

CURRICULUM VITAE

Personal details

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Education

- B.Sc. Department of Physics & Chemistry, 1993. Faculty of Education, Tanta University, Egypt, Very Good with Honours.
- Degree of Special Diploma in Education, 1995, Faculty of Education, Tanta University, Egypt, Very Good grade.
- Degree of Master of Education in 'Curriculum and Instruction of Science', 1998, Title of the thesis: The effectiveness of Ausubel's advanced organizers in developing achievement in science and creative thinking abilities of preparatory stage students, Faculty of Education, Tanta University, Excellent grade.
- PhD in Education, Title of the thesis: Science-Technology-Society Education in Egypt: The Beliefs and Practices of Egyptian Science Teachers, 2008 (Supervision: Professor Keith Postlethwaite and Dr. Nigel Skinner. External Examiner: Professor Michael Reiss; Internal Examiner Dr. Flora Macleod), School of Education and lifelong Learning, Exeter University, UK.
- Higher Education Academy (HEA) Fellowship award. Postgraduate Certificate in Academic Practice (PCAP), Exeter University, 2010

Research interests

My main research interests are in aspects of teaching and learning in science, including STS (Science, Technology and Society education); controversial issues, scientific literacy, the relationship between religion and science education; learners' ideas, misconceptions, alternative conceptions and alternative frameworks; constructivism in science education; learner thinking; creative thinking in science; explanations in science; teaching about the nature of science; science teachers' beliefs and practices, teacher professional development; Multi-cultural studies in science education and Grounded Theory, e-learning, ICT.

Employment experiences

- 01/2009- date Lecturer in Science Education, Graduate School of Education, University of Exeter, UK.
- 01/08-09/09 Teaching Fellow, School of Education and Lifelong Learning, University of Exeter.
- 09/08-12/08 Research Fellow, School of Education and Lifelong Learning, University of Exeter.
- 03/08-08/08 Associate Research Fellow, School of Education and Lifelong Learning, University of Exeter.
- 06/04-12/04 Research Assistant, School of Education and lifelong learning, University of Exeter.
- 1998-2002 Assistant Lecturer, Faculty of Education, Tanta University, Egypt.
- 1994-1998 Demonstrator, Faculty of Education, Tanta University, Egypt.

Teaching experiences

- Science Teaching Methods
- Using Computer in Science Teaching and Learning.
- Blended learning
- Applied Statistics by SPSS
- Qualitative methodology
- Online discussion
- Educational Technology
- Micro-Teaching
- Research Methods in Education
- Evaluation in Teaching
- Physics and chemistry at secondary schools in Egypt

Supervision of students on school-based work

- 1994-2002 I have supervised prospective science teachers at secondary education in Egypt.
- 2009-date I am supervising PGCE science students

Professional skills

- Quantitative data analysis using SPSS programme;
- Qualitative data analysis using Nvivo programme;
- Mixed research methods;
- ICT and computer skills.

Research projects

- 07/2010-ongoing Science teachers' professional development needs in Saudi Arabia, funded by King Saud University (The Excellence Centre of Science and Mathematics Education)
- 01/2010-ongoing Science Education for Diversity , Funded by European commission. The fund of this project is a maximum of 999,999 Euro for 36 months.
- 09/2008 – 12/2008 Research Fellow – INTERLOC project investigating the possibilities of an online discussion tool for education. I was the main researcher on this project in Exeter. Interloc project was funded through grants from rounds 1 and 2 of the Joint Information Systems Committee JISC.
- 03/2008 – 08/2008 Associate Research Fellow – ARGUNAUT project researching and developing tools to support moderating online.
- 06/04-12/04 Research assistant - Initial Teacher Training (ITT) and Continuous Professional Development (CPD) with the Partnership Office of the School of Education and Lifelong Learning, University of Exeter, UK.
- 1998-2002 Research assistant- Training facilitators to help with illiteracy, Ministry of Education, Egypt. The project was funded by the World Bank and European Union.

Collaborative research network:

- 2011-ongoing the head of the teacher professional development research group at the Excellence Centre of Science and Mathematics Education, King Saud University, Saudi Arabia <http://ecsme.ksu.edu.sa/en/>

Reviewer

- Regular reviewer for BERA and EERA conferences

Reviewer for international journals:

- Journal of Public Understanding of Science
- Cultural Studies of Science Education
- International Journal of Science Education
- International Journal of Environmental and Science Education
- Science Education Review
- Science Education
- Public Understanding of Science

Chair of JURE 2011 Conference

I was the chair of JURE 2011 Pre-conference of EARLI Monday 29 and Tuesday 30 August 2011, Exeter, UK. http://www.earli2011.org/nqcontent.cfm?a_name=jure

Awards

- The Best Paper Award of the Postgraduate and Young Researchers conference 2007. The awarded paper titled: "Religious beliefs: A hidden variable in the performance of science teachers in the classroom".
- The University of Exeter Merit Award

Editorships and Editorial board membership

- Associate Editor for Thinking Skills and Creativity Journal
- The Editorial Board for the Science Education Review
- The Editorial board for Eurasian Journal of Physics and Chemistry Education
- The Editorial board for the International Journal of Environmental and Science Education
- The Arab Journal for Talent development www.ust.edu/tdaj

Membership of professional bodies/associations

- 2004-date British Educational Research Association (BERA), Notts, UK
- 2004-date European Science Educational Research Association (ESERA). Utrecht, Netherlands
- 2004-date British Association for the Advancement of Science (BAAS), London, UK
- 2005-date National Association for Research in Science Teaching (NARST), Baltimore, USA
- 2008-date Science, Technology, Engineering, and Mathematics Education (STEM) Education coalition
- 2008-date The Math and Science Partnership network (MSPnet)
- 2008-date European Association for Research on Learning and Instruction (Earli), Leuven, Belgium
- 2009-date Science, Technology, Engineering and Mathematics (STEM) ambassador

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- 07/2010-ongoing Science teachers' professional development needs in Saudi Arabia, funded by King Saud University (The Excellence Centre of Science and Mathematics Education)
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Research grants

I have recently submitted the following bids:

- 2009 International Committee (IC) scholarship, National association for Research in Science Teaching (NARST) 2009, USA. I was the main applicant and it was successful.
- 2009 Overseas Conference Grant, the British Academy. I was the main applicant and it was successful.
- 2009 European Commission bid, FP7; entitled “Science Education for Diversity”. I am a co-applicant and the main coordinator between the project partners. The fund of this project is a maximum of 999,999 Euro for 36 months.

PhD Supervision experiences

- Electronic brainstorming in Saudi primary education
- Teacher’s role change in Kuwait’s future schools
- Educators and pre-service teachers’ perception of the Islamic art in Kuwait
- Evaluation of the science Curriculum at intermediate schools in the state of Kuwait from teachers’ viewpoints
- An Investigation into Nigerian teachers’ changing beliefs and practices in a computer-supported collaborative learning environment
- Integrating technology in the Public Authority of Applied Education and Training PAAET: Preparing teachers to use Learning Management System LMS (Action research)
- Investigation of Saudi Arabia science teachers’ perceptions of the integration of ICT in the classroom

External examiner

- An External Examiner of a PhD Thesis “Co-operative Learning in Saudi Arabia” for Southampton University, UK.
- An External Examiner of a PhD Thesis for University of Sydney University, Australia.
- A Panel Member in a validation for a Bachelor of Education programme for the Arab Open University.

Membership of social associations

2004-2006 President of Egyptian Students Union in Exeter, UK.

Publications

Books

Mansour, N. (2008). *Models of Understanding Science Teachers' Beliefs and Practices: Challenges and Potentials for Science Education*. VDM Verlag Dr. Mueller e.K.

Mansour, N. & Wegerif, R. (in preparation). *Science Education for Diversity in the Knowledge Society: Theory and Practice*, New York: Springer

Book chapters

Mansour, N. (2009). Religion and Science Education: An Egyptian Perspective. In S. Boujaude and Z. Dagher (Eds.) *The World of Science Education: Handbook of Research in the Arab States* (pp. 107-132). Rotterdam: Sense Publishers.

Wegerif, R. and Mansour, N. (2010) A dialogic approach to technology-enhanced education for the global knowledge society. In M. Khine, & I. Saleh (Eds.) *New Science of Learning: Cognition, Computers and Collaboration in Education* (pp325-340), New York, Springer.

Published papers

Mansour, N. (2007) Challenges to STS: Implications for science teacher education. *Bulletin of science, technology and society*. 27, (6), 482-497.

Mansour, N. (2008) the experiences and Personal Religious Beliefs of Egyptian science teachers as a framework for understanding the shaping and reshaping of their beliefs and practices about Science-Technology-Society (STS). *International Journal of Science Education*, 30 (12), 1605-1634.

- Mansour, N. (2008). Religious beliefs: A hidden variable in the performance of science teachers in the classroom. *European Educational Research Journal*. 7 (4) 557-576.
- Mansour, N. (2009). Science-Technology- Society (STS): A new paradigm in Science Education. *Bulletin of science, technology and society*. 29(4), 287-297.
- Mansour, N. (2009). Science teachers' beliefs and practices: issues, implications and research agenda. *International Journal of Environmental and Science Education* 4(1), 25-48.
- Mansour, N. (2010). Science teachers' interpretations of Islamic culture related to science education Vs. the Islamic epistemology and ontology of science. *Cultural studies of Science Education*. 5(1), 127-140.
- Mansour, N. (2010). The representation of scientific literacy in Egyptian science textbooks, *Journal of Science Education*, 11 (2), 91-95.
- Mansour, N. (2010). The impact of the knowledge and beliefs of Egyptian science teachers in integrating an STS based curriculum" *Journal of Science Teacher Education*. 21(4), 513- 534.
- Mansour, N., & Wegerif, R. (2010). التعلّم في مرحلة الطفولة المبكرة في مجتمع المعرفة (Early childhood learning in the knowledge society). *Journal of Arab Children* (Kuwait), 11 (43), 8-28.
- Mansour, N. (2010). Exploring science teachers' beliefs, intentions and practices about teaching and learning Science-Technology-Society (STS) issues, *Eurasian Journal of Physics and Chemistry*, 2(2):123-157.
- Wegerif, R., McLaren, B., Chamrada, M., Scheuer, O., Mansour, N., Mikšůtko J. & Williams, M. (2010). Exploring creative thinking in graphically mediated synchronous dialogues. *Computers and Education*. 54(3), 613-621.
- Mansour, N. (2011). Egyptian science teachers' views of science and religion vs. Islamic perspective: conflicting or complementing? *Science Education*. (95), 281-309.
- Mansour, N. (In press). Modelling the Sociocultural Contexts of Science Education: The Teachers' Perspective. *Research in Science Education*.

Research papers under review with Editors

- Turkish Elementary Teacher's Views of Science–Technology–Society–Environment
- Perceived Professional Development Needs for Saudi Arabian Science Teachers

Research reports

Wegerif, R; Chamrada, M; De laet, M., Williams, M., Mansour, N., & Hever, R (2008). *Patterns of interaction and intervention rules*. D5.2, Argonaut, Project number: 027728, a Project funded by the European Commission within the Sixth Framework Programme.

Asterhan, C., Wichmann, A., Mansour, N., Wegerif, R., Hever, R., Schwarz, B., & Williams, M. (2008). *Evaluation report on the pedagogical content of ARGUNAUT system*. D6.3, Argonaut, Project number: 027728, a Project co-funded by the European Commission within the Sixth Framework Programme.

Asterhan, H., Mansour, N. & Wichmann, A. (2008). *Tools for the final evaluation phase*. Annex to D6.2, Project number: 027728, a Project co-funded by the European Commission within the Sixth Framework Programme.

Mansour, N., Wegerif, R, Williams, M., & Chamrada, M. (2009). Interloc case study in Exeter: How effective is an online structured dialogue environment Using Interloc in supporting critical and creative thinking? In Ravenscroft, A., McAlister, S. & Sagar, M. Digital Dialogue Games (DDGs): Cross-institutional implementation and evaluation of digital dialogue games for inclusive and personalised learning. JISC Final Project Report

Conferences

Mansour, N. (2004). *Does the Egyptian preparatory science curriculum provide for the development of the Scientific Literacy (SL)?* A paper presented at The School's Annual Staff Student Research Conference, at Exeter University, UK, May 14.

Mansour, N. (2006). *The mediating factors between Egyptian science teachers' beliefs and practices concerning teaching science through Science-Technology-Society (STS): Implications for teacher education*. A paper presented at the British Educational Research Association (BERA) annual conference at Warwick University, UK, September 6 - 9.

- Mansour, N. (2007). *Exploring Science teachers' orientations towards teaching and learning of science*. A paper presented to the European Educational Research Association (EERA) annual conference at Faculty of Psychology and Educational Sciences, University of Ghent, Belgium (Ghent), 17th to 21st September.
- Mansour, N. (2007). *Grounded Theory and the existing theories: A call for a step further*. A paper accepted at The School's Annual Staff Student Research Conference, at Exeter University, UK, May 12.
- Mansour, N., & Alhodithy, A. (2007). *Teacher motivation to implement cooperative learning (CL) and social constraints in Saudi Arabia (SA) secondary schools*. A paper accepted at The Saudi Innovation Conference, University of Newcastle, Newcastle, UK, May.
- Mansour, N. (2007). *Investigating science teachers' beliefs, intentions and practices about teaching/learning science-technology-society (STS) issues*. A paper accepted at the British Educational Research Association (BERA) annual conference at Institute of Education, University of London, UK, 5th – 8th September.
- Mansour, N. (2007). *Models of the relationship between science teachers' beliefs and practice in the classroom*. A paper accepted at the British Educational Research Association (BERA) annual conference at Institute of Education, University of London, UK, 5th – 8th September.
- Mansour, N. (2007). *Religious beliefs: a hidden variable in the performance of teachers in the science classroom*. A paper presented at the European Educational Research Association (EERA) annual conference at Faculty of Psychology and Educational Sciences, University of Ghent, Belgium (Ghent), 17th to 21st September.
- Mansour, N., & Alhodithy, A. (2007). *Cooperative Learning in Saudi Arabia schools: teachers' understanding and intentions*. A paper presented at the British Educational Research Association (BERA) annual conference at Institute of Education, University of London, UK, 5th – 8th September.
- Mansour, N. (2007). *Secondary school teachers' views of the Multiple Intelligence theory as an inclusive pedagogy*. A paper presented to the European Educational Research Association (EERA) annual conference at Faculty of Psychology and Educational Sciences, University of Ghent, Belgium (Ghent), 17th to 21st September.
- Mansour, N. (2007). *Exploring Science teachers' orientations towards teaching and learning of science*. A paper presented to the European Educational Research Association (EERA) annual conference at Faculty of Psychology and

Educational Sciences, University of Ghent, Belgium (Ghent), 17th to 21st September.

Mansour, N., De Laat, M., Chamrada, M., & Wegerif, R. (2008). *E-Moderation using moderator Interface (MI) to activate online discussion and networked learning*. A paper accepted for presentation at the European Educational Research Association (EERA) annual conference at, University of Cteborg, Sweden, 8th to 12th September.

Mansour, N., & Skinner, N. (2008). *Multi-Grounded Theory as a research methodology for theory development in education*. A paper accepted for presentation at the European Educational Research Association (EERA) annual conference at University of Cöteborg, Sweden, 8th to 12th September.

Mansour, N. (2008). *Interplay of Science teachers' pedagogies and experiences with ICT*. A paper accepted for presentation at the European Educational Research Association (EERA) annual conference at University of Cöteborg, Sweden, 8th to 12th September.

Mansour, N. (2008). *Integrative perspectives of understanding Science teachers' beliefs and practices* . A paper accepted for presentation at the British Educational Research Association (BERA) annual conference at Heriot Watt University, Edinburgh from 3-6th September.

Mansour, N. (2008). *Socio-cultural context of Egyptian science teachers as a framework for understanding their beliefs and practices*. A paper accepted for presentation at the British Educational Research Association (BERA) annual conference at Heriot Watt University, Edinburgh from 3-6th September.

Mansour, N. (2009). *Challenges and Opportunities for Science Education in Arab States'* the symposium proposal has been accepted for presentation at the NARST 2009 Annual Conference in Garden Grove, California on April 17th – 21st.

Wegerif, R., McLaren, B.M., Chamrada, M., Scheuer, O., Mansour, N. & MikšŮtko, J. (2009). *Recognizing Creative Thinking in Graphical e-Discussions using Artificial Intelligence Graph-Matching Techniques*. Accepted for presentation at the 8th International Conference on Computer Supported Collaborative Learning (CSCL-09), June 8-13, University of the Aegean, Rhodes, Greece.

McLaren, B.M., Wegerif, R., MikšŮtko, J., Scheuer, O., Chamrada, M., & Mansour, N. (2009). *Are Your Students Working Creatively Together? Automatically Recognizing Creative Turns in Student e-Discussions*. Accepted for presentation at the 14th International Conference on Artificial Intelligence in Education (AIED-09), July 8-10, Brighton, UK.

- Mansour, N., Wegerif, R. Postlethwaite, K., Skinner, N., Williams, M., Chamrada, M., & Hetherington, L. (2009). *How effective is an online structured dialogue environment in supporting reflection on the Nature of Science?* A paper has been accepted for presentation at Earli conference, 25th -29th August 2009, Amsterdam, The Netherlands.
- Mansour, N. (2009). *An online structured dialogue environment in exploring and supporting the conceptual change of science teachers' thinking of the Nature of Science*, ESERA conference, August 31st - September 4th 2009, Istanbul, Turkey.
- Mansour, N. (2010). *Sharing knowledge using text-based structured dialogue environment in understanding and promoting the conceptual change of science teachers' thinking of the Nature of Science*. the NARST 2010 Annual International Conference Research into Practice: Practice Informing Research in Philadelphia, on March 21st – 24th.
- Mansour, N. (2011). *Sociocultural Contexts of Science Teachers' Beliefs and Practices: Teachers' Perspective*. the NARST 2011 Annual International Conference Global Sustainability and Public Understanding of Science: The Role of Science Education Research in the International Community in Orlando, FL, April 3-6, 2011.
- Mansour, N. & Shamrani, S. (2011). *Perceived Professional Development Needs for Saudi Arabian Science Teachers*. A Paper presented at ESERA conference, France, Lyon, September 5th -10th.