

# Marwa Eltanahy

UAE, Dubai • 0501493497 • marwatanahy@gmail.com

I am pleased to submit my application for a faculty position at your esteemed University. With over 18 years of experience in both basic and higher education, I bring a deep commitment to teaching excellence, applied research, and community service. My background spans teaching, program coordination, teacher training, research, and accreditation, and I have demonstrated strong leadership in creating and implementing educational strategies that align with the UAE's vision for educational growth.

In teaching excellence, I have a rich history of delivering high-quality education that aligns with international accreditation standards. My teaching philosophy is rooted in constructivist and student-centered practices, employing inquiry, cooperative learning to create engaging, relevant experiences. My role as Senior Course Team Leader (SCTL) has been instrumental in developing a research-informed science course that integrates STEM practices in education. This course is both competency-based and structured around the latest STEM methodologies to prepare students for real-world educational environments. My approach prioritizes inquiry-based, collaborative, and project-driven learning experiences, fostering a dynamic and student-centered classroom environment. Additionally, I integrate interactive platforms and AI tools to enhance student engagement and promote deeper learning.

In applied research and publication, I am dedicated to contributing cutting-edge insights into entrepreneurial-STEM (E-STEM) education, including publishing a series of studies that advance our understanding of pedagogical growth and entrepreneurial competencies within STEM. I actively collaborate with esteemed universities and government bodies, such as the British University in Dubai, Exeter University, Qatar University, and Dubai's Ministry of Education, ensuring that my research aligns with institutional goals and impacts the broader educational landscape. My recent publications in high-ranked Q1 journals, including articles with publishers like Elsevier, Sage, and Springer, reflect my commitment to scholarly excellence and innovation.

Additionally, I bring advanced experience in post-graduate education. I previously held the rank of Assistant Professor (part-time) at Al Ain University, where I taught in the Diploma program. Currently, as a regular guest speaker at the British University in Dubai, I work with PhD students in education, teaching research methods and providing guidance on their research projects for further development. This experience, combined with my contributions to doctoral-level education, earned me the recognition of Senior Fellow from Advance HE. My ongoing commitment to post-graduate mentorship and research reflects my capacity to perform at a higher academic level and my readiness to take on new responsibilities.

In community service, I am committed to building strong educational partnerships and supporting teacher development. As the Teaching Practicum Coordinator, I have established collaborative relationships with schools, created field experiences for students, and organized the STEM Future Teacher event, which connects students with industry and educational leaders to showcase their projects. I also contribute to multiple committees at HCT, including the research committee, Accreditation CAA Committee and the Advising and At-Risk Students Committee, where I work toward enhancing educational quality and supporting the development of future educators. My ongoing work as a reviewer in academia strengthens my contributions to the educational community and further develops my research competencies.

My experience as an academic coordinator and vice principal in basic education, combined with my roles in higher education, has equipped me with a unique blend of skills essential for fostering a culture of educational excellence. My dedication to supporting staff development, managing academic programs, and creating impactful research environments demonstrates my commitment to achieving the highest standards in teaching, research, and community engagement.

Thank you for considering my application. I am excited about the opportunity to contribute to your university and to collaborate with colleagues who share a commitment to excellence in education.

Warm regards,  
Dr. Marwa Eltanahy

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**e-Portfolio:**  
<https://dr-eltanahy.com/>

**Academia**  
<http://buid.academia.edu/MarwaEltanahy>

**ORCID**  
<https://orcid.org/0000-0002-0615-9691>

**ResearchGate**  
[https://www.researchgate.net/profile/Marwa\\_Eltanahy](https://www.researchgate.net/profile/Marwa_Eltanahy)

#### Referees

**Prof. Sufian Forawi**  
Professor of Science Education  
The British University in Dubai,  
UAE Tel: +971501270746  
[sufian.forawi@buid.ac.ae](mailto:sufian.forawi@buid.ac.ae)

**Prof. Nasser Mansour**  
Professor of Education  
Qatar University, Qatar  
Tel: +97433413088  
[N.mansour@qu.edu.qa](mailto:N.mansour@qu.edu.qa)

**Dr. Aysha Alshamsi**  
Associate Professor  
Faculty of Education  
Emirates School of Advanced Education  
Tel: 0552219321 [a.alshamsi@ecae.ac.ae](mailto:a.alshamsi@ecae.ac.ae)



# RESUME

**Marwa Eltanahy**  
Doctor of Philosophy of education  
Senior Fellow \_ Advance HE



## • PERSONAL INFORMATION

### Date of birth:

9<sup>th</sup> November 1975

**Nationality:** Egyptian

**Marital Status:** Married with three children

**Languages:** Arabic / English

UAE driving license

Resident visa sponsored by HCT

## • PROFILE

Self-motivated & goal-oriented leader with successful track records in education.

Recognized for exceptional achievement and the ability to work in a team.

## • SKILLS

- Teaching & learning skills
- Communication & presentation skills
- Management & leadership skills
- Work independently and as a team member

## • EXPERIENCE

• **Lecturer, Teaching Practicum Coordinator**  
Higher Colleges of Technology, Faculty of Education  
August 2021 – Present

• **Item Writer (Part-Time)**  
Ministry of Education (MOE)  
July 2020 – Present

• **Assistant Professor (Part-Time)**  
Al Ain University, Faculty of Humanities and Social Sciences  
July 2022 – Present

• **Academics Head. Acting Vice Principal**  
City American School, Ajman  
August 2020 – August 2021

• **Curriculum Coordinator**  
American School of Creative Science  
August 2019 – August 2020

• **Head of Science Department**  
American School of Creative Science  
December 2018 – July 2019

• **Academic Trainer (Part-Time)**  
All Prints Distributors & Publishers  
September 2015 – May 2017

• **Science Teacher**  
Al Ittihad Private School, Mamzar  
August 2012 – July 2014

- Effective use of assessment data to enhance curriculum and instruction
- Strong organizational and detail-oriented skills
- Organized... Reliable... Enthusiastic... dedicated
- Passionate researcher
- Digital Literacy and AI exploration and application

- **Science Teacher**  
Dubai Modern Education School, UAE  
August 2007 – July 2012

- **Science Teacher**  
Ministry of Education, Egypt  
August 2003 – July 2006

## • EDUCATION

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- **PhD of education** in The British University in Dubai. Stream: Management and leadership - 2019.
- **Master's in science education (MED)**. British university in Dubai – UAE 2015, with distinction.
- **Post-Graduate Diploma** (Bacteriology), Mansoura University – Egypt 1998
- **Bachelor of Science**, Major: Chemistry & Botany Department, Mansoura University- Egypt 1997.



## PUBLICATION & RESEARCH ACTIVITIES

### Marwa Eltanahy

Doctor of Philosophy of education  
Senior Fellow Advnace HE

Implementing research and publishing results are crucial for the scientific community concerning education. Writing is an essential mean for communicating scientific work, research and publication complement teaching and training that all add to the body of knowledge. I believe that my experience in the educational field, partnered with my research studies in Science education, STEM education, Entrepreneurship, Early Childhood Education, teaching and learning instruction, curriculum, and assessment, in addition to reviewing different authors' articles position me well to contribute to enhancing education reform.

[marwatanahy@gmail.com](mailto:marwatanahy@gmail.com)

Mobile: +971-50- 1493497



## • ACADEMIC JOURNALS

### • PROFILE

Self-motivated & goal-oriented researcher with successful track records in education.



- Eltanahy, M. & David, S. A. (2018). A study investigating the factors influencing predominant teaching strategies used in American curriculum schools in the United Arab Emirates. *International Journal of Teaching and Case Studies*, 9 (3), 275-290. <https://doi.org/10.1504/ijtc.2018.10014660>
- Eltanahy, M. (2018). Teacher Leadership Potential: Assessment in the light of teachers' perceptions in UAE. *Journal for Researching Education Practice and Theory*, 1(1), pp. 28-55.
- Eltanahy, M. & Forawi, S. (2019). Science teachers' and students' perceptions regarding the implementation of inquiry instruction in a middle school in Dubai. *International Journal of Education*, 199(1), pp. 13-23. <https://doi.org/10.1177/0022057419835791>
- Eltanahy, M., Forawi, S. & Mansour, N. (2020a). STEM leaders' and teachers' views of the integration of the entrepreneurial practices into STEM education in high school in the United Arab Emirates. *Entrepreneurship Education*, 3(2), 133-149. <https://doi.org/10.1007/s41959-020-00027-3>
- Eltanahy, M., Forawi, S. & Mansour, N. (2020b). Incorporating entrepreneurial practices into STEM education: Development of interdisciplinary E-STEM model in high school in the United Arab Emirates. *Thinking Skills and Creativity*, 37(3), 100697. <https://doi.org/10.1016/j.tsc.2020.100697>
- Eltanahy, M., & Mansour, N. (2022). Promoting UAE entrepreneurs using E-STEM model. *Journal of Educational Research*, 115(5), 273-284. <https://doi.org/10.1080/00220671.2022.2124218>
- Eltanahy, M., & Mansour, N. (2024). Developing a rubric for assessing students' competencies in entrepreneurial-STEM learning context. *Innovations in Education and Teaching International*, 1-17. <https://doi.org/10.1080/14703297.2024.2311701>
- Eltanahy, M., & Mansour, N. (2024). Fostering Teacher Pedagogical Growth through Entrepreneurial-STEM Literacy Development. *Res Sci Educ*

## • CONFERENCES

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- Eltanahy, M. (2016). Differentiating types of inquiry practices that are implemented in Chemistry and mathematics classes in Dubai, UAE. *International Journal of Multidisciplinary Research (IJMR)*, vol. 9(1), pp. 30-35. Available at: <http://www.buid.ac.ae/E-Portfolios-for-Assessment-and-Learning-at-Universities#.WTrObTOB3EY>
- Eltanahy, M. (2017). Assessment in the context of teaching: Investigating teachers' perceptions of assessment practices that enhance the learning process. 3<sup>rd</sup> Doctorate Research Conference (DBRC 2017). The British University in Dubai, Dubai, UAE. Available at: <https://www.youtube.com/watch?v=CrhI06iKvMg>  
<http://content.buid.ac.ae/bdrc/BDRC2017-Full-Proceedings-Faculty-of-Education.pdf>
- Eltanahy, M. (2018). Science Teachers' and Students' Perceptions Regarding the Implementation of Inquiry Instruction in a Middle School in Dubai. Fourth UAE Graduate Students Research Conference (GSRC 2018). Saturday, April 21, 2018. American University of Sharjah, Sharjah, UAE
- Eltanahy, M. (2019). Incorporating Entrepreneurial Practices into STEM Education: Development of Interdisciplinary E-STEM Model in High School in the United Arab Emirates. The 5<sup>th</sup> International Conference in Education. UAE. 4-5 November 2019.
- Eltanahy, M., Mansour, N. & Forawi, S. (2020). Incorporating Entrepreneurial Practices into STEM Education: Development of Interdisciplinary E-STEM Model in High School in the United Arab Emirates. The 6th International Conference on Education (ICEDU 2020). 3<sup>rd</sup> – 05<sup>th</sup> April 2020. The International Institute of Knowledge Management, Thailand.
- Eltanahy, M. & Mansour, N. (2022). Implementation of Interdisciplinary E-STEM Model to Prepare High School Students in the United Arab Emirates for the Labour Market. The 8th International Conference on Education (ICEDU 2022). 24<sup>th</sup>– 26<sup>th</sup> April 2022. The International Institute of Knowledge Management. **Rewarded as the best presentation**
- Eltanahy, M. (2022). Entrepreneurship in the context of STEM: opportunities and challenges of E-STEM learning in secondary education. Virtual conference of educational management & leadership. 28<sup>th</sup> May 2022. The British University in Dubai
- Eltanahy, M. & Mansour, N. (2023). Assessment in the Context of entrepreneurial-STEM: Creating a rubric to assess E-STEM projects in the United Arab Emirates. The 9th International Conference on Education (ICEDU 2023). 16<sup>th</sup>– 17<sup>th</sup> March 2023. The International Institute of Knowledge Management.
- Lesile, P. & Eltanahy, M. (2024). Exploring the Mentor School Teachers' Needs to Mentor Pre-Service Teachers. The International Conference on Education (ADU ICEDU 2024). 2<sup>nd</sup>-3<sup>rd</sup> October 2024. Abu Dhabi University.

## • BOOK CHAPTERS

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- Eltanahy, M. (2018). A study in STEM policy implementation in UAE: Science teachers' readiness to STEM education in the light of their perception. (pp.129-152). In David, S.A., & Abdulai, A. (2018). Eds. *Education Policies in the Age of Social Advancement: Studies from the United Arab Emirates*. Scholars' Press.
- Eltanahy, M. (2021). *Inquiry-based Learning in the Context of TIMSS*. Forwai, S. (2020). Science and Mathematics Education in Multicultural Context. Common Ground Research Networks. doi:10.18848/978-1-86335-225-<https://lnkd.in/dPgs4jf>
- Eltanahy, M. Forawi, S., Mansour, N. (2021). *The Diffusion of Entrepreneurship Practices at Schools through STEM Education*. Mansour, N. & EL-Deghaidy, H.: STEM in science education and S in STEM: from Pedagogy to learning. Rotterdam: Brill-Sense Publishers. <https://lnkd.in/eet-f-p>
- Eltanahy, M. (2023). *Innovative Pedagogy and Practice for E-STEM Learning*. Peter-Burton, E. & Kaya, S.: *Enhancing Entrepreneurial Mindsets through STEM Education*. Springer Nature
- Eltanahy, M. (2023). *Curriculum Design Framework for E-learning*. ElSary, A. & Olowoselu, R.: *Overcoming challenges in online learning: Perspectives from Asia and Africa*. Routledge: Taylor & Francis Group.
- Eltanahy, M. (2024). Pedagogical Assessment Principles of Entrepreneurial-STEM Learning. In: ElSary, A., Olowoselu, R. (eds) *Interdisciplinary Approaches for Educators' and Learners' Well-being*. Springer, Cham
- Eltanahy, M. (2024). Theory-Informed Approaches to Educational Administration. In: ElSary, A., Olowoselu, R. (eds) *International Perspectives on Educational Administration using Educational Inquiry*. Routledge.

## • MAGAZINES

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Eltanahy, M. (2023). Entrepreneurial-STEM Learning. STEM Best Practice Magazine. <https://magazine.stembestpractice.com/may2023/viewer/desktop/>

Eltanahy, M. (2023). Igniting Innovation: The Power of Entrepreneurial STEM Learning in Higher Education. Higher Education Digest. <https://www.highereducationdigest.com/igniting-innovation-the-power-of-entrepreneurial-stem-learning-in-higher-education/>

Eltanahy, M. (2023). Unlocking the Power of Entrepreneurial-STEM Learning: Essential Tips for Schools to Shift STEM Paradigms from Invention to Entrepreneurship. K-12 Digest. <https://www.k12digest.com/magazine-december-2023/>