

Assoc. Prof. Dr. Mehmet Başaran

e-mail1: mehmetbasaran@gaziantep.edu.tr, e-mail2: mehmetbasaran@outlook.com

Webpages: <https://tinyurl.com/drmehmetbasaran>

Research Focus

- Σ STEM Education, program development, teacher education, international schools.

Education Background

- Σ University of Minnesota, Postdoc [2025]. STEM Education Center Learning and Environmental Sciences. Chair: Prof. Dr. Gillian Roehrig
- Σ Gaziantep University. Ph.D. [2018]. Curriculum & Instruction. Dissertation: *The Applicability of STEM Approach in Preschool Education [Action Research]*. Chair: Prof. Dr. Erdal Bay.
- Σ Bilkent University. M.S. [2013]. Curriculum & Instruction with Teaching Certificate. Thesis: *A Survey of Mathematical Knowledge and Skills Needed in Electrical-Electronics and Computer Engineering for Differentiated High School Mathematics Curriculum*. Chair: Assoc. Prof. Dr. İlker Kalender
- Σ University of Cambridge [2013, January-March], Part of M.S. in Bilkent University [2013]. Curriculum & Instruction with Teaching Certificate PGCE Secondary Mathematics-Faculty of Education-England
- Σ Gibtu University. B.S. [2023*...]. Computer engineering.
- Σ Anadolu University. B.A. [2013]. Economics.
- Σ **Hacettepe University. B.S. [2011]. Mathematics.**
- Σ Fitnat Nuri Tekerekoğlu Anadolu Lisesi. [2005]. Lise diploma.

Academic Experience

- Σ University of Minnesota, Visiting professor. [2024-2025]. STEM Education Center. USA
- Σ Gaziantep University. Assoc. Professor. [2022* ...]. Faculty of Education. Curriculum & Instruction.
- Σ Gaziantep University. Asst. Professor. [2019-2022]. Faculty of Education. Curriculum & Instruction.
- Σ Gaziantep University. Inst. [2015-2019]. Rectorate.
- Σ Zielona Gora University. Visiting professor. [2022 Summer]. Education Faculty. Poland.
- Σ Hasan Kalyoncu University. Visiting professor. [2022 Fall]. Education Faculty. English teacher education.
- Σ Jordan University. Visiting professor. [2022 Summer]. Education Faculty. Jordan.

Awards

- Σ Gaziantep University [2023], Science Award-Social Sciences Maximum Incentive Points
- Σ TÜBİTAK [2014], Secondary School Students Research Projects Competition Turkey 4th place [Consultant]
- Σ TÜBİTAK [2015], Secondary School Students Research Projects Competition Turkey 1st place [Consultant]

School Experience

- Σ Private SANKO Science and Technology High School [2012-2015], Mathematics Teacher
- Σ St. Edmund's School, Canterbury, England, Mathematics Teacher, Internship
- Σ Linton Village College, Cambridge, England, Mathematics Teacher, Internship
- Σ TED Foundation High School, Ankara, Mathematics Teacher, Internship
- Σ VKV Koç High School, Istanbul, Mathematics Teacher, Internship
- Σ Bilkent Laboratory and International Schools [BLIS], Ankara, Mathematics Teacher, Internship
- Σ IDV Private Bilkent High School, Ankara, Mathematics Teacher, Internship
- Σ IDV Private Bilkent Primary School, Ankara, Mathematics Teacher, Internship

Certificates

- Σ Bilkent University [2013], International Baccalaureate [IB] Teaching Certificate, Ankara
- Σ Bilkent University [2013], Mathematics Teaching Pedagogical Formation Certificate, Ankara
- Σ TÜBİTAK [2013], TÜBİTAK Research Projects Consultancy Certificate
- Σ European Schoolnet [2016], Scientix Project Türkiye Representation Certificate, Brussels-Belgium
- Σ Turkish Standards Institute [2017], Quality Management System ISO 9001:2015 [Quality Certification]
- Σ Turkish Standards Institute [2017], Quality Management System ISO 9001:2015 [Internal Audit]
- Σ Turkish Standards Institute [2017], Quality Management System ISO 9001:2015 [Risk Based Process]
- Σ Turkish Standards Institute [2017], Quality Management System ISO 9001:2015 [Documentation]

Citations [h-index]

- Σ [ORCID: https://orcid.org/0000-0003-1871-520X](https://orcid.org/0000-0003-1871-520X)
- Σ [Google Scholar](#): 1146 [20], [Scopus](#): 56[5], [Web of Science](#): 46[5].

Company

1. **Başaran, M.** [2023]. Founder of Dünyatek Bilişim Teknoloji A.Ş. [Dünyatek Information Technology Inc.] <https://www.dunyatek.com.tr/> and <https://www.dunyatek.com>.

Scholarly Activities¹

Scholarly Activities: Peer-reviewed articles.

1. **Başaran, M.,** Özalp, G., Kalender, İ., & Alacaci, C. [2015]. Mathematical knowledge and skills expected by higher education in engineering and social sciences: implications for high school mathematics curriculum. *Eurasian Journal of Mathematics, Science, and Technology Education*, 11[2], 405-420. [SSCI-Q2]
2. Kalyenci, D., Metin, Ş., & **Başaran, M.** [2021]. Test for assessing coding skills in early childhood. *Education and Information Technologies*, 27 [4], 4685-4708. [SSCI-Q1]
3. Vural ÖF, **Başaran M**, Demirtaş Z, Karamanlı AR, & Bayrakçı C [2022] Students' "COVID-19" and "school" perceptions in the pandemic. *Front. Psychol.* 13:897177. [SSCI-Q1]
4. **Başaran, M.** & Bay, E. [2023]. The effect of project-based STEAM activities on the social and cognitive skills of preschool children, *Early Child Development and Care*, [SSCI-Q2]
5. **Başaran, M.** & Candan, F. [2023]. A meta-thematic analysis of using technology-mediated gamification tools in the learning process. *Interactive Learning Environments*, [SSCI-Q1]
6. Metin, Ş., **Başaran, M.**, Kalyenci, D., & Relkin, E. [2024]. Adaptation of the computational thinking skills assessment tool [TechCheck-K] in early childhood. *Journal of Science Education and Technology*. [SSCI-Q1]
7. **Başaran, M.**, Metin, Ş., & Vural, Ö. M. [2024]. Meta-thematic synthesis of research on early childhood coding education: A comprehensive review. *Education and Information Technologies*. [SSCI-Q1]
8. Metin, Ş., **Başaran, M.**, Kalyenci, D., Bilir, B., & Relkin, E. [2024]. Design-based learning-digital story preparation [DBL-DSP]: Enhancing coding and computational thinking skills in early childhood education *Early Childhood Education*. [SSCI-Q1]
9. **Başaran, M.** & Duman, C. [2024]. Dialogues with artificial intelligence: Exploring medical students' perspectives on ChatGPT, *Medical Teacher*. [SSCI-Q1]
10. **Başaran, M.**, Metin, Ş., & Vural, Ö. M. [2024]. Early coding education and its multidimensional impact on preschool development: An analysis of ChatGPT's insights. *International Journal of Early Childhood*. [ESCI-Q1]
11. **Başaran, M. Tandırcı, C.**, & Vural, Ö. M. [202X]. Assessing AI in educational evaluation: A comprehensive analysis of ChatGPT's performance on PISA reading skills. *Technology, Knowledge and Learning* [ESCI-Q1]
12. **Başaran, M.** & Vural, Ö. M. [202X]. Perception of teachers towards STEAM and inquiry-based teaching after STEAM activities training. *Sage Open*. [SSCI-Q1]
13. **Başaran, M.**, Metin, Ş., & Vural, Ö. M. [202X]. Unveiling the landscape of project-based learning in early childhood: insights from meta-thematic analysis. [SSCI-Q1] [in review]
14. **Ayhan, M., Başaran, M.**, Metin, Ş., & Kalyenci, D. [202X]. Exploring the landscape of artificial intelligence education for early childhood: A systematic review and framework analysis [SSCI-Q1] [in review]

15. Başaran, M., Akşab, H. V., & Kaya, Z. [202X]. Artificial Intelligence in English Language Teaching: A Qualitatively Supported Meta-Thematic Analysis of Teachers' Perceptions [SSCI-Q1] [in review]
16. Başaran, M. & Candan, F. [202X]. Augmented Reality [AR] in Medical Education: A Comprehensive Meta-Thematic Analysis of Educational Benefits and Implementation Challenges. [SSCI-Q2] [in review]
17. Taşkın, M. & Başaran, M. [202X]. Exploring the impact of robotics and coding education on cognitive development and problem-solving skills *. [SSCI-Q1] [in review]
18. Batdı, V., Başaran, M., Roehrig, G. H., & Yağlı, D. [202X]. Integrating engineering design in secondary education: A mixed meta method on enhancing 21st-century skills [ESCI] [in review]
19. Batdı, V., Başaran, M., & Aydın, S. [2025]. Life sciences courses evaluate artificial intelligence-supported mind map applications in the context of a multi-complementary approach. [SSCI-Q1] [in review]
20. Batdı, V., Başaran, M., Candan, F., & Bağçeci, B. [202X]. Leveraging artificial intelligence in science education: A comprehensive mixed-meta-analysis of impact on academic performance and skill development. [SSCI-Q1] [in review]
21. Batdı, V., Başaran, M., & Candan, F. [202X]. Investigation of artificial intelligence-supported language teaching with mixed-meta method. [SSCI-Q1] [in review]
22. Başaran, M., & Erdem, T. [202X]. Effectiveness of out-of-school learning environments: A meta-thematic review of cognitive, affective, and social contributions. [SSCI-Q1] [in review]
23. Metin, Ş., Başaran, M., Özbay, Y., Akgül, E., Yıldırım Sehereli, M., Kalyenci, D., & Özcan, M. [202X]. Engineering design test in early childhood: A validity and reliability study. [SSCI-Q1] [in review]
24. Metin, Ş., Başaran, M., Batı, K., Akgül, E., & M., Kalyenci, D. [202X]. Development of preschool teachers' competence scale for teaching computational thinking skills (PTCS-CT): Validity and reliability study. [SSCI-Q1] [in review]
25. Yaman, M., & Başaran, M. [202X]. Unveiling educators' insights on artificial intelligence in education: A qualitative study of potential, expectations, and challenges. *E-Kafkas Journal of Educational Research* [TR Index]
26. Başaran, M., Yaman, M., & Vural, Ö. [202X]. Navigating the Brain Drain Dilemma: Turkish University Students' Perceptions, Motivations, and Policy Implications [in review]
27. Başaran, M. & Vural, Ö. M. [2024]. The Plights of West-African Students in Turkish Universities: A Case Study of Gaziantep University. *International Journal on Lifelong Education and Leadership*. [H. W. Wilson]
28. Başaran, M. & İlter, M. [2023]. Investigation of the relationship between teachers' inquiry-based teaching self-efficiency for STEM+S and their computational thinking skills *Research on Education and Media*. [ERIC]
29. Vural, Ö., & Başaran, M. [2020]. The reasons for teachers' preference for master's degrees. *International Journal of Curriculum and Instruction [IJCI]*. [ERIC]
30. Bay, E., Başaran, M., & Döş, B. [2020]. Reasons for gaining and losing the popularity of a paradigm? Why? How? *Psycho-Educational Research Reviews [Perr]*. [ERIC]

31. Yıldırım, İ., Başaran, M., Cüçük, E., & Yokuş, E. [2018]. Development of inquiry-based teaching self-efficacy scale for STEM+S education: Validity and reliability study. *International Online Journal of Educational Sciences*, 10 [3], 40-55. [H. W. Wilson]
32. Ulaş, S., Kurt, H. İ., Bayındır, S., Özgül, C., Vural, Ö. F., & Başaran, M. [2021]. 'Teachers' metaphoric perceptions of Covid-19 and school in the process of Covid-19. *Psycho-Educational Research Reviews [Perr]*. [ERIC]
33. **Başaran, M.**, Dursun, B., Gür Dörtok, HD, & Yılmaz, G. [2020]. Evaluation of Preschool Education Program According to CIPP Model. *Pedagogical Research [PEDRE]*, [ERIC]
34. **Başaran, M.** Özdemir, O., & Can, S. [2020]. The 8th-grade English curriculum is evaluated According to the context, input, process, and product [CIPP] model. *E-International Journal of Educational Research*, [HW Wilson]
35. Vural, Ö. F., Altıparmak, E., Aras, SE & **Başaran, M.** [2022]. Analysis of High School Students' Perceptions of School in the Covid-19 and Covid-19 Process through Metaphors. *Abi Evran University Kırşehir Journal of Faculty of Education*, 23 [1], 1161-1220. [H. W. Wilson]
36. **Başaran, M.** 2021]. Meta-thematic analysis of flipped classroom applications. *European Journal of Educational Studies*, 8 [10], 61-88. [ERIC]
37. Akcan, E., & **Başaran, M.** [2022]. Development of inquiry skills scale for life studies: Validity and reliability study. *Pedagogical Research*, 7 [4], em0135. [ERIC]
38. Durucu, AS, & **Başaran, M.** [2022]. Investigation of the relationship between teachers' self-efficacy in inquiry-based teaching for STEM+S and teaching 21st-Century skills. *Journal of Innovative Research in Teacher Education*, 3 [3], 339-362. [H. W. Wilson]
39. Metin, S., **Başaran, M.**, & Kalyenci, D. [2023]. Examining coding skills of five-year-old children. *Pedagogical Research*, 8 [2]. [ERIC]
40. **Başaran, M.**, Uygur, E., & Eş, H. [2023]. Nuclear sciences school for science teachers. *Abant İzzet Baysal University Faculty of Education Journal*. [TR Index]
41. Kara, V & **Başaran, M.** [2022]. Investigation of the attitudes of primary school teachers towards refugee students. *Anemon Muş Alparslan University Journal of Social Sciences*, 10[3], 981-1001 [TR Index]
42. **Başaran, M.** & Candan, F. [2023]. Doğan Cüceloğlu's educational philosophy in the context of his speeches and works. *E-Kafkas Journal of Educational Research*. [TR Index]
43. Başaran, M., Nacar, E., Aksay, G., Tüfekçi, H. & Vural, Ö. F. [2022]. Teacher Opinions on the Applicability of Augmented Reality [Ag] Applications in Preschool Period. *Mehmet Akif Ersoy University Journal of Faculty of Education*, [62], 135-157. [TR Index]
44. Özyurt, M., Kuşdemir Kayıran, B., & **Başaran, M.** [2018]. Analysis of primary school students' attitudes towards STEM in terms of various variables. *International Periodical for the Languages, Literature, and History of Turkish or Turkic*, 12 [32], 147-161. [TR Index]

45. Yokuş, E., Cüçük, E., **Başaran, M.**, & Yıldırım, İ. [2017]. Examining teacher candidates' self-efficacy perceptions about being a teacher and their attitudes towards computer-assisted education. *International Periodical for the Languages, Literature, and History of Turkish or Turkic*, 12 [32], 147-161. **[TR Index]**
46. **Başaran, M.**, Kumru, S., Acar, D., Kayıklık, F. & Vural, Ö. F. [2021]. Evaluation of the impact of R&D studies on schools in the context of Erasmus+ projects. *International Journal of Education, Science, and Technology*, 7 [3], 183-200. **[TR Index]**
47. Özdemir İleriş, O., & **Başaran, M.** [2021]. Evaluation of information technologies and software curriculum in the context of the CIPP model. *İnönü University Journal of Faculty of Education*, **[TR Index]**
48. **Başaran, M.**, Vural, Ö. F., Eraslan, A., Belen, F., & Abar, H.S. [2022]. Examination of the homework Status of primary school students in the distance education process in terms of parental opinions. *Trakya Journal of Education*, 12 [1], 248-258. **[TR Index]**
49. **Başaran, M.**, Ülger Gül, I., Demirtaş, M., Kara, E., Geyik, C., & Vural, Ö. [2021]. Investigation of teachers' use of technology in the distance education process. *OPUS International Journal of Society Research*, **[TR Index]**
50. Bağçeci, B., **Başaran, M.**, & Vural, Ö. F. [2016]. Analysis of classroom teachers' views on implementing the constructivist program: The latest point reached in 2016. *The Journal of Academic Social Science*, 4 [31], 241-153. **[Asos]**
51. Bağçeci, B., **Başaran, M.**, Şahin, A., & Doğan, E. [2020]. Constructivist teacher performance evaluation scale in the teaching-learning process: a rubric study. *International Journal of Current Approaches in Language, Education and Social Sciences [CALESS]*, 2 [1], 232-256. **[Index Copernicus]**
52. **Başaran, M.**, Doğan, E., Karaoğlu, E., & Şahin, E. [2020]. A study on the effectiveness of distance education resulted from the coronavirus [Covid-19] pandemic process. *Academia Journal of Educational Research [Academia]*, 5 [2], 179-209. 4 **[Asos]**
53. **Başaran, M.**, Kaya, Z., Akbas, N., & Yalcin, N. [2020]. The impact of eTwinning activity on teachers' professional development in the project-based teaching process. *Journal of Education, Theory and Practical Research*. **[Index Copernicus]**
54. **Başaran, M.**, Öztaş, C., & Vural, Ö. [2021]. Teacher views on blended learning. *International Journal of Educational Studies and Policy*, **[Asos]**
55. Çetin, E., Akay Celep, D., Uslu, E., Vural, Ö. F. & **Başaran, M.** [2021]. Metaphorical perceptions of primary school parents against Covid-19. *Gaziantep University Journal of Educational Sciences*, 5 [2], 165-187. **[Asos]**
56. Vural, Ö. F., **Başaran, M.**, Özkan, Ç., Orhan, N. & Ortoğlu, Z. [2022]. Determination of middle school students' perceptions of Covid-19 and Schools in the Covid-19 pandemic period. *Gaziantep University Journal of Educational Sciences*, 18-40. **[Asos]**
57. Yavuz, T., Vural, Ö. F., & **Başaran, M.** [2021]. Solution Proposals for High School Students' Problems in Spelling and Punctuation: Student and Teacher Views: High School Students' Problems in Spelling and Punctuation. *Anatolian Turk Education Journal*, 3 [1], 109-137. **[Asos]**

58. **Başaran, M.**, İlter, M., Alemdar, M. & Vural, Ö. F. [2022]. Distance education experiences of Syrian students under temporary protection during the Covid-19 pandemic. *Turkish Journal of Teacher Education*, 11 [2], 81-98. [Index Copernicus]
59. Gür Dörtok, H.D. & **Başaran, M.** [2022]. Examination of studies on social skills training. *Journal of Interdisciplinary Educational Research*, 6 [13], 328-352. [Asos]
60. Vural, Ö. F. & **Başaran, M.** [2022]. Development of teachers' perception scale regarding visual arts with NFT: Validity-reliability study. *International Journal on Lifelong Education and Leadership*, 8[2], 1-14. [EBSCO]

¹ [Academia full texts](#)

Scholarly Activities: Proceedings

1. Alacacı, C., Özalp, G., **Başaran, M.** & Kalender, İ. [2014]. Mathematical Knowledge and Skills Expected by Higher Education: Implications for Curriculum Design and Textbook Content. Jones, Keith, Bokhove, Christian, Howson, Geoffrey, and Fan, Lianghuo [eds.] *Proceedings of the International Conference on Mathematics Textbook Research and Development* [p. 115-120], Southampton, GB, **University of Southampton**.
2. Bağçeci, B., **Başaran, M.**, Şenel, M., & Vural, S. [2016]. A Comparative Study between International Baccalaureate Diploma Program and 11th and 12th Grade Turkish Language and Literature Curriculum. *II. International Symposium on Education and Social Sciences in Turkic Cultural Geography*. Gaziantep, Turkey, **Gaziantep University**.
3. **Başaran, M.**, Yokuş, E., Cücük, E. & Yıldırım, İ. [2017]. Examining Teacher Candidates' Self-Efficacy Perceptions about Being a Teacher and Their Attitudes Towards Computer Assisted Education. *26th International Educational Sciences Congress* [p. 649-652], Antalya, Turkey, **Karadeniz Technical University**
4. Özyurt, M., Kayıran, B. & **Başaran, M.** [2017]. Study on Adapting the STEM Attitude Scale to the Primary and High School Level. *IVth International Eurasian Educational Research Congress*, Denizli, Turkey, **Pamukkale University**.
5. Özyurt, M., **Başaran, M.** & Kayıran, B. [2017]. The Investigation of Primary School Children's Attitudes towards STEM in Terms of Different Variables. *Third International Conference on the Changing World and Social Research*, Rome, Italia, **Selçuk University**.
6. Yıldırım, İ., Cücük, E., Yokuş, E. & **Başaran, M.** [2017]. Development of Inquiry-Based Teaching Self-Efficacy Scale for STEM+S Education: Validity and Reliability Study. *3rd International Conference on The Changing World and Social Research*, Rome, Italia, **Selçuk University**.
7. **Başaran, M.**, Özyurt, M., & Kayıran, B. [2017]. Investigation of High School Students' Attitudes Towards STEM in Terms of Various Variables in the Context of School. *Academic Conference on Education, Teaching, and E-learning AC-ETeL 2017*, Prague, Czech Republic, **Czech Technical University**.

8. **Başaran, M.**, Ozyurt, M., & Yigit, C. [2017]. Examination of Teachers' Opinions on the Implementation of the Mathematics Curriculum According to the Design Understanding Approach. *5th International Conference on Curriculum and Instruction, 26-28 October 2017, Muğla, Turkey, Muğla Sıtkı Koçman University.*
9. **Başaran, M. &** Bay, E. [2018]. The Processes and the Steps of A STEM [Science, Technology, Engineering, Mathematics] Teacher Training Program for a Pre-School Education Institution. *27th International Educational Sciences Congress* [p. 583-586], Antalya, Turkey, **Atatürk University.**
10. **Başaran, M. &** Yıldırım, İ. [2018]. The Effect of STEM Education on Inquiry-Based Teaching Self-Efficacy and Stem Awareness of Teachers. *27th International Educational Sciences Congress* [p. 545-548], Antalya, Turkey, **Atatürk University.**
11. **Başaran, M.** [2018]. Evaluation of the Relationship between Academic Success and Course Study Habits of Secondary School Students. *27th International Educational Sciences Congress* [p. 399- 402], Antalya, Turkey, **Atatürk University.**
12. **Başaran, M. &** Bay, E. [2018]. A Qualitative Evaluation about the Teacher Metaphorical Perceptions of STEM. *27th International Educational Sciences Congress* [p. 396- 398], Antalya, Turkey, **Atatürk University.**
13. Cücük, E., **Başaran, M.**, Yokuş, E. & Yıldırım, İ. [2018]. The Examination of Inquiry-Based Teaching Self-Efficacy of Teachers within STEM+S Instruction. *Academic Conference on Education, Teaching, and E-learning AC-ETeL 2018*, Prague, Czech Republic, **Czech Technical University.**
14. **Başaran, M. &** Bay, E. [2019]. The Impact of STEM Practices in Preschool-on-Preschool Children. *V. International TURKCESS Congress of Education and Social Sciences*, Istanbul, Turkey, **Yıldız Technical University.**
15. Uygur, E., **Başaran, M.**, Aşık, G., Uygur, M., Yıldırım, B., & İpek, H. [2019]. Attitudes of Rural Students Towards STEM Education: "STEM in the Village" Project*. *International Symposium on Turkish Computer and Mathematics Education-4*, Izmir, Turkey.
16. Vural, Ö. & **Başaran, M.** [2020]. Teachers' Opinions for Academic Development. *6th International Conference on Lifelong Education and Leadership for All*, Sakarya, Turkey.
17. **Başaran, M.**, Canyurt, M., Sevinç, D., Vural, M., & Vural, Ö. F. [2021]. Secondary School Teachers' Awareness, Frequency of Use and Educational Utilization of Web 2.0 Tools in The Distance Education Process. *8th International Congress on Curriculum and Instruction Curriculum Studies in Lifelong Learning*, Burdur, Turkey, **Burdur Mehmet Akif Ersoy University.**
18. Başaran, F., Vural, Ö. F., **Başaran, M.**, & Demirtaş, Z. [2021]. Teachers' Views about the Use of Technology and The Flipped Classroom in Education. *4th International Symposium on Current Developments in Science, Technology and Social Sciences*, Gaziantep, Turkey, **Gaziantep University.**
19. Sekin, S., Tozcu, R., Karadağ, N., **Başaran, M.**, & Vural, Ö. F. [2021]. The Effects of Values Education on Students' Behavior. *International Göbeklitepe Social and Human Sciences Congress-II*, Şanlıurfa, Turkey, **Harran University.**

20. Kasan, F., Dağdelen, G., Coşkun Öcal, G., **Başaran, M.**, & Vural, Ö. F. [2021]. Teachers' Opinions on the Impact of the Covid-19 Distance Education Process on Inclusion Students. *14th National Science and Mathematics Education Congress*, Burdur, Turkey, **Burdur Mehmet Akif Ersoy University**
21. Kalyenci, D., Metin, Ş., & **Başaran, M.** [2021]. Test for Assessing Coding Skills in Early Childhood Period. *II. International Congress of Pedagogical Research*, **Malaysia, University Utara Malaysia, and Octagon Education Consultancy.**
22. **Başaran M.**, Vural Ö. F., Fet EY, Yıldırım Sucu H., Durmuş Keskin Ö. [2021]. Students' Perception of Covid-19 and School Perceptions in the Covid-19 Process: A Metaphor Analysis Study. *International Symposium on Social Sciences and Educational Sciences.*
23. **Başaran M.**, Vural Ö. F. Çömez, A., Ekşi M., Akdağ TN [2021]. Investigation of School Administrators' Metaphorical Perceptions of the Covid-19 Process. *Hagia Sophia 3rd International Conference on Multidisciplinary Scientific Studies*, 1[1], 498-533.
24. **Başaran M.**, Vural Ö. F. [2022]. NFT, virtual art, scale, Non-Fungible Token. *8th International Conference on Lifelong Education and Leadership for All -ICLEL 2022*. **Granada University Education Faculty.**

Scholarly Activities: Journals Edited

1. **Başaran, M.** [2022*...]. Editor. *International Journal of Trends and Developments in Education [Jtade]*.
2. **Başaran, M.**, & Cüçük, E. [2022]. Guest editor of the special issue on Prof. Dr. Hikmet Yıldırım Celkan. *Gaziantep Üniversitesi Eğitim Bilimleri Dergisi [GAUN-JES]*.

Scholarly Activities: Books Edited

1. **Başaran, M.** & Vural Ö. F. [2021]. *Current Developments in Education*. Ankara: Pegem
2. **Başaran, M.** & Vural Ö. F. [2022]. *Adult Development and Learning*. Ankara: Education Publishing House
3. **Başaran, M.**, & Hatzikraniotis, E. [2025]. *Defining Standards in STE²AM (Entrepreneurship) Education: USA: Nova [in press]*
4. **Batdı, V.**, & **Başaran, M.** [2025]. *Artificial Intelligence Tools in Qualitative Research I*: Ankara: Nobel

Scholarly Activities: White papers, reports

1. **Başaran, M.** [2020]. STEM as an Educational Model. [Ed.] Erdal Bay. *Report of the Subcommittee on the Orientation of Girls, Particularly to Science, Technology, Engineering and Mathematics*. Ankara: Turkish Grand National Assembly.

Scholarly Activities: Book Chapters

1. **Başaran, M.** & Bay, E. [2020]. STEM Approach in Early Childhood Science Education. [Ed.] Gonca Uludağ. *Science Education in Early Childhood- "The Child's Journey of Discovery"* [pp. 253-284]. Ankara: Nobel.
2. **Başaran, M.** [2020]. Use of Technology. [Ed.] Recep Kahramanoğlu. *Effective Teaching Strategies*. Ankara: Pegem
3. **Başaran, M.** [2021]. STEM as an Educational Model. [Ed.] İbrahim Yıldırım. *Technology Supported Instruction*. Ankara: Nobel.
4. Doğan, E. & **Başaran, M.** [2021]. STEM Education Model. [Ed.] Mehmet Başaran & Ömer Faruk Vural. *Current Developments in Education*. Ankara: Pegem
5. **Başaran, M.** & Kaya, Z. [2021]. Waldorf Approach. [Ed.] Mehmet Başaran & Ömer Faruk Vural. *Current Developments in Education*. Ankara: Pegem
6. **Başaran, M.** [2020]. STEM as an Educational Model. [Ed.] Erdal Bay. *Report of the Subcommittee on the Orientation of Girls, Particularly to Science, Technology, Engineering and Mathematics*. Ankara: Turkish Grand National Assembly.
7. Yılmaz, Ö. & **Başaran, M.** [2022]. Intelligence, Creativity, and Wisdom in Adulthood and Old Age. [Ed.] Mehmet Başaran & Ömer Faruk Vural. *Adult Development and Learning*. Ankara: Education Publishing House
8. Avcı, Ş. & **Başaran, M.** [2022]. Attention and Memory in Adulthood and Old Age. [Ed.] Mehmet Başaran & Ömer Faruk Vural. *Adult Development and Learning*. Ankara: Education Publishing House
9. **Başaran, M.** [2023]. 21st Century Learning Skills in School Development. [Ed.] Murat Taşdan, Rasim Tösten & Muhammet Baş. *School Development Studies from Theory to Practice*. Ankara: Nobel.
10. **Başaran, M.** [2023]. Social Media [Tweet Analysis]. [Ed.] Erdal Bay & Recep Kahramanoğlu. *Analysis of Generation Z Ethosphere System [Understanding Generation Z]*. Gaziantep: Gazi Kültür.
11. **Başaran, M.** [2023]. Phenomenon Analysis. [Ed.] Erdal Bay & Recep Kahramanoğlu. *Analysis of Generation Z Ethosphere System [Understanding Generation Z]*. Gaziantep: Gazi Kültür.
12. Başaran, M. (2021). The publication process of research. In F. Balaman & Ş. Saygıner (Eds.), *The supportive role of digital technologies in academic research processes: From theory to practice* (pp. 261–280). Nobel.
13. Başaran, M., Batdı, V., Talan, T., Çakmak, F., & Doğan, Y. (2021). Unplugged coding applications. V. Batdı & Y. Doğan (Eds.), *Exploring the nexus of education, language and technology in the 21st century* (ss. 161–180). Nova Science Publisher.
14. Candan, F., & **Başaran, M.** [2025]. Education of the Future: Industry 4.0 and Transformation in Education. [Ed.] **Mehmet Başaran** & Euripides Hatzikraniotis. *Defining Standards in STE²AM (Entrepreneurship) Education*: USA: Nova. [in press]
15. Candan, F., & **Başaran, M.** [2025]. Computational Thinking. [Ed.] **Mehmet Başaran** & Euripides Hatzikraniotis. *Defining Standards in STE²AM (Entrepreneurship) Education*: USA: Nova. [in press]

16. **Başaran, M.**, Er F. T., & Yağlı, D. [2025]. Design And Evaluation of a Training Program for Teachers That Integrates STEAM Training with Entrepreneurship Training: The Case of Gaziantep. [Ed.] **Mehmet Başaran** & Euripides Hatzikraniotis. *Defining Standards in STE²AM (Entrepreneurship) Education*: USA: Nova. [in press]
17. **Başaran, M.**, Er F. T., & Yağlı, D. [2025]. STEAM+E: STEAM and Entrepreneurship in Education. [Ed.] **Mehmet Başaran** & Euripides Hatzikraniotis. *Defining Standards in STE²AM (Entrepreneurship) Education*: USA: Nova. [in press]
18. **Başaran, M.**, & Hatzikraniotis, E. [2025]. Standards For STE2AM Education. [Ed.] Mehmet **Başaran** & Euripides Hatzikraniotis. *Defining Standards in STE²AM (Entrepreneurship) Education*: USA: Nova. [in press]
19. **Başaran, M.** [2025]. Children Learning Technology. [Ed.] Ali İbrahim Can Gözü. *Technology in the Construction of Childhood: Building Blocks - Learning Process - Family*: Ankara: Pegem. [in press]
20. Candan, F., & **Başaran, M.** [2025]. Inclusive Solutions from Perplexity. Ai Literature Review to Data Analysis in Qualitative Research [Ed.] Veli Batdı & **Mehmet Başaran** [2025]. *Artificial Intelligence Tools in Qualitative Research I*: Ankara: Nobel
21. Yağlı, D., & **Başaran, M.** [2025]. Revolutionizing Academic Writing with Quillbot: The Power of Paraphrase [Ed.] Veli Batdı & **Mehmet Başaran** [2025]. *Artificial Intelligence Tools in Qualitative Research I*: Ankara: Nobel

Scholarly Activities: Panels, Forums, & Symposiums

1. Acar, A., Akgündüz, D., **Başaran, M.**, Başaran, M. S., & Çavaş, B. [2017, December]. *Eğitimde alternatif yaklaşımlar II: STEM uygulamaları* [Alternative approaches in education II: STEM]. In Ş. Büyüköztürk, [Moderator]. Panel discussion at the Hasan Kalyoncu Üniversitesi, Gaziantep, Turkey.
2. **Başaran, M.** [2017]. *14th Science Projects Workshop in the Classroom of the Future Laboratory*. Project panel discussion at the European Schoolnet, Brussels, Belgium.
3. **Başaran, M.** [2017]. *Bahçeşehir University STEM DAY*. Panel discussion at the İstanbul, Türkiye.
4. **Başaran, M.** [2017]. *Gaziantep Regional Workshop*. Invited Keynote *Etwinning* Speaker at the *Etwinning*, Gaziantep, Türkiye.
5. **Başaran, M.** [2016]. *Scientix Project Representative Meeting*. Project panel discussion, Alicante, Spain.
6. **Başaran, M.** [2016, December]. *STEM moda mı model mi?* [Is STEM a fashion or a model?]. Panel discussion at the ÖRAV, İstanbul, Turkey.
7. **Başaran, M.** [2015]. *STEM in Education and Life*. Panel discussion at the Eminent, Spain.
8. **Başaran, M.** [2015]. *Scientix Science and Mathematics Education Conference*. Project panel discussion, Ankara, Türkiye.
9. **Başaran, M.** [2014]. *Scientix Project Representative Meeting*. Project panel discussion at the European Schoolnet, Brussels, Belgium.

Grants**Grants:** Project Coordinator

1. **Başaran, M.** [Project Coordinator, 2022-2025], **European Union, HED KA220**, *Defining Standards in STE²AM [Entrepreneurship] Education*-KA220-HED-Cooperation partnerships in higher education [Budget 250.000 €]
2. **Başaran, M.** [Project Coordinator, 11.01.2021-10.05.2022], The Scientific and Technological Council of Turkey [TÜBİTAK-4004], *In the Village STEM-2, Science and Society*, Directorate of Science and Society Programs [Budget 120,000 TL~7000 €]
3. **Başaran, M.** [Project Coordinator, 17-21.05.2021], The Scientific and Technological Council of Turkey [TÜBİTAK 2237-A] *Errors and Solution Suggestions in Qualitative Research*
4. **Başaran, M.** [Project Coordinator, 04-08.10.2021], The Scientific and Technological Council of Turkey [TÜBİTAK 2237-A] *Errors and Solutions in Qualitative Research-2*
5. **Başaran, M.** [Project Coordinator, 21-30 May 2022], European Union KA152-*Social Integration of Disabled People: A Youth Awareness Movement Project*

Grants: Researcher

1. **Başaran, M.** [Researcher, 2024], **European Union, YOU KA220**, 2024-*Professional Roadmap and Opportunities for Sustainable Participation in E-sports for The Youth-KA220-YOU-Cooperation* partnerships in youth education [**Budget 250.000 €**]
2. **Başaran, M.** [Researcher, 01.08.2024-01.08.2025], The Scientific and Technological Council of Turkey [TUBITAK-4005], *Nuclear Sciences School 2*, Directorate of Science and Society Programs [Budget 280,000 TL; 10000 €]
3. **Başaran, M.** [Researcher, 2023], The Scientific and Technological Council of Turkey [TUBITAK-1001], *Development of Computational Thinking and Coding Skills Education Model Based on Understanding Approach through Design in Preschool* [Budget 52.000 €]
4. **Başaran, M.** [Researcher, 30.09.2022-10.04.2023], The Scientific and Technological Council of Turkey [TUBITAK-4004], *Technological and Innovative Content Development Applications for Mathematics Education*, Science and Society, Directorate of Science and Society Programs [Budget 120,000 TL~7000 €]
5. **Başaran, M.** [Researcher, 01.03.2022-10.12.2022], The Scientific and Technological Council of Turkey [TUBITAK-4005], *Nuclear Sciences School for Science Teachers*, Directorate of Science and Society Programs [Budget 120,000 TL; 7000 €]
6. **Başaran, M.** [Researcher, 11.01.2021-10.05.2022], The Scientific and Technological Council of Turkey [TUBITAK-4005], *Teachers at Science and Art Centers School of Nuclear Sciences for Science Teachers*, Science and Society, Directorate of Practice, Science and Society Programs [Budget 120,000 TL~7000 €]
7. **Başaran, M.** [Researcher, 10.09.2018-10.05.2019], The Scientific and Technological Council of Turkey [TUBITAK-4004], *Computerless Coding in Preschool Education*, Science and Society, Directorate of Science and Society Programs [Budget 120,000 TL; 7000 €]
8. **Başaran, M.** [Investigator, 2017], Gaziantep University BAP, *Development and Implementation of In-Service Training Curriculum for Secondary School Science and Mathematics Teachers with STEM Approach Project*. [**Budget 15,000TL~\$4,500**]
9. **Başaran, M.** [Researcher, 2022], BAP Project-*Augmented Reality Applications in Medical Education*, Project No: TF. ALT.21.34 [Gaziantep, Turkey] [Budget 500,000 TL~35,000 €]
10. **Başaran, M.** [Researcher, 14.12.2018-14.06.2019], The Scientific and Technological Council of Turkey [TUBITAK-4004], *STEM, Science and Society in the Village*, Directorate of Application, Science and Society Programs
11. **Başaran, M.** [Researcher, December 2022], **United States Embassy-STREAMitup 2 Project**. [**Budget \$50,000**]
12. **Başaran, M.** [Researcher, 2020], 2020 Ayeum-*Researcher Educational Development and Online Learning Environment and System Design*
13. **Başaran, M.** [Researcher, 2022-2023], Manisa Teknokent -*New Generation Learning Systems Design*

Grants: Other Roles in Projects

1. **Başaran, M.** [Instructor, 01.09.2025-01.09.2026], The Scientific and Technological Council of Turkey [TUBITAK-4005], *Qualified Mathematical Activity Design and Implementation Training with Activity Evaluation and Feedback Tool (Edga)*, In force, Directorate of Science and Society Programs
2. **Başaran, M.** [Instructor, 01.08.2024-01.08.2025], The Scientific and Technological Council of Turkey [TUBITAK-4004], *Disasters, Nature and Human; Being Ready and Surviving*, In force, Directorate of Science and Society Programs
3. **Başaran, M.** [Instructor, 30.09.2022-10.04.2023], The Scientific and Technological Council of Turkey [TUBITAK-4004], *STREAM-Based Mathematics Education with Multidisciplinary Methods*, Science and Society, Directorate of Science and Society Programs,
4. **Başaran, M.** [Instructor, 10.06.2018-30.01.2019], The Scientific and Technological Council of Turkey [TUBITAK-4007], *Gaazi City is Celebrating Science, Science, and Society*, In force, Directorate of Science and Society Programs
5. **Başaran, M.** [Instructor, 09.12.2019-01.10.2021], The Scientific and Technological Council of Turkey [TUBITAK-4004], *Gaziantep Science, Art, and Technology Festival*, In force, Directorate of Science and Society Programs
6. **Başaran, M.** [Advisor, 2024], The Scientific and Technological Council of Turkey [TÜBİTAK 2209-A], *Artificial Intelligence Supported Mathematics Education: Investigating the Effect of Khan Academy Artificial Intelligence Application on Student Achievement and Student Attitudes Towards Mathematics*
7. **Başaran, M.** [Advisor, 2024], The Scientific and Technological Council of Turkey [TÜBİTAK 2209-A], *Text Analysis with Translation Literature in Teaching Turkish Dialects to Turkish Origin Students*
8. **Başaran, M.** [Advisor, 2024], The Scientific and Technological Council of Turkey [TÜBİTAK 2209-A], *The Effect of Using Storytelling Method in Teaching Mathematics to Visually Impaired Secondary School Students on Students' Mathematics Achievement*
9. **Başaran, M.** [Advisor, 2024], The Scientific and Technological Council of Turkey [TÜBİTAK 2209-A], *The Effect of Achievement in Four Language Skills on Achievement in Solving Mathematics Problems*
10. **Başaran, M.** [Advisor, 2021], The Scientific and Technological Council of Turkey [TÜBİTAK 2209-A], *Examination of the Effects of Project-Based STEM Activities on Secondary School Students' Mathematics Attitudes and Problem-Solving Skills*
11. **Başaran, M.** [Advisor, 2022], The Scientific and Technological Council of Turkey [TÜBİTAK 2209-A], *Investigation of the Effects of Mathematical Modeling-Based STEAM Activities on Secondary School Students' Mathematical Thinking and Problem-Solving Skills and Mathematics Attitudes*
12. **Başaran, M.** [Türkiye Ambassador, 2014], **Horizon 2020** Europe-European Schoolnet-Scientix 2-European Society for Science and Mathematics [Bruxells, Belgium], **[Budget 3,000,000 €]**
13. **Başaran, M.** [Türkiye Ambassador, 2018], **Horizon 2020** Europe-European Schoolnet-Scientix 3-European Society for Science and Mathematics [Bruxells, Belgium], **[Budget 3,000,000 €]**

14. **Başaran, M.** [Türkiye Ambassador, 2020], **Horizon 2020** Europe -European Schoolnet-*Scientix 4*-European Society for Science and Mathematics [Bruxells, Belgium], [**Budget 3,000,000 €**]
15. **Başaran, M.** [Assistant Staff, 2020], European Union KA203-*Peace Dialogue Campus Network: Developing a Positive Attitude Among Immigrants and Youth of the Host Community*, [Budget 28.000 €]
16. **Başaran, M.** [Leader Teacher, 2015-2021]. *Integrated teaching project: STEM teacher professional development program* from Bahçeşehir Uğur Educational Institutions [Budget 1,478,160TL~\$350,000].
17. **Başaran, M.** [Instructor, 2019], Gaziantep University-Dutch Ministry of Foreign Affairs-*STEM&Maker Teacher Training Program 1*
18. **Başaran, M.** [Instructor, 2018], Gaziantep University-Dutch Ministry of Foreign Affairs-*STEM&Maker Teacher Training Program 2*
19. **Başaran, M.** [Instructor, 2021], United States Embassy-*STREAMitup Project*. [Budget 50.000 €]
20. **Başaran, M.** [Instructor, 2017], East Marmara Development Agency-*The Future Will Come with Us-STEM*
21. **Başaran, M.** [Instructor, 2018], Silkroad Development Agency-*STEM&Maker Teacher Training Program1*
22. **Başaran, M.** [Instructor, 2018], Silkroad Development Agency-*STEM&Maker Teacher Training Program2*
23. **Başaran, M.** [Instructor, 2018], Silkroad Development Agency-*STEM&Maker Teacher Training Program3*
24. **Başaran, M.** [Instructor, 2016-2017]. *Integrated teaching project: STEM Center development program* from the Payas Belediyesi, Hatay, in the amount of [Budget 54,000TL~\$18,000]

Service

Academic Service: Administration

1. **Başaran, M.** [2021*...]. Deputy Director. *Gaziantep Üniversitesi Ölçme ve Değerlendirme Araştırma ve Uygulama Merkezi* – [Gaziantep University Measurement and Evaluation Research and Application Center], *Gaziantep University*.
2. **Başaran, M.** [2018-2022]. Deputy Dean. *School of Education, Gaziantep University Afrin Education Faculty*.

Academic Service: Editorial Membership

1. **Başaran, M.** [2023-2024]. Editorial board member. Guest editor of the special issue on Coding, Computational Thinking, Robotics, and ICT in Early Childhood: Education, Planning, Implementation and Evaluation. *Frontiers in Psychology*
2. **Başaran, M.** [2024*...]. Editorial board member. *Frontiers in Education*
3. **Başaran, M.** [2022]. Guest editor of the special issue on Prof. Dr. Hikmet Yıldırım Celkan. *Gaziantep Üniversitesi Eğitim Bilimleri Dergisi [GAUN-JES]*.
4. **Başaran, M.** [2022*...]. Editor. *International Journal of Trends and Developments in Education [Jtade]*.
5. **Başaran, M.** [2022*...]. Editorial board member. *Journal for the Mathematics Education and Teaching Practices*
6. **Başaran, M.** [2021*...]. Editorial board member. *Psycho-Educational Research Reviews [Perr]*
7. **Başaran, M.** [2019*...]. Editorial board member. *Gaziantep Üniversitesi Eğitim Bilimleri Dergisi [GAUN-JES]*

Academic Service: Committee Membership

1. **Başaran, M.** [2015, May]. Organizing committee member. *V. International TURKCESS Congress of Education and Social Sciences: 21st Century Skills*. Istanbul, Turkey.

Academic Service: Professional Associations as Researcher

1. **Başaran, M.** [2020]. *Report of the Subcommittee on the Orientation of Girls, Particularly to Science, Technology, Engineering and Mathematics*. Ankara: Turkish Grand National Assembly.

Academic Service: Refereeing for Journals

1. Education and Information Technologies
2. Early Childhood Education Journal
3. Evaluation and Program Planning
4. Journal of Computer-Assisted Learning
5. Sage Open
6. MedComm - Future Medicine
7. BMC Psychology
8. Journal of Computer Assisted Learning
9. Interactive Learning Environments
10. Frontiers in Public Health
11. Frontiers in Education
12. Frontiers in Psychology
13. BMC Medical Education
14. Turkish Journal of Education [Turje]
15. OPUS Journal of Society Research
16. Environment and Social Psychology
17. ukurova University Faculty of Education Journal
18. Discover Education
19. Psycho-Educational Research Reviews [Perr]
20. Pedagogical Research
21. The International Journal of Evaluation and Research in Education [IJERE]
22. Kırřehir Eđitim Fakóltesi Dergisi [KEFAD]
23. Eurasia Journal of Mathematics, Science, and Technology Education
24. Pegegog
25. Bođazii University Journal of Education

Services for the Teacher Community: Invited Meetings, in–service Teacher Professional Development Workshops, and anything else that is not peer-reviewed.

1. **Başaran, M.** [2023, March]. *Nahçıvan Devlet Üniversitesi STEM talimi* [Internationally certified STEM training]. The three-day workshop, **Nahçıvan**
2. **Başaran, M.** [2023, March]. *Azerbaycan Petrol Üniversitesi STEM ve Girişimcilik talimi* [Internationally certified STEM training]. Three-day workshop, **Baku, Azerbaijan.**
3. **Başaran, M.** [2022, August]. *TEDX: Principles and Methods of Teaching-STEM Education*. Private Gaziantep College Foundation Schools, **Gaziantep, Turkey.**
4. **Başaran, M.** [2022, March]. *Technology Supported Education*. Gaziantep İl Milli Eğitim Müdürlüğü, **Gaziantep, Turkey**
5. **Başaran, M.** [2021, December]. *Project Writing Training*. Gaziantep İl Milli Eğitim Müdürlüğü, **Gaziantep, Turkey**
6. **Başaran, M.** [2019, August]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Diyarbakır Nesibe Aydın Schools, **Gaziantep, Turkey.**
7. **Başaran, M.** [2019, August]. *Principles and Methods of Teaching-STEM Education*. Private Gaziantep College Foundation Schools, **Gaziantep, Turkey.**
8. **Başaran, M.** [2019, August]. *International Baccalaureate and STEM Education*. Private Gaziantep College Foundation Schools, **Gaziantep, Turkey.**
9. **Başaran, M.** [2019, May]. *STEM eğitiminde öngörüler ve fırsatlar* [Opportunities and forecasts in STEM Education]. Invited presentation at the Bahçeşehir Koleji STEM Day, **Istanbul, Turkey.**
10. **Başaran, M.** [2019, April]. *STEM uygulamaları* [STEM applications and LabStar]. Invited presentation at the Bölgesel STEM Çalıştayı, Gaziantep İl Milli Eğitim Müdürlüğü & Erdem Koleji, **Gaziantep, Turkey.**
11. **Başaran, M.** [2018, September]. *İlkokullar için STEM müfredat programı* [earlySTEM curriculum program]. One-day workshop at Gaziantep İl Milli Eğitim Müdürlüğü, **Gaziantep, Turkey.**
12. **Başaran, M.** [2017, March]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Bahçeşehir Schools, Diyarbakır
13. **Başaran, M.** [2017, March]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Bahçeşehir Schools, Ordu
14. **Başaran, M.** [2017, March]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Uğur Schools, Ünye
15. **Başaran, M.** [2017, January]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Deva Schools, Gaziantep, Turkey.
16. **Başaran, M.** [2017, June]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Seçkin Schools, Gaziantep, Turkey.

17. **Başaran, M.** [2017, September]. *STEM: Tanımlar, amaçlar ve yeni dönem* [STEM: Definitions, goals, and the future]. Invited presentation at the Gaziantep Üniversitesi STEM Eğitimi BAP Projesi, Turkey.
18. **Başaran, M.** [2016, September]. *STEM: Bütünleşik öğretmenlik çerçevesi kapsamında hesaplamalı düşünme* [Computational thinking in the STEM: Integrated Teaching Framework]. Hatay Payas STEM Center, Hatay
19. **Başaran, M.** [2016, November]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Bahçeşehir Schools, Diyarbakır, Turkey.
20. **Başaran, M.** [2016, December]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Uğur Schools, Ünye, Turkey.
21. **Başaran, M.** [2016, January]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Uğur Schools, Ünye, Turkey.
22. **Başaran, M.** [2016, March]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Uğur Schools, İzmir, Turkey.
23. **Başaran, M.** [2016, March]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Uğur Schools, Ünye, Turkey.
24. **Başaran, M.** [2016, May]. *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated Teaching Framework]. Private Bahçeşehir Schools, Diyarbakır, Turkey.

Services for the Teacher Community: Appearances in Mass Media

1. <https://habermerkezi.gantep.edu.tr/?p=69293>
2. <https://telgraf.net/haber/18951060/gaziantep-universitesinde-ogretmenlere-girisimcilik-ve-ste2am-egitimi-verildi>
3. <https://www.gazeterize.com/gaunden-turkiye-geneli-genc-arastirmacilara-onemli-egitim>
4. <https://www.memurlar.net/haber/830622/stem-egitim-modelinde-mus-kayseri-ve-eskisehir-ilk-ucte.html>
5. <https://www.memurlar.net/haber/830622/stem-egitim-modelinde-mus-kayseri-ve-eskisehir-ilk-ucte.html>
6. <https://www.vizyonhavadis.com/haber/gaziantep-universitesi-ste-amegitiminde-girisimcilik-standartlarini-belirliyor-48860.html>
7. <https://gef.gantep.edu.tr/duyuru.php?id=155>
8. <https://www.iha.com.tr/gaziantep-haberleri/-2999719>
9. <https://gef.gantep.edu.tr/etkinlik.php?id=9>
10. <https://www.gaziantepusula.com/haber/10263853/gaunden-onemli-proje>
11. <https://www.referansgazetesi.com.tr/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor>
12. <https://akagev.com/kurumsal>
13. <https://www.tuba.gov.tr/files/images/2019/uygulamalibilim/VII.%20%20Uygulamal%C4%B1%20Bilim%20E%C4%9Fitimi%20Kursu%20Program%C4%B1.pdf>
14. <https://gaziantepgazetesi.com/haber-infinite-haber-devam-17413>
15. <https://www.gaziantep27.net/erasmus-projesinin-italya-toplantisi-gerceklesti>
16. <https://www.gaziantepdogus.com/haber/17231237/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor>
17. https://www5.tbmm.gov.tr/develop/owa/komisyon_tutanaklari.goruntule?pTutanakId=2286
18. <https://www.gaziantepgunes.com/haber/7240664/gaunden-stem-fen-teknoloji-muhendislik-ve-matematik-egitim-modeli-icin-onemli-proje>
19. <https://www.referansgazetesi.com.tr/gaunde-steam-egitiminde-girisimcilik-standartlarini-belirliyor>
20. <https://www.hurriyet.com.tr/yerel-haberler/gaziantep/stem-egitim-calistayi-basladi-40572867>
21. <https://www.gaziantephaber.com/erasmus-projesinin-italya-toplantisi-gerceklesti/14878/>
22. <https://www.siirttesonsoz.com/haber/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor-25997.html>
23. <https://gef.gantep.edu.tr/duyuru.php?id=127>
24. <https://www.gaziantepusula.com/haber/10276770/gaunden-onemli-egitim>
25. <https://www.iha.com.tr/gaziantep-haberleri/-2795828>
26. <https://www.gaziantep27.net/ogretmenlere-girisimcilik-egitimi>
27. <https://babahaber.com/haber/15418826/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor>

28. <https://www.gazeteekspres.com/egitim/gaun-den-arastirmacilara-onemli-egitim-92750>
29. <https://www.memohaber.com/haber/ogretmenlere-Stem-Egitimi-Proje-Tabanlı-ogretim-seminer-46892>
30. <https://www.hisartv.com.tr/haber/gaun-de-ogretmenlere-girisimcilik-ve-steam-egitimi-verildi-3311.html>
31. <https://www.milliyet.com.tr/yerel-haberler/gaziantep/gaziantep-te-stem-egitimleri-suruyor-12591028>
32. <https://gaziantepzaman.com.tr/haber/7240847/gaunden-stem-egitim-modeli-icin-onemli-proje>
33. <https://gaziantepzaman.meb.gov.tr/www/gaziantep-etwinning-bolgesel-calistayi-basladi/icerik/422>
34. <https://www.ayintabgazetesi.com/haber/-6009.html>
35. <https://www.fakultehaber.com/gaziantep-universitesi-egitiminde-turkiyede-ilk-lere-devam/2875/>
36. <https://gaziantepsoz.com/ste%C2%B2am-egitiminde-girisimcilik-standartlarini-gaun-belirliyor.html>
37. <https://gaziantepzaman.com.tr/haber/6135669/gaunden-akademisyen-ve-arastirmacilara-onemli-egitim>
38. <https://habermerkezi.gantep.edu.tr/?p=70830>
39. <https://www.kamu3.com/yurutuculugunu-gaziantep-universitesi-gaun-ogretim-uyesi-dr-mehmet-basar/309132/>
40. <https://habermerkezi.gantep.edu.tr/?p=59873>
41. <https://gef.gantep.edu.tr/duyuru.php?id=105>
42. <https://www.sabah.com.tr/gaziantep/2021/10/15/tubitak-baskanindan-gaune-proje-ziyareti>
43. <https://www.referansgazetesi.com.tr/gaunden-bir-egitim-calismasi-daha>
44. <https://www.megahaber27.com/haber/erasmus-projesinin-italya-toplantisi-gerceklesti-291445.html>
45. <https://www.gaziantephaber.com/cocuklarin-becerilerini-gelistiren-proje-basladi/12821/>
46. <https://www.marasgundem.com.tr/kultur-sanat/ozel-sanko-kolejine-tubitaktan-tesvik-odulu-832466h>
47. <https://www.marasyenigun.com/ozel-sanko-okullari-nin-tubitak-basarisi/2795/>
48. https://www.haberler.com/yerel/ozel-sanko-koleji-ogrencisinin-buyuk-basarisi-7971840-haberi/?ref=amp_more
49. <https://www.karar.com/Istanbul/stem-uygulamasina-avrupadan-odul-1382138>
50. https://habermerkezi.gantep.edu.tr/?attachment_id=71682
51. <https://www.tourismjournal.com.tr/gundem/gaun-erasmus-ka220-hed-projesinin-vilnius-toplantisi-basariyla-tamamlandi-1155610>
52. <https://www.yenicizgihaber.com/egitim/gaun-erasmus-ka220-hed-projesinin-vilnius-toplantisi-basariyla-tamamlandi>

Services for the Teacher Community: YouTube

1. <https://www.youtube.com/watch?v=gTeRrCL1an8>
2. <https://www.youtube.com/watch?v=4g1MfhqAmU&list=Wl&index=1>
3. <https://www.youtube.com/watch?v=BunUxKAgfSs&list=Wl&index=3>

Teaching Activities

Teaching Activities: Courses Offered at Gaziantep University

Σ 2023-2024 Spring

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 500 Araştırma Yöntemleri ve Bilimsel Etik [Research Methods and Scientific Ethics]
- ✓ EB 415 Eğitimde Araştırma Yöntemlerine Giriş [Introduction to Research Methods in Education]
- ✓ GPF 102 Eğitimde Ölçme ve Değerlendirme [Measurement and Evaluation in Education]
- ✓ HBÖ 514 Hayat Boyu Öğrenmede Program Geliştirme [Curriculum Development in Lifelong Learning]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ EFMB 203 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ EFMB 402 Öğretmenlik Uygulaması [School Experience]
- ✓ EFMB 312 STEM ve Robotik Kodlama [STEM and Robotic Coding]
- ✓ HBÖ 565 Yetişkin Eğitimi ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Adult Education and Training]

Σ 2023-2024 Fall

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 500 Araştırma Yöntemleri ve Bilimsel Etik [Research Methods and Scientific Ethics]
- ✓ EPO 505 Eğitim Programları ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Curriculum and Instruction]
- ✓ EB 415 Eğitimde Araştırma Yöntemlerine Giriş [Introduction to Research Methods in Education]
- ✓ EFMB 309 Eğitimde Proje Hazırlama [Project Preparation in Education]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ GPF 103 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ HBÖ 565 Yetişkin Eğitimi ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Adult Education and Training]

Σ 2022-2023 Spring

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 500 Araştırma Yöntemleri ve Bilimsel Etik [Research Methods and Scientific Ethics]
- ✓ EPO 505 Eğitim Programları ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Curriculum and Instruction]
- ✓ EB 524 Eğitim Programlarında 21. yy Becerileri [21st Century Skills in Education Programs]
- ✓ EB 415 Eğitimde Araştırma Yöntemlerine Giriş [Introduction to Research Methods in Education]
- ✓ BÖMB 302 Eğitimde Ölçme ve Değerlendirme [Measurement and Evaluation in Education]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ EFMB 402 Öğretmenlik Uygulaması [School Experience]
- ✓ HBÖ 565 Yetişkin Eğitimi ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Adult Education and Training]

Σ 2022-2023 Fall

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 500 Araştırma Yöntemleri ve Bilimsel Etik [Research Methods and Scientific Ethics]
- ✓ EB 415 Eğitimde Araştırma Yöntemlerine Giriş [Introduction to Research Methods in Education]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ EFMB 203 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ EFMB 401 Öğretmenlik Uygulaması [School Experience]

- ✓ HBÖ 521 Proje Kültürü ve Yönetimi [Project Culture and Management]

Σ 2021-2022 Spring

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 500 Araştırma Yöntemleri ve Bilimsel Etik [Research Methods and Scientific Ethics]
- ✓ EB 415 Eğitimde Araştırma Yöntemlerine Giriş [Introduction to Research Methods in Education]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ EFMB 402 Öğretmenlik Uygulaması [School Experience]
- ✓ GPF 104 Özel Öğretim Yöntemleri [Special Teaching Methods]
- ✓ HBÖ 567 Yetişkin Eğitiminde Teknoloji Kullanımı [Use of Technology in Adult Education]

Σ 2021-2022 Fall

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 574 Eğitim Programları ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Curriculum and Instruction]
- ✓ EB 576 Eğitim Programlarında Değerlendirme [Evaluation in Curriculum & Instruction]
- ✓ GPF 103 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ IPF 301 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ EFMB 401 Öğretmenlik Uygulaması [School Experience]
- ✓ EB 419 Program Geliştirmeye Giriş [Introduction to Curriculum Development]
- ✓ HBÖ 521 Proje Kültürü ve Yönetimi [Project Culture and Management]

Σ 2020-21 Spring

- ✓ EB 500 Araştırma Yöntemleri ve Bilimsel Etik [Research Methods and Scientific Ethics]
- ✓ EFMB 204 Eğitimde Araştırma Yöntemleri [Research Methods in Education]
- ✓ GME 100 Genel ve Mesleki Etik [General and Professional Ethics]
- ✓ GEIS 410 İlköğretimde Bilgisayar Destekli Eğitim [Computer Aided Education in Primary Education]
- ✓ GERP 108 Kaynak Tarama ve Rapor Yazma [Source Scanning and Report Writing]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ GEEB 420 Öğretmenlik Uygulaması [School Experience]
- ✓ EB 543 Proje Tabanlı Öğrenme [Project-Based Learning]
- ✓ HBÖ 567 Yetişkin Eğitiminde Teknoloji Kullanımı [Use of Technology in Adult Education]

Σ 2020-21 Fall

- ✓ YB 508 Araştırma Teknikleri [Research Techniques]
- ✓ EB 509 Nitel Araştırma Teknikleri [Qualitative Research Techniques]
- ✓ IPF 301 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ GEEB 423 Öğretmenlik Uygulaması [School Experience]
- ✓ EB 419 Program Geliştirmeye Giriş [Introduction to Curriculum Development]
- ✓ EB 525 Uzaktan Eğitimde Öğretim Tasarımı: Kuram, Araştırma ve Uygulama [Instructional Design in Distance Education: Theory, Research and Practice]

Σ 2019-20 Spring

- ✓ EB 574 Eğitim Programları ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Curriculum and Instruction]
- ✓ EB 595 Eğitimde Program Geliştirme ve Değerlendirme [Curriculum Development and Evaluation in Education]
- ✓ EB 413 Eğitimin Esasları [Fundamentals of Education]

- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ GEED 420 Öğretmenlik Uygulaması [School Experience]
- ✓ PDR 208 Yetişkin Eğitimi ve Hayat Boyu Öğrenme [Adult Education and Lifelong Learning]

Σ **2019-20 Fall**

- ✓ EFMB 201 Öğretim Teknolojileri [Instructional Technologies]
- ✓ IPF 301 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ EB 413 Eğitimin Esasları [Fundamentals of Education]
- ✓ EB 574 Eğitim Programları ve Öğretimde Çağdaş Gelişmeler [Contemporary Developments in Curriculum and Instruction]
- ✓ EFMB 205 Açık ve Uzaktan Öğrenme [Open and Distance Learning]

Σ **2018-19 Fall**

- ✓ IPF 301 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]
- ✓ IPF 403 Ölçme ve Değerlendirme

Teaching Activities: Courses Offered at Hasan Kalyoncu University [Instruction in English]

Σ **2022-2023 Fall**

- ✓ MB005 Öğretim Teknolojileri [Instructional Technologies]
- ✓ MB006 Öğretim İlke ve Yöntemleri [Teaching Principles and Methods]

Graduate Students: Supervisor [Committee Chair or CoChair]²

1. *Kalyenci Damla, [2021]. *Evaluation of Coding Skills in Early Childhood Period -Test Development*, Hasan Kalyoncu University, Institute of Social Sciences, Department of Preschool Education.
2. *Özdemir Oğuzhan, [2021]. *Evaluation of Information Technologies and Software Course Curriculum According to Teacher Opinions*, Gaziantep University, Educational Sciences, Curriculum & Instruction.
3. *Kara Veysel, [2022]. *Investigation of the Attitudes of Primary School Teachers Towards Refugee Students*, Gaziantep University, Educational Sciences, Curriculum & Instruction.
4. *Dörtok Gür Damla Hatice, [2022]. *Social Skills Education: A Review of Literature*, Gaziantep University, Educational Sciences, Curriculum & Instruction.
5. *İlter Merve, [2022]. *Investigation of the Relationship between Teachers' Inquiry-Based Teaching Self-Efficacy For STEM+S and Their Computational Thinking Skills*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
6. *Durucu Sonay Ayşe, [2022]. *Investigation of the Relationship between Teachers' Inquiry-based Teaching Self-Efficacy for STEM+S and Teaching 21st Century Skills*. Gaziantep University, Educational Sciences, Curriculum, and Instruction.
7. *Ulutaş Adem, [2022]. *Distance Education Practices in Turkey and the Relationship between Teachers' Attitudes Towards Distance Education and their Digital Literacy*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
8. *Candan Feyza, [2022]. *A Meta-Thematic Analysis of Using Technology-Mediated Gamification Tools in the Learning Process: The Example of "Kaboot!"*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
9. *Taşkın Mehmet, [2023]. *Meta-Thematic Analysis of Robotics and Coding Education*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
10. Tiryaki Ahmet, [2024]. *Examining the Implicit Program in Imam Hatip Girls Secondary School According to Teachers' Views*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
11. *Yaman Mehmet, [2024]. *Investigation of Teachers' Views on the Use of Artificial Intelligence in Education*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
12. Tiryaki Esra, [2024]. *Meta-Thematic Analysis of Using Creative Drama Method in Language Teaching*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
13. Tüter Melike, [2024]. *Teachers' Views on the Skills Required in Solving LGS Turkish Lesson Skill-Based Questions*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
14. Çelik Nurdan, [2024]. *Preschool Educators' Knowledge Level on ChatGPT and Their Usage of AI*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
15. *Erdem Tuğba, [2024]. *Meta-Thematic Analysis on the Effectiveness of Out-Of-School Learning Environments*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
16. Yağlı Denizhan, [2025]. *Development of Assessment Test for Preschool Teachers' Coding and Computational Thinking Skills*. Gaziantep University, Educational Sciences, Curriculum & Instruction.

17. Er Fatma Tuba, [2025]. *Assessment of Computational Thinking Skills of IB and Non-IB Students: A Scale Development Study*. Gaziantep University, Educational Sciences, Curriculum & Instruction.
18. Saygın Merve, [2025]. *Meta-analysis and Meta-Thematic Analysis of Task-based Teaching Practices*. Gaziantep University, Educational Sciences, Curriculum & Instruction.

Doctoral Fellows [Committee Chair, Committee Member or CoChair]²

1. Nafiye Nur Meşe. [2024]. *Examining The Relationship Between English Teachers' Professionalization Levels and Professional Learning: A Mixed Methods Research* [Ph.D. in Curriculum & Instruction, Gaziantep University]
2. Cennet Tandırcı. [Ph.D. in Curriculum & Instruction, Gaziantep University]*...
3. Feyza Candan. [Ph.D. in Curriculum & Instruction, Gaziantep University]*...
4. Kübra Nur Işık. [Ph.D. in Curriculum & Instruction, Gaziantep University]*...
5. Selma Vural. [Ph.D. in Curriculum & Instruction, Gaziantep University]*...
6. Serpil Deniz. [Ph.D. in Curriculum & Instruction, Gaziantep University]*...
7. Damla Kalyenci. [Ph.D. in Preschool Education, Hasan Kalyoncu University]*...
8. Mehmet Ayhan. [Ph.D. in Preschool Education, Hasan Kalyoncu University]*...

² * if published as a journal article