

## Prof. MERAL AKSU

### Personal Information

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### Education Information

Doctorate, Hacettepe University, Eğitim Fakültesi, Eğitim Bilimleri Bölümü, Turkey 1978 - 1981

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Biçimlendirme Yetiştirmeye Dönük Değerlendirmenin Erişime Etkisi, Hacettepe Üniversitesi, 1981

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Department of Educational Sciences, 1974 - Continues

### Academic and Administrative Experience

Middle East Technical University, Faculty of Education, 2001 - 2010

Middle East Technical University, Faculty of Education, Department of Educational Sciences, 1998 - 2001

### Advising Theses

AKSU M., The effect of mathematics instruction based on flow theory principles enhanced with realistic mathematics education on students' achievement, retention, motivation and flow state, Doctorate, Y.AY(Student), 2022

AKSU M., The effect of flipped learning on pre-service teachers' achievement and perceptions related to classroom environment, Doctorate, M.ÖZÜDOĞRU(Student), 2018

AKSU M., The effects of an online course designed on mobile technologies on the use of ict skills, attitudes and self-efficacy of efl instructors, Doctorate, Ö.ZENGİN(Student), 2018

AKSU M., The Effects of an online course designed on mobile technologies on the use of ICT skills, attitudes and self-efficacy of EFL instructors /, Doctorate, Ö.Zengin(Student), 2018

AKSU M., Developing a school based professional development program for improving technological skills and andragogical knowledge of teachers in private night high schools, Doctorate, A.NUR(Student), 2018

AKSU M., The relationship between teacher reflection and teacher autonomy with respect to certain variables, Postgraduate, D.ŞAHİN(Student), 2017

AKSU M., The perceptions of pre-service ELT teachers on different modes of peer feedback and its relation to teacher

efficacy, Doctorate, B.HATİCE(Student), 2016

AKSU M., The Perceptions of pre-service ELT teachers on different modes of peer feedback and its relation to teacher efficacy /, Doctorate, B.Hatice(Student), 2016

AKSU M., Investigating the use of mobile-based vocabulary notebooks on students' vocabulary achievement in English language learning, Postgraduate, Ö.ZENGİN(Student), 2015

AKSU M., In-class social problem solving abilities of classroom teachers: a self-determination theory based study, Doctorate, J.Ulaş(Student), 2015

AKSU M., Investigation of pre service science teachers perceptions related to pedagogical knowledge and pedagogical content knowledge, Postgraduate, F.GÜLER(Student), 2015

AKSU M., Attitudes and perceptions of Gendarmerie Non-commissioned Officers Vocational College students towards English instruction, Postgraduate, A.NUR(Student), 2015

AKSU M., Investigating the use of mobile-based vocabulary notebooks on students' vocabulary achievement in english language learning, Postgraduate, Ö.Zengin(Student), 2015

AKSU M., In-class social problem solving abilities of classroom teachers: A self-determination theory based study, Doctorate, J.ULAŞ(Student), 2015

AKSU M., Transfer system factors on training transfer with regard to trainee characteristics and contextual variables: A case of the Central Bank of the Republic of Turkey, Doctorate, O.SİNAN(Student), 2014

AKSU M., The effect of an instruction designed by cognitive load theory principles on 7th grade students' achievement in algebra topics and cognitive load, Doctorate, A.TAKIR(Student), 2011

AKSU M., Perceptions of professional development at Bilkent University faculty academic English program, Doctorate, P.ESMA(Student), 2011

AKSU M., Sixth grade students' conceptual and procedural knowledge and word problem solving skills in length, area, and volume measurement, Doctorate, G.TAN(Student), 2010

AKSU M., An examination of the relationship between content familiar texts derived from readers interest and reading performance of English language learners at university level, Postgraduate, N.ÖZTÜRK(Student), 2010

AKSU M., An examination of the relationship between content familiar texts derived from readers' interest and reading performance of English language learners at University level, Postgraduate, N.Öztürk(Student), 2010

AKSU M., Sixth, seventh and eighth grade teachers' conception of assessment, Postgraduate, E.VARDAR(Student), 2010

AKSU M., The effects of cooperative learning on learning outcomes and reactions to training in an in-service training course, Doctorate, S.GÖKMEN(Student), 2009

AKSU M., The effects of computer-assisted instruction on the achievement, attitudes and retention of mathematics in 4th grade courses, Doctorate, O.PİLLİ(Student), 2008

AKSU M., Effects of constructivist instruction on the achievement, attitude, science process skills and retention in science teaching methods ii course, Doctorate, İ.ÖNAL(Student), 2008

AKSU M., The effect of computer assisted instruction on the achievement, attitudes and retention of fourth grade mathematics course, Doctorate, O.Pilli(Student), 2008

AKSU M., A study on the impact of authentic materials on EFL students' achievement, retention and opinions regarding two grammar units at high school level, Postgraduate, H.DEMİRCAN(Student), 2004

AKSU M., Evaluation of the Turkish Language Teaching Program for foreigners at Minsk State Linguistic University in Belarus : a case study, Doctorate, Ü.Yıldız(Student), 2004

AKSU M., The effects of students' entering characteristics and classroom environment experiences on their language learning outcomes in an efl setting in Turkey, Doctorate, E.ERTUĞRUL(Student), 2004

AKSU M., Evaluation of the Turkish language teaching program for foreigners at Minks State Linguistic University in Belarus: A case study, Doctorate, Ü.YILDIZ(Student), 2004

AKSU M., Effectiveness of Anatolian teacher high schools in terms of serving their intended purpose, Doctorate, S.Tican(Student), 2004

AKSU M., A study on the impact of authentic materials on efl students' achievement, retention and opinions regarding two grammar units at high school level, Postgraduate, H.Demircan(Student), 2004

AKSU M., Effectiveness of Anatolian Teacher High School in terms of serving their intended purpose, Doctorate, S.TİCAN(Student), 2004

AKSU M., Social construction of "pseudo disease" in Turkey: Clinicians' practice of "giving diagnosis", patients' voices from

"subject positions", Doctorate, S.Usubütün(Student), 2003

AKSU M., An investigation on constructivist classroom characteristics in ELT methodology II course, Doctorate, F.KESAL(Student), 2003

AKSU M., How students multiple intelligences differ in terms of grade level and gender, Postgraduate, D.GÖĞEBAKAN(Student), 2003

AKSU M., An investigation on constructivist classroom characteristics in ELT methodology II courses, Doctorate, F.Kesal(Student), 2003

AKSU M., A descriptive study on learning style preferences of the engineering students at METU, Postgraduate, B.Arslan(Student), 2003

AKSU M., A Descriptive study on learning styles of the engineering students at Metu, Postgraduate, B.ARSLAN(Student), 2003

AKSU M., A comparison of controlled writing approach, free writing approach and an integrated approach with respect to proficiency in writing at the department of basic English, METU, Postgraduate, G.Baskan(Student), 2002

AKSU M., A Comparison of controlled writing approach, free writing approach and an approach with respect to proficiency of writing at the department of basic English, METU, Postgraduate, G.BASKAN(Student), 2002

AKSU M., A study on the evaluation of tourism and hotel management program at Başkent University in terms of total quality management principles, Doctorate, F.MIZIKACI(Student), 2001

AKSU M., A study on the relationships between self-concept, study skills, and achievement in foreign language learning at university level, Doctorate, S.Karabınar(Student), 2000

AKSU M., A needs assessment study to design an in-service training program for a research institute employees, Postgraduate, N.Çakırokkalı(Student), 2000

AKSU M., A Needs assessment study to desing an in service training program for a research institute employees, Postgraduate, N.ÇAKIROKKALI(Student), 2000

AKSU M., A Study on the relationships between self-concept, study skills, and academic achievement at university level, Doctorate, S.KARABINAR(Student), 2000

AKSU M., Evaluating the English language curriculum at aprivate school in Ankara: A case study, Doctorate, H.ESİN(Student), 1999

AKSU M., A Study of curriculum development for the front office on the job training of Ministry of Tourism, Doctorate, Ş.ODABAŞI(Student), 1998

AKSU M., Determining and overcoming preservice elementary teachers' misconceptions in interpreting and applying decimals., Doctorate, O.CANKOY(Student), 1998

AKSU M., A Study of curriculum development for the front office on-the-job training of ministry of tourism., Doctorate, Ş.Odabaşı(Student), 1998

AKSU M., Evaluation of physical education teacher education program at Middle East Technical University/, Doctorate, Ş.ÇİÇEK(Student), 1998

AKSU M., A Qualitative study on identifying the perceptions of the students, parents' advisors, school counselors about their interaction in the credit system at secondary school level, Doctorate, D.Demirbulak(Student), 1997

AKSU M., The Effects of different cooperative learning methods on achievement and retention of preservice secondary school teachers, Doctorate, R.ÖZKILIÇ(Student), 1997

AKSU M., The Effect of a reading course on developing reading comprehension of intermediate level students at Bilkent University school of english language, Doctorate, A.Nihat(Student), 1997

AKSU M., A qualitative study on identifying the perceptions of the students, parents, advisors, school counselors about their interaction in the credit systems at secondary school level, Doctorate, D.DEMİRBUŁAK(Student), 1997

AKSU M., The effects of different cooperative learning methods on achievement and retention of preservice secondary school teachers., Doctorate, R.Özkılıç(Student), 1997

AKSU M., The Effect of a reading comprehension of intermediate level students of Bilkent University School of English Language, Doctorate, A.NİHAT(Student), 1997

AKSU M., A case study on evaluating "the certificate for overseas teachers of english" curriculum at Bilkent University., Doctorate, A.Daloğlu(Student), 1996

AKSU M., A Case study on evaluating the certifiacate for overseas teachers of English curriculum at Bilkent University, Doctorate, A.DALOĞLU(Student), 1996

AKSU M., The effects of information technology on the market efficiency of Turkish Securities Markets., Postgraduate, A.Levent(Student), 1993

AKSU M., The Difference between cooperative learning method and traditional method in terms of students academic achievement in educational sociology course at higher educational level, Postgraduate, L.ERDEM(Student), 1993

AKSU M., The difference between cooperative learning method and traditional method in terms of students' academic achievement in Educational Sociolgy course at higher educational level., Postgraduate, L.Erdem(Student), 1993

AKSU M., The Social studies teachers perception of social studies goals and their colleauges, Postgraduate, R.ÖZKILIÇ(Student), 1992

AKSU M., The social studies teachers' perception of social studies goals and their colleauges., Postgraduate, R.Özkılıç(Student), 1992

AKSU M., A Study on the effectiveness of different teaching methods and mathematics achievement levels on achievement, retention, and attitude toward mathematics and selected topic, Doctorate, H.YAVUZ(Student), 1991

AKSU M., A study on the roles and functions of the elementary school counselor as perceived by parents and teachers, Postgraduate, C.Engin(Student), 1991

AKSU M., A Study on the roles and functions of the elementary school counselor as perceiued by parents and teachers, Postgraduate, C.ENGİN(Student), 1991

AKSU M., Assessment and analysis of prospective mathematics teachers mathematical problem-solving skills for selected variables of math-ability. Reading comprehension and attitudes toward mathematics, Doctorate, M.SAYGI(Student), 1990

AKSU M., Assesment of a junior high school basic programming course with respect to achievement, attitudes, and the opinions of people involved in various degrees at Arı Lycee, Postgraduate, S.Tarticioğlu(Student), 1990

AKSU M., Assessment and analysis of prospective mathematics teachers mathematical problem-solving skills for selected variables of math-ability, reading comprehension and attitudes toward mathematics, Doctorate, M.Saygı(Student), 1990

AKSU M., Assessment of a junior high school basic programming course with respect to achievement, attitudes, and the opinions of people involved in various degrees at ari lycee, Postgraduate, S.TARTICIOĞLU(Student), 1990

AKSU M., Relationships of attitude toward biology classroom environment, attitude toward biology and achievement in biology, among ninth and eleventh grade greek students, Postgraduate, İ.MOUTZOURİ(Student), 1989

AKSU M., The relationship between computer attitude, mathematics attitude and knowledge about computer of prospective mathematics teachers at METU by grade level and sex, Postgraduate, G.ÇALIKOĞLU(Student), 1989

AKSU M., Difference between traditional method and mathematics laboratory instruction in terms of achievement related to a probability unit, Postgraduate, O.CANKOY(Student), 1989

AKSU M., The relationship between mathematics self-concept and some related characteristics of mathematics education Turkish freshman at METU, Postgraduate, S.Bulut(Student), 1988

AKSU M., The Relationship between mathematics self.concept and some related charateristics of mathematics education Turkish freshmen at METU, Postgraduate, S.BULUT(Student), 1988

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

- I. **Pre-service teachers' achievement and perceptions of the classroom environment in flipped learning and traditional instruction classes**  
ÖZÜDOĞRU M., AKSU M.  
AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY, vol.36, no.4, pp.27-43, 2020 (SSCI)
- II. **A Study on Sixth Grade Students' Misconceptions and Errors in Spatial Measurement: Length, Area, and Volume**  
TAN ŞİŞMAN G., AKSU M.  
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.14, no.7, pp.1293-1319, 2016 (SSCI)
- III. **The effects of computer-assisted instruction on the achievement, attitudes and retention of fourth grade mathematics students in North Cyprus**  
Pilli O., AKSU M.  
COMPUTERS & EDUCATION, vol.62, pp.62-71, 2013 (SCI-Expanded)
- IV. **Sixth Grade Students' Performance on Length, Area, and Volume Measurement**

Sisman G. T., AKSU M.

EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.37, no.166, pp.141-154, 2012 (SSCI)

V. **THE LENGTH MEASUREMENT IN THE TURKISH MATHEMATICS CURRICULUM: ITS POTENTIAL TO CONTRIBUTE TO STUDENTS' LEARNING**

Tan-Sisman G., AKSU M.

INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.10, no.2, pp.363-385, 2012 (SSCI)

VI. **Who are the future teachers in Turkey? Characteristics of entering student teachers**

AKSU M., Demir C. E., DALOĞLU A., Yildirim S., Kiraz E.

INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT, vol.30, no.1, pp.91-101, 2010 (SSCI)

VII. **Students' preferences on web-based instruction: linear or non-linear**

CAGILTAY N. E., Yildirim S., Aksu M.

EDUCATIONAL TECHNOLOGY & SOCIETY, vol.9, no.3, pp.122-136, 2006 (SSCI)

VIII. **Students Beliefs about Mathematics A Descriptive Study**

AKSU M., ENGİN DEMİR C., SÜMER Z.

Eğitim Ve Bilim-Education And Science, vol.27, pp.72-77, 2002 (SSCI)

IX. **Matematik Öğretiminde Bilgisayar Kullanımı**

AKSU M.

Eğitim ve Bilim, no.54, pp.12-26, 1985 (SSCI)

## Articles Published in Other Journals

I. **Blended learning at pre-service teacher education in Turkey: A systematic review**

ATMACASOY A., AKSU M.

EDUCATION AND INFORMATION TECHNOLOGIES, vol.23, no.6, pp.2399-2422, 2018 (ESCI)

II. **A Review Study on the Integration of Technology into Foreign Language Education in Turkey**

ZENGİN Ö., AKSU M.

Ankara University Journal of Faculty of Educational Sciences, vol.50, no.2, pp.79-104, 2017 (Peer-Reviewed Journal)

III. **Geleceğin Öğretmenlerinin Demografik Sosyokültürel Özellikleri ve Eğitim Görüşleri**

AKSU M.

Türkiye Özel Okullar Derneği Dergisi, vol.8, no.33, pp.8-10, 2015 (Non Peer-Reviewed Journal)

IV. **The Relationship between Cognitive Distortions and Forgiveness in Romantic Relationships**

AKSU M.

International Journal of Human Sciences, vol.12, no.1, pp.1338-1349, 2015 (Peer-Reviewed Journal)

V. **Does Fulbright Make a Difference: The Turkish Perspective**

ENGİN DEMİR C., AKSU M.

The Journal of Studies in International Education, vol.4, no.1, pp.103-111, 2000 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **Blended learning at pre-service teacher education in Turkey: A systematic review**

ATMACASOY A., AKSU M.

5th International Curriculum and Instruction Congress, Muğla, Turkey, 26 - 28 October 2017

II. **Preservice Science Teachers Perceptions related to their Pedagogical knowledge**

AKSU M., GÜLER F.

ECER 2017, Sweden, 22 - 25 August 2017

III. **Perceptions of Students Graduates and Instructors on a Graduate Program**

Yıldırım Taştı Ö. F., YILMAZ E., ENGİN DEMİR C., AKSU M.

EPÖDER -ICCI EPOK 2016, 27 - 30 October 2016

- IV. **The Relationship between Pre Service Teachers Epistemological Beliefs and Their Views on Critical Pedagogy**  
YILMAZ E., AKSU M.  
XVIII CONGRESS AMSE-AMCE-WAERTeaching and Training Today for Tomorrow, 30 May - 02 June 2016
- V. **Evaluating of Human Resource Development Education Graduate Program The METU Case**  
AKSU M., ENGİN DEMİR C., YILMAZ E., YILDIRIM Ö. F.  
London International Conference on Education, 9 - 11 November 2015
- VI. **Changing Higher Education Challenges for Curriculum and Instruction**  
AKSU M.  
The Third International Conference on Curriculum and Instruction: Curriculum Studies in Higher Education, Adana, Turkey, 22 - 24 October 2015
- VII. **Development of Teacher Autonomy Scale for Turkish Teachers**  
Ulas J., AKSU M.  
5th World Conference on Learning, Teaching and Educational Leadership, WCLTA 2014, Prague, Czech Republic, 29 - 31 October 2014, vol.186, pp.344-349
- VIII. **Seventh grade students' understanding of linear measurement: what has been learned about linear measurement in seven years of schooling process?**  
Sisman G. T., AKSU M.  
4th World Conference on Educational Sciences (WCES), Barcelona, Spain, 2 - 05 February 2012, vol.46, pp.1905-1909

## Supported Projects

ENGİN C., AKSU M., YILDIRIM TAŞTI Ö. F., YILMAZ E., Project Supported by Higher Education Institutions, Eğitimde İnsan Kaynaklarını Geliştirme Programının Değerlendirilmesi, 2015 - 2016

## Metrics

Publication: 23  
Citation (WoS): 186  
Citation (Scopus): 139  
H-Index (WoS): 6  
H-Index (Scopus): 4

## Non Academic Experience

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