August 2010