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Fatma SASMAZ OREN works as an assistant professor in the Department of Science Education of the Education Faculty at Celal Bayar University, Turkey. She graduated from the Education Faculty at Celal Bayar University as a Science Teacher and started her career as a teacher. She completed her master's degree in the Institute of Science at Celal Bayar University in 2001 and her doctorate degree in the Institute of Educational Sciences at Gazi University.

She wrote her master's thesis on 'academic science self-concept' and her doctorate thesis on 'the effect of the learning cycle approach on logical thinking skill, academic achievement and attitude'. Her main field of study involves alternative assessment approaches in science education. She published national and international articles on the subject, particularly on alternative assessment approaches, concept maps, concept cartoons and drama. The researcher also produced works on constructivist approach, self-efficacy, inquiry-based learning, learning cycle approach, visual aids, educational game and environmental awareness.

She published articles and presented papers at national and international congresses, conferences and symposiums in these fields of study and particularly on the alternative assessment approaches and instruments in science education. The researcher also authored certain chapters in two textbooks taught in the universities in Turkey. In particular, she teaches undergraduate and graduate courses about science and technology teaching, science-technology curriculum and planning, science-technology-society, special teaching methods, scientific research projects and new approaches in education.