



Name (first name, middle initial, last name):	Muhammet Usak
Title/Academic Rank:	Associate Professor
Date of Birth:	March 7, 1972
Scientific Field:	Methodology Of Teaching Science
Department:	Department for Didactics and Teaching Methodologies
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Name of the institution where the teacher is employed full-time:

Faculty of Pedagogical Sciences, University of Kragujevac, Jagodina

ACADEMIC CAREER

	Year	Institution	Scientific field
Appointment to Academic Rank:	2026	Faculty of Pedagogical Sciences, University of Kragujevac, Jagodina	Methodology of Teaching Science and Social Studies.
PhD:	2005	Graduate School of Educational Sciences, Gazi University	Science Education
Master's Degree:	2001	Graduate School of Natural and Applied Sciences, Pamukkale University	Biological Science
Undergraduate Degree:	1998	Faculty of Education, Pamukkale University	Elementary Teacher Education

REPRESENTATIVE REFERENCES (minimum 5, maximum 10)

Demir, S., & Uşak, M. (2025). Analyzing the implementation of PLS-SEM in educational technology research: A review of the past 10 years. *Sage Open*, 15(2), 21582440251345950.

Usak, M., Uygun, H., & Duran, M. (2022). The effects of science teachers' pedagogical content knowledge on students' attitudes toward science and their achievement. *Journal of Baltic Science Education*, 21(4), 694-705.

Al-Amoush, S., Markic, S., Usak, M., Erdogan, M., & Eilks, I. (2014). Beliefs about chemistry teaching and learning—a comparison of teachers' and student teachers' beliefs from Jordan, Turkey and Germany. *International Journal of Science and Mathematics Education*, 12(4), 767-792.

Al-Amoush, S., Usak, M., Erdogan, M., Markic, S., & Eilks, I. (2013). Pre-service and in-service teachers' beliefs about teaching and learning chemistry in Turkey. *European Journal of Teacher Education*, 36(4), 464-479.

Usak, M., Ozden, M., & Eilks, I. (2011). A case study of beginning science teachers' subject matter (SMK) and pedagogical content knowledge (PCK) of teaching chemical reaction in Turkey. *European Journal of Teacher Education*, 34(4), 407-429.

Hudson, P., Usak, M., Fančovičová, J., Erdoğan, M., & Prokop, P. (2010). Preservice teachers' memories of their secondary science education experiences. *Journal of Science Education and Technology*, 19(6), 546-552.

Erdogan, M., Özel, M., Uşak, M., & Prokop, P. (2009). Development and validation of an instrument to measure university students' biotechnology attitude. *Journal of Science Education and Technology*, 18(3), 255-264.

Özel, M., Prokop, P., & Uşak, M. (2009). Cross-cultural comparison of student attitudes toward snakes. *Society & Animals*, 17(3), 224-240.

Usak, M. (2009). Preservice science and technology teachers' pedagogical content knowledge on cell topics. *Educational Sciences: Theory and Practice*, 9(4), 2033-2046.

Participation in Projects:	-
Professional Development:	SPSS, NVivo,
Fields of Interest:	Elementary science education, environmental education, STEM Education
Memberships in Organizations:	ESERA
Other Information:	ORCID: https://orcid.org/0000-0002-6537-9993