

Mehmet Başaran

Associate Professor (Doç. Dr.)
Curriculum & Instruction | STEM Education | Educational
Technology | AI in Education
Gaziantep University, Faculty of Education

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ORCID: 0000-0003-1871-520X
Google Scholar: h-16 | 1,328 citations | i10-26
Scopus: 89 citations [h-7]
Web of Science: 69 citations [h-6]


RESEARCH FOCUS

STEM Education • Program Development • Teacher Education • International Schools • Meta-Thematic Analysis • Artificial Intelligence in Education • Early Childhood Education • Computational Thinking & Coding

ACADEMIC PROFILE AT A GLANCE

50+10 [in review] Peer-Reviewed Articles	h-16 Google Scholar h-index	1,328 Total Citations	16+6 [in press] Book Chapters
5 Edited Books	41 Projects	18 M.S. Theses Supervised	11+ Ph.D. Students Supervised

EDUCATION

2024–2025		Postdoctoral Fellow University of Minnesota, USA STEM Education Center — Learning and Environmental Sciences. Chair: Prof. Dr. Gillian Roehrig
2014–2018		Ph.D. Curriculum & Instruction Gaziantep University, Turkey Dissertation: The Applicability of STEM Approach in Preschool Education [Action Research]. Chair: Prof. Dr. Erdal Bay
2011–2013		M.S. Curriculum & Instruction (with Teaching Certificate) Bilkent University, Turkey 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
2013 5 Weeks		PGCE Secondary Mathematics University of Cambridge, England Faculty of Education — January–March 2013 (Part of M.S. programme at Bilkent University)
2023*		B.S. Computer Engineering (in progress) Gibtu University, Turkey
2009–2013		B.A. Economics Anadolu University, Turkey
2006–2011		B.S. Mathematics Hacettepe University, Turkey
2006		High School Diploma Fitnat Nuri Tekerekoğlu Anadolu Lisesi, Turkey

ACADEMIC EXPERIENCE

2024–2025	Visiting Professor	University of Minnesota — STEM Education Center, USA
2022–present	Associate Professor	Gaziantep University, Faculty of Education, Curriculum & Instruction
2019–2022	Assistant Professor	Gaziantep University, Faculty of Education, Curriculum & Instruction
2015–2019	Instructor	Gaziantep University, Rectorate
2012–2015	Mathematics Teacher	Private SANKO Science and Technology High School, Gaziantep
2022 (Fall)	Visiting Professor	Hasan Kalyoncu University, Faculty of Education (English Teacher Education)
2022 (Summer)	Visiting Professor	Zielona Gora University, Faculty of Education, Poland
2022 (Summer)	Visiting Professor	Jordan University, Faculty of Education, Jordan

SCHOOL TEACHING EXPERIENCE

2012–2015	Mathematics Teacher	Private SANKO Science and Technology High School, Gaziantep
2013	Mathematics Teacher (Internship)	St. Edmund's School, Canterbury, England
		Linton Village College, Cambridge, England
		TED Foundation High School, Ankara
		VKV Koç High School, Istanbul
		Bilkent Laboratory and International Schools (BLIS), Ankara
		IDV Private Bilkent High School, Ankara
		IDV Private Bilkent Primary School, Ankara

AWARDS & RECOGNITION

2025	Best Presentation Award	Teknofest — Onco-AI, 3T Competition in Oncology
2023	Science Award — Social Sciences	Gaziantep University — Maximum Incentive Points
2015	1 st Place — Student Research Projects (as consultant)	TÜBİTAK Secondary School Research Competition, Turkey
2014	4 th Place — Student Research Projects (as consultant)	TÜBİTAK Secondary School Research Competition, Turkey

CERTIFICATES

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

GRANTS & PROJECTS

As Project Coordinator

2022–2025	European Union, Erasmus+ KA220-HED — Defining Standards in STE ² AM (Entrepreneurship) Education	€250,000	Coordinator
2024–2025	TÜBİTAK 2219 — Computational Thinking Education in the Preschool Period: A Global Perspective and Innovative Modeling Study	\$32,000	Coordinator
2021–2022	TÜBİTAK 4004 — In the Village STEM-2, Science and Society	~€7,000	Coordinator
2021	TÜBİTAK 2237-A — Errors and Solution Suggestions in Qualitative Research (17–21 May 2021)	~€7,000	Coordinator
2021	TÜBİTAK 2237-A — Errors and Solutions in Qualitative Research-2 (4–8 Oct 2021)	~€7,000	Coordinator
2022	European Union KA152 — Social Integration of Disabled People: A Youth Awareness Movement Project (21–30 May 2022)	~€35,000	Coordinator

As Researcher / Investigator

2024	EU KA220-YOU — Professional Roadmap and Opportunities for Sustainable Participation in E-sports for The Youth	€250,000	Researcher
2024–2025	TÜBİTAK 4005 — Nuclear Sciences School 2	~€10,000	Researcher
2023	TÜBİTAK 1001 — Development of Computational Thinking and Coding Skills Education Model Based on Understanding Approach through Design in Preschool	€52,000	Researcher
2022–2023	TÜBİTAK 4004 — Technological and Innovative Content Development Applications for Mathematics Education	~€7,000	Researcher
2022	TÜBİTAK 4005 — Nuclear Sciences School for Science Teachers	~€7,000	Researcher
2021–2022	TÜBİTAK 4005 — Teachers at Science and Art Centers: School of Nuclear Sciences for Science Teachers	~€7,000	Researcher
2018–2019	TÜBİTAK 4004 — Computerless Coding in Preschool Education	~€7,000	Researcher
2018–2019	TÜBİTAK 4004 — STEM, Science and Society in the Village	—	Researcher
2022	BAP TF.ALT.21.34 — Augmented Reality Applications in Medical Education, Gaziantep University	~€35,000	Researcher
2017	Gaziantep University BAP — In-Service Training Curriculum for Science and Mathematics Teachers with STEM Approach	~\$4,500	Investigator
2022	United States Embassy — STREAMitup 2 Project	\$50,000	Researcher
2020	Ayeum — Researcher Educational Development and Online Learning Environment and System Design	—	Researcher
2022–2023	Manisa Teknokent — New Generation Learning Systems Design	—	Researcher

Other Roles (Instructor, Advisor, Ambassador)

2025–2026	TÜBİTAK 4005 — Qualified Mathematical Activity Design and Implementation Training with Activity Evaluation and Feedback Tool (Edga)	Instructor
2024–2025	TÜBİTAK 4004 — Disasters, Nature and Human; Being Ready and Surviving	Instructor
2022–2023	TÜBİTAK 4004 — STREAM-Based Mathematics Education with Multidisciplinary Methods	Instructor
2018–2019	TÜBİTAK 4007 — Gazi City is Celebrating Science	Instructor
2019–2021	TÜBİTAK 4004 — Gaziantep Science, Art, and Technology Festival	Instructor
2024	TÜBİTAK 2209-A — AI Supported Mathematics Education: Investigating Khan Academy AI on Student Achievement	Advisor
2024	TÜBİTAK 2209-A — Text Analysis with Translation Literature in Teaching Turkish Dialects to Turkish Origin Students	Advisor
2024	TÜBİTAK 2209-A — Effect of Storytelling Method in Teaching Mathematics to Visually Impaired Secondary School Students	Advisor
2024	TÜBİTAK 2209-A — Effect of Achievement in Four Language Skills on Solving Mathematics Problems	Advisor
2021	TÜBİTAK 2209-A — Effects of Project-Based STEM Activities on Secondary School Students' Mathematics Attitudes and Problem-Solving Skills	Advisor
2022	TÜBİTAK 2209-A — Effects of Mathematical Modeling-Based STEAM Activities on Mathematical Thinking and Problem-Solving Skills	Advisor
2014	Horizon 2020 — European Schoolnet Scientix 2, European Society for Science and Mathematics, Brussels, Belgium	Türkiye Ambassador

2018	Horizon 2020 — European Schoolnet Scientix 3, Brussels, Belgium	Türkiye Ambassador
2020	Horizon 2020 — European Schoolnet Scientix 4, Brussels, Belgium	Türkiye Ambassador
2020	EU KA203 — Peace Dialogue Campus Network: Developing a Positive Attitude Among Immigrants and Youth of the Host Community	Assistant Staff
2015-2021	Bahçeşehir Uğur Educational Institutions — Integrated STEM Teacher Professional Development Program	Leader Teacher
2019	Gaziantep University-Dutch Ministry of Foreign Affairs — STEM&Maker Teacher Training Program 1	Instructor
2018	Gaziantep University-Dutch Ministry of Foreign Affairs — STEM&Maker Teacher Training Program 2	Instructor
2021	United States Embassy — STREAMitup Project	Instructor
2017	East Marmara Development Agency — The Future Will Come with Us-STEM	Instructor
2018	Silkroad Development Agency — STEM&Maker Teacher Training Program 1	Instructor
2018	Silkroad Development Agency — STEM&Maker Teacher Training Program 2	Instructor
2018	Silkroad Development Agency — STEM&Maker Teacher Training Program 3	Instructor
2016-2017	Payas Belediyesi, Hatay — Integrated STEM Center Development Program	Instructor

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, Ö. F., Başaran, M., Demirtaş, Z., Karamanlı, A. R., & Bayrakçı, C. (2022). Students' 'COVID-19' and 'school' perceptions in the pandemic. *Frontiers in Psychology*, 13, Article 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., & Vural, Ö. M. (2025). Perception of teachers towards STEAM and inquiry-based teaching after STEAM activities training. *SAGE Open*. [SSCI-Q1]
12. Başaran, M., Tandırcı, C., & Vural, Ö. M. (2025). Assessing AI in educational evaluation: A comprehensive analysis of ChatGPT's performance on PISA reading skills. *Technology, Knowledge and Learning*. [ESCI-Q1]
13. Batdı, V., Başaran, M., Roehrig, G. H., & Yağlı, D. (2025). Integrating engineering design in secondary education: A mixed meta method on enhancing 21st-century skills. [ESCI-Q1]
14. Metin, Ş., Akgül, E., Başaran, M., Özbay, Y., Yıldırım Seheryeli, M., Kalyenci, Z. D., & Özcan, M. (2026). Engineering design test in early childhood: A validity and reliability study. *International Journal of Technology and Design Education*. Advance online publication. [SSCI-Q1]
15. Başaran, M., Metin, Ş., & Vural, Ö. M. (202X). Unveiling the landscape of project-based learning in early childhood: Insights from meta-thematic analysis. Manuscript submitted for publication. [SSCI-Q1 – in review]
16. 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. Manuscript submitted for publication. [SSCI-Q1 – in review]
17. Başaran, M., Akşab, H. V., & Kaya, Z. (202X). Artificial intelligence in English language teaching: A qualitatively supported meta-thematic analysis of teachers' perceptions. Manuscript submitted for publication. [SSCI-Q1 – in review]
18. Başaran, M., & Candan, F. (202X). Augmented reality [AR] in medical education: A comprehensive meta-thematic analysis of educational benefits and implementation challenges. Manuscript submitted for publication. [SSCI-Q2 – in review]
19. Taşkın, M., & Başaran, M. (202X). Exploring the impact of robotics and coding education on cognitive development and problem-solving skills. Manuscript submitted for publication. [SSCI-Q1 – in review]
20. 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. Manuscript submitted for publication. [SSCI-Q1 – in review]
21. 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. Manuscript submitted for publication. [SSCI-Q1 – in review]
22. Batdı, V., Başaran, M., & Candan, F. (202X). Investigation of artificial intelligence-supported language teaching with mixed-meta method. Manuscript submitted for publication. [SSCI-Q1 – in review]
23. Başaran, M., & Erdem, T. (202X). Effectiveness of out-of-school learning environments: A meta-thematic review of cognitive, effective, and social contributions. Manuscript submitted for publication. [SSCI-Q1 – in review]
24. Metin, Ş., Başaran, M., Batu, K., Akgül, E., & Kalyenci, D. (202X). Development of preschool teachers' competence scale for teaching computational thinking skills (PTCS-CT): Validity and reliability study. Manuscript submitted for publication. [SSCI-Q1 – in review]
25. Yaman, M., & Başaran, M. (2025). 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. Manuscript submitted for publication. **[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., & İter, M. (2023). Investigation of the relationship between teachers' inquiry-based teaching self-efficacy 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*. **[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*. **[ERIC]**
31. Yıldırım, İ., Başaran, M., Cücük, 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*. **[ERIC]**
33. Başaran, M., Dursun, B., Gür Dörtok, H. D., & Yılmaz, G. (2020). Evaluation of preschool education program according to CIPP model. *Pedagogical Research*. **[ERIC]**
34. Başaran, M., Özdemir, O., & Can, S. (2020). The 8th-grade English curriculum evaluated according to the context, input, process, and product [CIPP] model. *E-International Journal of Educational Research*. **[H. W. Wilson]**
35. Vural, Ö. F., Altıparmak, E., Aras, S. E., & Başaran, M. (2022). Analysis of high school students' perceptions of school in the Covid-19 process through metaphors. *Ahi 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), Article em0135. **[ERIC]**
38. Durucu, A. S., & 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, Ş., 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 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., Cücük, 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 İteriş, 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, İ., 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), 241–253. **[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*, 2(1), 232–256. **[Index Copernicus]**

52. Bařaran, M., Dođan, E., Karaođlu, E., & řahin, E. (2020). A study on the effectiveness of distance education resulted from the coronavirus [Covid-19] pandemic process. *Academia Journal of Educational Research*, 5(2), 179–209. [Asos]
53. Bařaran, 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. Bařaran, M., Öztař, 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., & Bařaran, 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., Bařaran, M., Özkan, Ç., Orhan, N., & Ortođlu, 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., & Bařaran, M. (2021). Solution proposals for high school students' problems in spelling and punctuation: Student and teacher views. *Anatolian Turk Education Journal*, 3(1), 109–137. [Asos]
58. Bařaran, M., İltter, M., Alemdar, M., & Vural, O. 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., & Bařaran, M. (2022). Examination of studies on social skills training. *Journal of Interdisciplinary Educational Research*, 6(13), 328–352. [Asos]
60. Vural, Ö. F., & Bařaran, 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. Alacacı, C., Özalp, G., Başaran, M., & Kalender, İ. (2014). Mathematical Knowledge and Skills Expected by Higher Education: Implications for Curriculum Design and Textbook Content. In Jones, K., Bokhove, C., Howson, G., & Fan, L. (Eds.), *Proceedings of the International Conference on Mathematics Textbook Research and Development* (pp. 115–120). Southampton, GB: University of Southampton.
2. Bağceci, 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 University, Gaziantep, Turkey.
3. Başaran, M., Yokuş, E., Cüçük, 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 (pp. 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, Pamukkale University, Denizli, Turkey.
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, Selçuk University, Rome, Italy.
6. Yıldırım, İ., Cüçük, 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, Selçuk University, Rome, Italy.
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, Czech Technical University, Prague, Czech Republic.
8. Başaran, M., Özyurt, 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 Sıtkı Koçman University, Muğla, Turkey.
9. Başaran, M. & Bay, E. (2018). The Processes and the Steps of a STEM Teacher Training Program for a Pre-School Education Institution. 27th International Educational Sciences Congress (pp. 583–586), Atatürk University, Antalya, Turkey.
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 (pp. 545–548), Atatürk University, Antalya, Turkey.
11. Başaran, M. (2018). Evaluation of the Relationship between Academic Success and Course Study Habits of Secondary School Students. 27th International Educational Sciences Congress (pp. 399–402), Atatürk University, Antalya, Turkey.
12. Başaran, M. & Bay, E. (2018). A Qualitative Evaluation about the Teacher Metaphorical Perceptions of STEM. 27th International Educational Sciences Congress (pp. 396–398), Atatürk University, Antalya, Turkey.
13. Cüçük, 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, Czech Technical University, Prague, Czech Republic.
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, Yıldız Technical University, Istanbul, Turkey.
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., Özyurt, 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, Burdur Mehmet Akif Ersoy University, Burdur, Turkey.
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 University, Gaziantep, Turkey.
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, Harran University, Şanlıurfa, Turkey.
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 Mehmet Akif Ersoy University, Burdur, Turkey.

21. Kalyenci, D., Metin, Ş., & Başaran, M. (2021). Test for Assessing Coding Skills in Early Childhood Period. II. International Congress of Pedagogical Research, University Utara Malaysia & Octagon Education Consultancy, Malaysia.
22. Başaran, M., Vural, Ö. F., Fet, E. Y., 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, T. N. (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, Faculty of Education, Spain.

EDITED BOOKS

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

BOOK CHAPTERS (22 TOTAL)

1. Başaran, M. & Bay, E. (2020). STEM Approach in Early Childhood Science Education. In G. Uludağ (Ed.), Science Education in Early Childhood — 'The Child's Journey of Discovery' (pp. 253–284). Nobel, Ankara.
2. Başaran, M. (2020). Use of Technology. In R. Kahramanoğlu (Ed.), Effective Teaching Strategies. Pegem, Ankara.
3. Başaran, M. (2021). STEM as an Educational Model. In İ. Yıldırım (Ed.), Technology Supported Instruction. Nobel, Ankara.
4. Doğan, E. & Başaran, M. (2021). STEM Education Model. In M. Başaran & Ö. F. Vural (Eds.), Current Developments in Education. Pegem, Ankara.
5. Başaran, M. & Kaya, Z. (2021). Waldorf Approach. In M. Başaran & Ö. F. Vural (Eds.), Current Developments in Education. Pegem, Ankara.
6. Başaran, M. (2020). STEM as an Educational Model. In E. Bay (Ed.), Report of the Subcommittee on the Orientation of Girls, Particularly to Science, Technology, Engineering and Mathematics. Turkish Grand National Assembly, Ankara.
7. Yılmaz, Ö. & Başaran, M. (2022). Intelligence, Creativity, and Wisdom in Adulthood and Old Age. In M. Başaran & Ö. F. Vural (Eds.), Adult Development and Learning. Education Publishing House, Ankara.
8. Avcı, Ş. & Başaran, M. (2022). Attention and Memory in Adulthood and Old Age. In M. Başaran & Ö. F. Vural (Eds.), Adult Development and Learning. Education Publishing House, Ankara.
9. Başaran, M. (2023). 21st Century Learning Skills in School Development. In M. Taşdan, R. Tösten, & M. Baş (Eds.), School Development Studies from Theory to Practice. Nobel, Ankara.
10. Başaran, M. (2023). Social Media [Tweet Analysis]. In E. Bay & R. Kahramanoğlu (Eds.), Analysis of Generation Z Ethosphere System [Understanding Generation Z]. Gazi Kültür, Gaziantep.
11. Başaran, M. (2023). Phenomenon Analysis. In E. Bay & R. Kahramanoğlu (Eds.), Analysis of Generation Z Ethosphere System [Understanding Generation Z]. Gazi Kültür, Gaziantep.
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, Ankara.
13. Başaran, M., Batdı, V., Talan, T., Çakmak, F., & Doğan, Y. (2021). Unplugged coding applications. In V. Batdı & Y. Doğan (Eds.), Exploring the nexus of education, language and technology in the 21st century (pp. 161–180). Nova Science Publisher.
14. Candan, F. & Başaran, M. (2025). Education of the Future: Industry 4.0 and Transformation in Education. In M. Başaran & E. Hatzikraniotis (Eds.), Defining Standards in STE²AM (Entrepreneurship) Education. Nova Science Publisher. [in press]
15. Candan, F. & Başaran, M. (2025). Computational Thinking. In M. Başaran & E. Hatzikraniotis (Eds.), Defining Standards in STE²AM (Entrepreneurship) Education. Nova Science Publisher. [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. In M. Başaran & E. Hatzikraniotis (Eds.), Defining Standards in STE²AM (Entrepreneurship) Education. Nova Science Publisher. [in press]
17. Başaran, M., Er, F. T., & Yağlı, D. (2025). STEAM+E: STEAM and Entrepreneurship in Education. In M. Başaran & E. Hatzikraniotis (Eds.), Defining Standards in STE²AM (Entrepreneurship) Education. Nova Science Publisher. [in press]
18. Başaran, M. & Hatzikraniotis, E. (2025). Standards for STE²AM Education. In M. Başaran & E. Hatzikraniotis (Eds.), Defining Standards in STE²AM (Entrepreneurship) Education. Nova Science Publisher. [in press]
19. Başaran, M. (2025). Children Learning Technology. In A. İ. Can Gözüm (Ed.), Technology in the Construction of Childhood: Building Blocks — Learning Process — Family. Pegem, Ankara. [in press]
20. Candan, F. & Başaran, M. (2025). Inclusive Solutions from Perplexity.AI: Literature Review to Data Analysis in Qualitative Research. In V. Batdı & M. Başaran (Eds.), Artificial Intelligence Tools in Qualitative Research I. Nobel, Ankara.
21. Yağlı, D. & Başaran, M. (2025). Revolutionizing Academic Writing with Quillbot: The Power of Paraphrase. In V. Batdı & M. Başaran (Eds.), Artificial Intelligence Tools in Qualitative Research I. Nobel, Ankara.
22. Er, F. T. & Başaran, M. (2025). Artificial Intelligence in Education: Grammarly's Role in Academic Writing. In V. Batdı & M. Başaran (Eds.), Artificial Intelligence Tools in Qualitative Research I. Nobel, Ankara.

Master's Theses (18 total | * published as journal article)

1. *Kalyenci, D. (2021). Evaluation of Coding Skills in Early Childhood Period — Test Development. Hasan Kalyoncu University, Institute of Social Sciences, Preschool Education.
2. *Özdemir, O. (2021). Evaluation of Information Technologies and Software Course Curriculum According to Teacher Opinions. Gaziantep University, Educational Sciences, Curriculum & Instruction.
3. *Kara, V. (2022). Investigation of the Attitudes of Primary School Teachers Towards Refugee Students. Gaziantep University, Educational Sciences, Curriculum & Instruction.
4. *Dörtok Gür, D. H. (2022). Social Skills Education: A Review of Literature. Gaziantep University, Educational Sciences, Curriculum & Instruction.
5. *İlter, M. (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, A. (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 & Instruction.
7. *Ulutaş, A. (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, F. (2022). A Meta-Thematic Analysis of Using Technology-Mediated Gamification Tools in the Learning Process: The Example of 'Kahoot!'. Gaziantep University, Educational Sciences, Curriculum & Instruction.
9. *Taşkın, M. (2023). Meta-Thematic Analysis of Robotics and Coding Education. Gaziantep University, Educational Sciences, Curriculum & Instruction.
10. Tiryaki, A. (2024). Examining the Implicit Program in Imam Hatip Girls Secondary School According to Teachers' Views. Gaziantep University, Educational Sciences, Curriculum & Instruction.
11. *Yaman, M. (2024). Investigation of Teachers' Views on the Use of Artificial Intelligence in Education. Gaziantep University, Educational Sciences, Curriculum & Instruction.
12. Tiryaki, E. (2024). Meta-Thematic Analysis of Using Creative Drama Method in Language Teaching. Gaziantep University, Educational Sciences, Curriculum & Instruction.
13. Tüter, M. (2024). Teachers' Views on the Skills Required in Solving LGS Turkish Lesson Skill-Based Questions. Gaziantep University, Educational Sciences, Curriculum & Instruction.
14. Çelik, N. (2024). Preschool Educators' Knowledge Level on ChatGPT and Their Usage of AI. Gaziantep University, Educational Sciences, Curriculum & Instruction.
15. *Erdem, T. (2024). Meta-Thematic Analysis on the Effectiveness of Out-Of-School Learning Environments. Gaziantep University, Educational Sciences, Curriculum & Instruction.
16. Yağlı, D. (2025). Development of Assessment Test for Preschool Teachers' Coding and Computational Thinking Skills. Gaziantep University, Educational Sciences, Curriculum & Instruction.
17. Er, F. T. (202X). Assessment of Computational Thinking Skills of IB and Non-IB Students: A Scale Development Study. Gaziantep University, Educational Sciences, Curriculum & Instruction.
18. Saygın, M. (2025). Meta-analysis and Meta-Thematic Analysis of Task-based Teaching Practices. Gaziantep University, Educational Sciences, Curriculum & Instruction.

Doctoral Dissertations (11+ students)

1. *Kalyenci, D. (2025). Effect of Design-Based Computational Thinking Educational Model on Executive Function and Self-Regulation Skills of Preschool Children. Ph.D. in Preschool Education, Hasan Kalyoncu University. [Supervisor, completed]
2. Ayhan, M. Ph.D. in Preschool Education, Hasan Kalyoncu University. [Supervisor, ongoing]
3. Tandırcı, C. Ph.D. in Curriculum & Instruction, Gaziantep University. [Supervisor, ongoing]
4. Candan, F. Ph.D. in Curriculum & Instruction, Gaziantep University. [Supervisor, ongoing]
5. Can, E. Ph.D. in Curriculum & Instruction, Gaziantep University. [Supervisor, ongoing]
6. Vural, S. Ph.D. in Curriculum & Instruction, Gaziantep University. [Supervisor, ongoing]
7. Meşe, N. N. (2024). Examining The Relationship Between English Teachers' Professionalization Levels and Professional Learning: A Mixed Methods Research. Ph.D. in Curriculum & Instruction, Gaziantep University. [Committee member]
8. Hamidi, N. (2024). Meta-Thematic Analysis of Studies on Micro Teaching Techniques for Prospective Teachers. Ph.D. in Curriculum & Instruction, Dicle University. [Committee member]
9. Dağlı, İ. Ç. (2024). The Relationship Between Strategic Leadership Behaviors and Change Management Abilities of School Administrators in International Baccalaureate Schools in Türkiye. Ph.D. in Curriculum & Instruction, Dokuz Eylül University. [Committee member]
10. Işık, K. N. Ph.D. in Curriculum & Instruction, Gaziantep University. [Committee member, ongoing]
11. Deniz, S. (2025). Evaluation of Artificial Intelligence Applications in Education: A Mixed-Meta Study. Ph.D. in Curriculum & Instruction, Gaziantep University. [Supervisor, completed]

Editorial Memberships

- 1.Editor-in-Chief: International Journal of Trends and Developments in Education (JTADE), 2022–present
- 2.Editorial Board: Frontiers in Education, 2024–present
- 3.Guest Editor (Special Issue — Coding, CT, Robotics, ICT in Early Childhood): Frontiers in Psychology, 2023–2024
- 4.Guest Editor (Special Issue — Prof. Dr. Hikmet Yıldırım Celkan): Gaziantep University Journal of Educational Sciences (GAUN-JES), 2022
- 5.Editorial Board: Journal for the Mathematics Education and Teaching Practices, 2022–present
- 6.Editorial Board: Psycho-Educational Research Reviews (PERR), 2021–present
- 7.Editorial Board: Gaziantep University Journal of Educational Sciences (GAUN-JES), 2019–present

Ad-hoc Reviewer for 40+ Journals (including)

- 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.Interactive Learning Environments
- 9.Frontiers in Public Health
- 10.Frontiers in Education
- 11.Frontiers in Psychology
- 12.BMC Medical Education
- 13.Turkish Journal of Education (TURJE)
- 14.OPUS Journal of Society Research
- 15.Environment and Social Psychology
- 16.Çukurova University Faculty of Education Journal
- 17.Discover Education
- 18.Psycho-Educational Research Reviews (PERR)
- 19.Pedagogical Research
- 20.International Journal of Evaluation and Research in Education (IJERE)
- 21.Kırşehir Eğitim Fakültesi Dergisi (KEFAD)
- 22.Eurasia Journal of Mathematics, Science, and Technology Education
- 23.Pegegog
- 24.Boğaziçi University Journal of Education
- 25.Journal of History School
- 26.Education Sciences
- 27.Curriculum Journal
- 28.Educational Gerontology
- 29.European Early Childhood Education Research Journal
- 30.European Journal of Education
- 31.European Journal of Science and Mathematics Education
- 32.International Online Journal of Primary Education
- 33.Journal of Education for Teaching
- 34.Journal of Qualitative Research in Education
- 35.Medical Teacher
- 36.Qualitative Research in Education
- 37.Science Activities: Classroom Projects and Curriculum Ideas
- 38.Yaşam Becerileri Psikoloji Dergisi
- 39.E-Kafkas Eğitim Araştırmaları Dergisi
- 40.Journal of Industrial Textiles

Administrative Service

- 1.Deputy Director — Gaziantep University Measurement & Evaluation Research and Application Center (2021–present)
- 2.Deputy Dean — Gaziantep University Afrin Education Faculty (2018–2022)
- 3.Member — Turkish Grand National Assembly Subcommittee on Orientation of Girls to STEM (2020)
- 4.Organizing Committee Member — V. International TURKCESS Congress on Education and Social Sciences: 21st Century Skills, Istanbul (2015)

COURSES TAUGHT

No	Academic Year	Term	Course Code	Course Name (EN)	Credits	ECTS	Faculty / Institute	Programmes	Total Enrollment
1	2018-2019	Fall	İPF301	Teaching Principles and Methods	2	2	Faculty of Theology	Theology (day) Theology (evening)	155
2			İPF403	Measurement and Evaluation	2	2	Faculty of Theology	Theology (day) Theology (evening)	293
3	2019-2020	Fall	EB413	Foundations of Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	3
4			EB574	Contemporary Developments in Curriculum & Instruction	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening) Curriculum & Instruction (M.S.)	50
5			EFMB201	Instructional Technologies	2	3	Faculty of Education	Primary Teaching Turkish Teaching English Teaching	185
6			EFMB205	Open and Distance Learning	2	4	Faculty of Education	Primary Teaching English Teaching	110
7			İPF301	Teaching Principles and Methods	2	2	Faculty of Theology	Theology (day) Theology (evening)	178
8	2019-2020	Spring	EB413	Foundations of Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	2
9			EB419	Introduction to Curriculum Development	3	6	Faculty of Education	Primary Mathematics Teaching	61
10			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	9
11			EB574	Contemporary Developments in Curriculum & Instruction	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	9
12			EB595	Curriculum Development and Evaluation in Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	6
13			EFMB201	Instructional Technologies	2	3	Faculty of Education	Guidance & Psych. Counselling	75
14			GEEB420	Teaching Practicum	5	8	Faculty of Education	Primary Mathematics Teaching	7
15			PDR208	Adult Education and Lifelong Learning	2	4	Faculty of Education	Guidance & Psych. Counselling	77
16	2020-2021	Fall	EB419	Introduction to Curriculum Development	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	7
17			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	43
18			EB525	Instructional Design in Distance Educ.: Theory, Research & Practice	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	7
19			EFMB201	Instructional Technologies	2	3	Faculty of Education	Turkish Teaching Primary Teaching English Teaching Primary Mathematics Teaching	288

20			GEEB423	Teaching Practicum I	5	4	Faculty of Education	Primary Teaching	8		
21			YBS508	Research Techniques	3	6	Inst. of Natural Sciences	MIS (M.S.)	14		
22			İPF301	Teaching Principles and Methods	2	2	Faculty of Theology	Theology (evening) Theology (day)	298		
23	2020-2021	Spring	EB500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	C&I (non-thesis, evening)	19		
24			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) Guidance & Psych. Counselling (M.S.)	10		
25			EB543	Project-Based Learning	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	30		
26			EFMB204	Research Methods in Education	2	3	Faculty of Education	Primary Mathematics Teaching	52		
27			GEEB420	Teaching Practicum	5	8	Faculty of Education	Primary Mathematics Teaching	8		
28			GERP108	Literature Review and Report Writing	2	3	Faculty of Education	Guidance & Psych. Counselling	3		
29			GEİS410	Computer-Assisted Educ. in Primary School	2	4	Faculty of Education	Primary Teaching	46		
30			GME100	General and Professional Ethics	2	2	Faculty of Education	Turkish Teaching	2		
31			HBÖ567	Technology Use in Adult Education	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	15		
32			EFMB201	Instructional Technologies	2	3	Faculty of Education	Turkish Teaching English Teaching	—		
33			EB543	Project-Based Learning	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	4		
34			2021-2022	Fall	EB419	Introduction to Curriculum Development	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	6
35					EB574	Contemporary Developments in Curriculum & Instruction	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	25
36					EB576	Evaluation in Curricula	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	7
37	EFMB201	Instructional Technologies			2	3	Faculty of Education	Primary Mathematics Teaching English Teaching	128		
38	EFMB401	Teaching Practicum I			5	10	Faculty of Education	Primary Mathematics Teaching	7		
39	GPF103	Teaching Principles and Methods			3	6	Pedagogical Formation	Formation	106		
40	HBÖ521	Project Culture and Management			3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	20		
41	YBS508	Research Techniques			3	6	Inst. of Natural Sciences	MIS (M.S.)	8		
42	İPF301	Teaching Principles and Methods			2	2	Faculty of Theology	Theology (day) Theology (evening)	335		
43	2021-2022	Spring			EB415	Introduction to Research Methods in Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	10
44			EB500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening) C&I (non-thesis, evening)	14		

45			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) Guidance & Psych. Counselling (M.S.)	7		
46			EFMB201	Instructional Technologies	2	3	Faculty of Education	Guidance & Psych. Counselling	68		
47			EFMB402	Teaching Practicum II	5	12	Faculty of Education	Primary Teaching	11		
48			EPO500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	C&I (non-thesis, distance)	45		
49			GPF104	Special Teaching Methods	3	6	Pedagogical Formation	Formation	23		
50			HBÖ567	Technology Use in Adult Education	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	38		
51			YBS508	Research Techniques	3	6	Inst. of Natural Sciences	MIS (M.S.)	1		
52			YBS750	Non-Thesis Master's Term Project	0	24	Inst. of Natural Sciences	MIS (non-thesis)	—		
53			EFMB201	Instructional Technologies	2	3	Faculty of Education	Primary Mathematics Teaching	—		
54			EFMB205	Open and Distance Learning	2	4	Faculty of Education	Primary Mathematics Teaching	—		
55			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	4		
56			EB543	Project-Based Learning	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	2		
57			EFMB201	Instructional Technologies	2	3	Faculty of Education	Turkish Teaching Primary Teaching English Teaching Primary Mathematics Teaching	—		
58			EFMB205	Open and Distance Learning	2	4	Faculty of Education	Primary Mathematics Teaching	—		
59			EPO602	Multivariate Analysis Applications with Computers	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	—		
60			EPO603	Contemporary Teaching Methods and Techniques	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	—		
61			EPO613	Qualitative Research Methods	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	1		
62			EPO619	Examination of Technology Integration Models	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	—		
63			2022-2023	Fall	EB415	Introduction to Research Methods in Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	12
64					EB500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	C&I (non-thesis, evening)	25
65	EB509	Qualitative Research Techniques			3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	47		
66	EFMB201	Instructional Technologies			2	3	Faculty of Education	Turkish Teaching English Teaching	95		
67	EFMB203	Teaching Principles and Methods			2	3	Faculty of Education	Guidance & Psych. Counselling	70		
68	EFMB401	Teaching Practicum I			5	10	Faculty of Education	Primary Mathematics Teaching	12		
69	EPO500	Research Methods and Scientific Ethics			3	6	Inst. of Educational Sciences	C&I (non-thesis, distance)	31		
70	EPO515	Qualitative Research Techniques			3	8	Inst. of Educational Sciences	C&I (non-thesis, distance)	42		

71			GPF103	Teaching Principles and Methods	3	6	Pedagogical Formation	Philosophy Group (PF) DIKAB (PF) Accounting & Finance (PF) Physical Education (PF)	156
72			HBÖ521	Project Culture and Management	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	37
73			YBS508	Research Techniques	3	6	Inst. of Natural Sciences	MIS (M.S.)	11
74			YBS750	Non-Thesis Master's Term Project	0	24	Inst. of Natural Sciences	MIS (non-thesis)	—
75	2022-2023	Spring	BÖMB302	Measurement and Evaluation in Education	2	3	BESYO Faculty of Sport Sciences	PE & Sport Teaching (evening) PE & Sport Teaching	64
76			EB415	Introduction to Research Methods in Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	6
77			EB500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	47
78			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Guidance & Psych. Counselling (non-thesis) Curriculum & Instruction (M.S.) Measurement & Evaluation in Educ. (M.S.) Measurement & Eval. in Educ. (evening) Guidance & Psych. Counselling (M.S.)	19
79			EB524	21st Century Skills in Curricula	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	26
80			EB542	Qualitative Data Analysis	3	8	Inst. of Educational Sciences	Guidance & Psych. Counselling (M.S.)	5
81			EFMB201	Instructional Technologies	2	3	Faculty of Education	Guidance & Psych. Counselling	82
82			EFMB402	Teaching Practicum II	5	12	Faculty of Education	Primary Mathematics Teaching	12
83			EPO500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	C&I (non-thesis, distance)	43
84			EPO505	Contemporary Developments in Curriculum & Instruction	3	8	Inst. of Educational Sciences	C&I (non-thesis, distance)	30
85			GPF102	Measurement and Evaluation in Education	3	6	Pedagogical Formation	Accounting & Finance (PF) Preschool (PF)	96
86			HBÖ565	Contemporary Developments in Adult Education & Teaching	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	40
87			YBS508	Research Techniques	3	6	Inst. of Natural Sciences	MIS (M.S.)	17
88			YBS750	Non-Thesis Master's Term Project	0	24	Inst. of Natural Sciences	MIS (non-thesis)	2
89			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	C&I (Ph.D.) Curriculum & Instruction (M.S.) C&I (non-thesis, evening) Guidance & Psych. Counselling (M.S.)	11

90	2023-2024	Fall	EB525	Instructional Design in Distance Educ.: Theory, Research & Practice	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	—
91			EB526	STEM+A Education Model: Theory, Research & Practice	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	—
92			EB543	Project-Based Learning	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	5
93			EFMB201	Instructional Technologies	2	3	Faculty of Education	Primary Teaching Turkish Teaching English Teaching Primary Mathematics Teaching	—
94			EFMB205	Open and Distance Learning	2	4	Faculty of Education	Primary Mathematics Teaching	—
95			EPO603	Contemporary Teaching Methods and Techniques	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	1
96			EPO613	Qualitative Research Methods	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	1
97			BÖMB302	Measurement and Evaluation in Education	2	3	BESYO	PE & Sport Teaching	1
98			2023-2024	Fall	EB415	Introduction to Research Methods in Education	3	8	Inst. of Educational Sciences
99	EB500	Research Methods and Scientific Ethics			3	6	Inst. of Educational Sciences	C&I (non-thesis, evening) Lifelong Learning (non-thesis, evening)	30
100	EB509	Qualitative Research Techniques			3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	17
101	EFMB309	Project Preparation in Education			2	4	Faculty of Education	Turkish Teaching Primary Mathematics Teaching	98
102	EFMB401	Teaching Practicum I			5	10	Faculty of Education	Primary Mathematics Teaching	12
103	EPO500	Research Methods and Scientific Ethics			3	6	Inst. of Educational Sciences	C&I (non-thesis, distance)	24
104	EPO505	Contemporary Developments in Curriculum & Instruction			3	8	Inst. of Educational Sciences	C&I (non-thesis, distance)	42
105	EPO613	Qualitative Research Methods			3	10	Inst. of Educational Sciences	C&I (Ph.D.)	5
106	GPF103	Teaching Principles and Methods			3	4	Pedagogical Formation	Preschool (PF)	93
107	HBÖ565	Contemporary Developments in Adult Education & Teaching			3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	24
108	YBS508	Research Techniques			3	6	Inst. of Natural Sciences	MIS (M.S.)	9
109	2023-2024	Spring	EB415	Introduction to Research Methods in Education	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	5
110			EB500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	C&I (non-thesis, evening)	1
111			EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) Measurement & Evaluation in Educ. (M.S.)	14
112			EFMB203	Teaching Principles and Methods	2	3	Faculty of Education	Special Education Teaching	26
113			EFMB312	STEM and Robotics Coding	2	4	Faculty of Education	Primary Teaching	38
114			EFMB402	Teaching Practicum II	5	12	Faculty of Education	Primary Mathematics Teaching	6
115			EPO500	Research Methods and Scientific Ethics	3	6	Inst. of Educational Sciences	C&I (non-thesis, distance)	23

116	EPO613	Qualitative Research Methods	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	4
117	GPF102	Measurement and Evaluation in Education	3	4	Pedagogical Formation	Chemistry (PF) Health Services (PF) Physics (PF) Biology (PF)	46
118	GPF111	Teaching Practicum	5	10	Pedagogical Formation	Electrical (PF)	6
119	HBÖ514	Curriculum Development in Lifelong Learning	3	8	Inst. of Educational Sciences	Lifelong Learning (M.S., thesis)	1
120	HBÖ565	Contemporary Developments in Adult Education & Teaching	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	28
121	YBS508	Research Techniques	3	6	Inst. of Natural Sciences	MIS (M.S.)	4
122	EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) Guidance & Psych. Counselling (non-thesis) C&I (non-thesis, evening)	3
123	EB525	Instructional Design in Distance Educ.: Theory, Research & Practice	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	—
124	EB526	STEM+A Education Model: Theory, Research & Practice	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening) Curriculum & Instruction (M.S.)	—
125	EB543	Project-Based Learning	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	4
126	EFMB201	Instructional Technologies	2	3	Faculty of Education	Primary Teaching Primary Mathematics Teaching English Teaching	—
127	EFMB205	Open and Distance Learning	2	4	Faculty of Education	Primary Mathematics Teaching	—
128	EFMB309	Project Preparation in Education	2	4	Faculty of Education	Turkish Teaching	—
129	HBÖ565	Contemporary Developments in Adult Education & Teaching	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	3
130	HBÖ567	Technology Use in Adult Education	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	3
131	EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	Guidance & Psych. Counselling (M.S.) Curriculum & Instruction (M.S.) C&I (non-thesis, evening) Guidance & Psych. Counselling (non-thesis)	2
132	EB525	Instructional Design in Distance Educ.: Theory, Research & Practice	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening) Curriculum & Instruction (M.S.)	—
133	EB526	STEM+A Education Model: Theory, Research & Practice	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening) Curriculum & Instruction (M.S.)	—
134	EB543	Project-Based Learning	3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.) C&I (non-thesis, evening)	6

135			EFMB201	Instructional Technologies	2	3	Faculty of Education	Primary Mathematics Teaching English Teaching	—
136			EFMB205	Open and Distance Learning	2	4	Faculty of Education	Primary Mathematics Teaching	—
137			EFMB309	Project Preparation in Education	2	4	Faculty of Education	Turkish Teaching	—
138			EFMB312	STEM and Robotics Coding	2	4	Faculty of Education	Primary Teaching	—
139			EPO505	Contemporary Developments in Curriculum & Instruction	3	8	Inst. of Educational Sciences	C&I (non-thesis, distance)	—
140			EPO602	Multivariate Analysis Applications with Computers	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	—
141			EPO603	Contemporary Teaching Methods and Techniques	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	1
142			EPO613	Qualitative Research Methods	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	2
143			EPO619	Examination of Technology Integration Models	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	—
144			HBÖ565	Contemporary Developments in Adult Education & Teaching	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	1
145			HBÖ567	Technology Use in Adult Education	3	8	Inst. of Educational Sciences	Lifelong Learning (non-thesis, evening)	1
146			2025-2026	Fall	BÖMB203	Teaching Principles and Methods	2	3	BESYO Faculty of Sport Sciences
147	EB509	Qualitative Research Techniques			3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	18
148	EB563	Educational Statistics			3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	6
149	EB574	Contemporary Developments in Curriculum & Instruction			3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	11
150	EFMB201	Instructional Technologies			2	3	Faculty of Education	Turkish Teaching Primary Mathematics Teaching	141
151	EPO505	Contemporary Developments in Curriculum & Instruction			3	8	Inst. of Educational Sciences	C&I (non-thesis, distance)	28
152	EPO602	Multivariate Analysis Applications with Computers			3	10	Inst. of Educational Sciences	C&I (Ph.D.)	2
153	NAS501	Research Methods and Scientific Ethics			3	6	Inst. of Natural Sciences	Civil Engineering (M.S., non-thesis, shift 1) Mechanical Engineering (M.S.) Mechanical Engineering (Ph.D.)	6
154	YBS508	Research Techniques			3	6	Inst. of Natural Sciences	MIS (M.S.)	9
155	EB509	Qualitative Research Techniques			3	8	Inst. of Educational Sciences	Curriculum & Instruction (M.S.)	4
156	2025-2026	Spring	EB563	Educational Statistics	3	8	Inst. of Educational Sciences	C&I (Ph.D.) Curriculum & Instruction (M.S.)	7
157			EFMB201	Instructional Technologies	2	3	Faculty of Education	Special Education Teaching	49
158			EFMB312	STEM and Robotics Coding	2	4	Faculty of Education	Primary Teaching	13
159			EPO515	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	C&I (non-thesis, distance)	25
160			EPO602	Multivariate Analysis Applications with Computers	3	10	Inst. of Educational Sciences	C&I (Ph.D.)	1
161			FBE501	Research Methods and Scientific Ethics	3	6	Inst. of Natural Sciences	Eng. & Tech. Management (M.S., non-thesis, distance)	2

162		NAS501	Research Methods and Scientific Ethics	3	6	Inst. of Natural Sciences	Biochemistry Sci. & Tech. (Ph.D.) Biochemistry Sci. & Tech. (M.S.) Biochemistry Sci. & Tech. (M.S., non-thesis) Civil Engineering (M.S., non-thesis, shift 1) Civil Engineering (M.S.) Materials Science & Eng. (interdisciplinary, M.S.) Optical Engineering (M.S.) Biology (M.S.) Electrical & Electronics Eng. (Ph.D.) Electrical & Electronics Eng. (M.S.) Food Engineering (M.S.) Textile Engineering (Ph.D.) Textile Engineering (M.S., non-thesis) Textile Engineering (M.S.) Civil Engineering (Ph.D.) Aerospace Engineering (M.S.) Physics Engineering (Ph.D.) Physics Engineering (M.S.) Mechanical Engineering (Ph.D.) Aerospace Sciences (Ph.D.) Mechanical Engineering (M.S.) Industrial Engineering (Ph.D.) Industrial Engineering (M.S.)	18
163		YBS508	Research Techniques	3	6	Inst. of Natural Sciences	MIS (M.S.)	4
164		EB509	Qualitative Research Techniques	3	8	Inst. of Educational Sciences	C&I (non-thesis, evening)	1
TOPLAM								4948

Hasan Kalyoncu University (2022-2023 Fall)

Course Code	Course Name
MB005	Instructional Technologies [in English]
MB006	Teaching Principles and Methods [in English]

PANELS, FORUMS & INVITED KEYNOTES

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

IN-SERVICE TEACHER PROFESSIONAL DEVELOPMENT WORKSHOPS

2023, March	Nahçıvan Devlet Üniversitesi — STEM Təlimi (Internationally Certified STEM Training). Three-day workshop, Nahçıvan.
2023, March	Azərbaycan Petrol Universiteti — STEM və Girişimçilik Təlimi (Internationally Certified STEM Training). Three-day workshop, Baku, Azerbaijan.
2022, August	TEDX: Principles and Methods of Teaching — STEM Education. Private Gaziantep College Foundation Schools, Gaziantep.
2022, March	Technology Supported Education. Gaziantep İl Milli Eğitim Müdürlüğü, Gaziantep.
2021, December	Project Writing Training. Gaziantep İl Milli Eğitim Müdürlüğü, Gaziantep.
2019, August	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Diyarbakır Nesibe Aydın Schools, Gaziantep.
2019, August	Principles and Methods of Teaching — STEM Education. Private Gaziantep College Foundation Schools.
2019, August	International Baccalaureate and STEM Education. Private Gaziantep College Foundation Schools.
2019, May	STEM eğitiminde öngörüler ve fırsatlar. Bahçeşehir Koleji STEM Day, Istanbul.
2019, April	STEM Uygulamaları (LabStar). Regional STEM Workshop, Gaziantep İl MEM & Erdem Koleji.
2018, September	İlkokullar için STEM Müfredat Programı. Gaziantep İl Milli Eğitim Müdürlüğü.
2017, March	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Bahçeşehir Schools, Diyarbakır.
2017, March	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Bahçeşehir Schools, Ordu.
2017, March	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Uğur Schools, Ünye.
2017, January	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Deva Schools, Gaziantep.
2017, June	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Seçkin Schools, Gaziantep.
2017, September	STEM: Tanımlar, Amaçlar ve Yeni Dönem. Gaziantep University STEM Education BAP Project.
2016, September	STEM: Hesaplamalı Düşünme. Hatay Payas STEM Center, Hatay.
2016, November	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Bahçeşehir Schools, Diyarbakır.
2016, December	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Uğur Schools, Ünye.
2016, January	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Uğur Schools, Ünye.
2016, March	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Uğur Schools, İzmir.
2016, March	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Uğur Schools, Ünye.
2016, May	STEM: Bütünleşik Öğretmenlik Çerçevesi. Private Bahçeşehir Schools, Diyarbakır.

APPEARANCES IN MASS MEDIA (52 SOURCES)

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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.vizyonhavadis.com/haber/gaziantep-universitesi-ste-amegitiminde-girisimcilik-standartlarini-belirliyor-48860.html>
6. <https://gef.gantep.edu.tr/duyuru.php?id=155>
7. <https://www.iha.com.tr/gaziantep-haberleri/-2999719>
8. <https://gef.gantep.edu.tr/etkinlik.php?id=9>
9. <https://www.gaziantepusula.com/haber/10263853/gaunden-onemli-proje>
10. <https://www.referansgazetesi.com.tr/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor>
11. <https://akagev.com/kurumsal>
12. <https://www.tuba.gov.tr/files/images/2019/uygulamalibilim/VII.%20%20Uygulama%20C4%B1%20Bili%20m%20E%20C4%9Fitimi%20Kursu%20Program%20C4%B1.pdf>
13. <https://gaziantepgazetesi.com/haber-infinite-haber-devam-17413>
14. <https://www.gaziantep27.net/erasmus-projesinin-italya-toplantisi-gerceklesti>
15. <https://www.gaziantepdogus.com/haber/17231237/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor>
16. https://www5.tbmm.gov.tr/develop/owa/komisyon_tutanaklari.goruntule?pTutanakId=2286
17. <https://www.gaziantepgunes.com/haber/7240664/gaunden-stem-fen-teknoloji-muhendislik-ve-matematik-egitim-modeli-icin-onemli-proje>
18. <https://www.referansgazetesi.com.tr/gaunde-steam-egitiminde-girisimcilik-standartlarini-belirliyor>
19. <https://www.hurriyet.com.tr/yerel-haberler/gaziantep/stem-egitim-calistayi-basladi-40572867>
20. <https://www.gaziantephaber.com/erasmus-projesinin-italya-toplantisi-gerceklesti/14878/>
21. <https://www.siirttesonsoz.com/haber/gaun-ste2am-egitiminde-girisimcilik-standartlarini-belirliyor-25997.html>
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24. <https://www.iha.com.tr/gaziantep-haberleri/-2795828>
25. <https://www.gaziantep27.net/ogretmenlere-girisimcilik-egitimi>
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28. <https://www.memohaber.com/haber/ogretmenlere-Stem-Egitimi-Proje-Tabanlı-ogretim-semineri-46892>
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30. <https://www.milliyet.com.tr/yerel-haberler/gaziantep/gaziantep-te-stem-egitim-leri-suruyor-12591028>
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33. <https://www.ayintabgazetesi.com/haber/-6009.html>
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41. <https://www.sabah.com.tr/gaziantep/2021/10/15/tubitak-baskanindan-gaune-proje-ziyareti>
42. <https://www.referansgazetesi.com.tr/gaunden-bir-egitim-calismasi-daha>
43. <https://www.megahaber27.com/haber/erasmus-projesinin-italya-toplantisi-gerceklesti-291445.html>
44. <https://www.gaziantephaber.com/cocuklarin-becerilerini-gelistiren-proje-basladi/12821/>
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47. https://www.haberler.com/yerel/ozel-sanko-koleji-ogrencisinin-buyuk-basarisi-7971840-haberi/?ref=amp_more
48. <https://www.karar.com/Istanbul/stem-uygulamasina-avrupadan-odul-1382138>
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50. <https://www.tourismjournal.com.tr/gundem/gaun-erasmus-ka220-hed-projesinin-vilnius-toplantisi-basariyla-tamamlandi-1155610>
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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>

WHITE PAPERS & REPORTS

Başaran, M. (2020). STEM as an Educational Model. In E. Bay (Ed.), Report of the Subcommittee on the Orientation of Girls, Particularly to Science, Technology, Engineering and Mathematics. Turkish Grand National Assembly, Ankara.

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