	Name	Ragab El-Sayed Abdel-Hamid El-Mehy
	Name in Scientific Publications	Ragab El-Sayed Abdel-Hamid El-Mehy
	Current Job & Place of work	Professor of Curriculum & Instruction Faculty of Education – Helwan University
	Academic Degree	Professor of Curriculum & Instruction Faculty of Education – Helwan University

General Specialization	Professor of Curriculum & Instruction
Specific Specialization	Science
E-mail Address	**ragabalmeehy@gmail.com**
Academic Qualifications	- **Bahelor of Science and Education**, Overall Grade: Very Good with Honors – Faculty of Education, Alexandria University, 1980. - **Special Diploma in Education**, Overall Grade: Very Good – Faculty of Education, Alexandria University, 1982. - **Master's Degree in Education** (Specialization: Curriculum and Methods of Teaching Science), Faculty of Education, Helwan University, 1987. *Thesis Title:* "Planning Educational Units that Achieve Integration between Science Curricula and Practical Fields at the Second Stage of Basic Education." - **Doctor of Philosophy (PhD) in Education** (Specialization: Curriculum and Methods of Teaching Science), Faculty of Education, Helwan University, 1992. *Dissertation Title:* "The Effectiveness of a Proposed Program in Genetic Engineering for Science Section Students at Faculties of Education."
Curriculum Vitae (C.V.)	• Dean of the Faculty of Education, Helwan University, from 9/10/2011 to 8/4/2014, then Professor at the same faculty from that date until present. • Vice Dean for Community Service and Environmental Development, Faculty of Education – Helwan University, from 22/3/2009 until October 2011. • Professor of Curriculum and Methods of Teaching Science, Faculty of Education – Helwan University, from 30/5/2004.

	• Associate Professor, Department of Curriculum and Instruction, Faculty of Education – Helwan University, from 29/3/1999 to 29/5/2004. • Associate Professor, Department of Curriculum and Instruction, Faculty of Education – Kuwait University, from the academic year 1997/1998/1999 to 23/6/2000. • Visiting Professor, Faculty of Education – United Arab Emirates University, during the first semester of the academic year 1995/1996. • Lecturer, Department of Curriculum and Instruction, Faculty of Education – Helwan University, from 27/9/1992 to 28/3/1998. • Assistant Lecturer, Department of Curriculum and Instruction, Faculty of Education – Helwan University, from 20/6/1987 to 26/9/1991. • Teaching Assistant, Department of Curriculum and Instruction, Faculty of Education – Helwan University, from 10/10/1983 to 19/7/1987.
Published Research	• **August 1993 –** Fifth Scientific Conference of the Egyptian Association for Curriculum and Instruction, *"Towards Better Secondary Education"* *Scientific issues related to the dimensions of the relationship between science, technology, and society in light of secondary school students' needs.* • **September 1994 –** *Journal of Educational Sciences*, Institute of Educational Research, Cairo University *The effect of flow charts in presenting analytical chemistry procedural content for independent and dependent university students through self-learning instructional material.* • **June 1995 –** *Journal of Educational and Social Studies*, Faculty of Education, Helwan University *A meta-analysis of the results of individualized learning research in science.* • **December 1996 –** *Journal of Education*, Al-Azhar University *The effect of interaction between quantitative and qualitative variables in presenting positive and negative examples on preparatory stage students' achievement of scientific concepts.* • **January 1997 –** *Journal of Educational and Social Studies*, Faculty of Education, Helwan University *Effectiveness of using multimedia in developing scientific drawing skills among student teachers.* • **1998 –** Reference Paper *Modern trends in mastery learning in science.* • **June 2000 –** *Journal of Education*, Al-Azhar University *Future visions for biological science curricula in secondary education at the beginning of the twenty-first century.* • **June 2000 –** *Journal of Educational and Social Studies*, Faculty of Education, Helwan University *The effect of different types of concept maps and their presentation styles on university students' achievement in biological sciences.*

	• **September 2002 –** *Journal of Science Education*, Egyptian Society for Science Education *Current paths of research in biological science education and their future directions: an analytical survey study.* • **March 2003 –** *Journal of Science Education*, Egyptian Society for Science Education *Effectiveness of a proposed program in nutrition and natural food therapy based on behavior maps and self-learning for science section students at faculties of education.* • **September 2003 –** *Journal of Science Education*, Egyptian Society for Science Education *The effect of different patterns of practicing educational activities within a proposed teaching model based on technological innovations and constructivist theory on achievement and the development of creative thinking in science among secondary students with internal and external locus of control.* • **April 21–22, 2008 –** First International Conference, Faculty of Education, Helwan University, *"Teacher Preparation and Development"* *Development trends in specialized preparation programs for science teachers at faculties of education.* • **January 2009 –** *Journal of Educational and Social Studies*, Faculty of Education, Helwan University *Effectiveness of a proposed brain-compatible chemistry learning environment design in developing habits of mind and achievement among secondary school students with different information processing styles.* • **January 2015 –** *Journal of Educational and Social Studies*, Faculty of Education, Helwan University *The applied feasibility of results from scientific research based on active learning strategies and methods in science.* • **July 2016 –** *Journal of Educational and Social Studies*, Faculty of Education, Helwan University *Biology experts' perceptions of teaching nanobiology concepts to general secondary education students as an entry point for cognitive empowerment and building a knowledge society.*
Awards	**Best Published Research Award** from the *Journal of the Egyptian Society for Science Education*, 2002, for the paper entitled: *"Effectiveness of a Proposed Information-Processing Strategy in Teaching Biological Innovations to Faculties of Education Students (Science Specialization) with Different Learning Styles."*

Personal Photo	**Name**	Amany Ahmed ElMohamady Hassaneen
	Name in Scientific Publications	Amany Ahmed ElMohamady Hassaneen
	Current Job & Place of work	Professor in science education Faculty of Education-Helwan University
	Academic Degree (University & Country names)	Professor in science education Faculty of Education-Helwan University
General Specialization		Curricula and Instruction
Specific Specialization		Science Education
E-mail Address		Amanyhussein35@yahoo. com
Academic Qualifications		• Bachelor of Science and Education, Chemistry and Physics Department, Faculty of Girls for Science & Literature, Ain Shams University, 1983, Very Good Mark. • Special Diploma in Education, Two-Year System, Faculty of Girls for Science & Literature, Ain

	Shams University, 1985, Very Good Mark. • Master Degree of Education, Educational Research and Studies Institution, Cairo University, 1995, Excellent Mark. • Philosophy Degree of Education, school of Education and Lifelong learning, University of Exeter, United Kingdom, 2003.
Curriculum Vitae (C.V.)	• Science Teacher - Ministry of Education from 1983 - 1990. • Demonstrator, Assistant Researcher, then Researcher at the National Centre of Educational Research and Development from 1990 to 2007. • Lecturer, Curricula & Instruction Department, Faculty of Education, Helwan University, from 2006- 2013. • Associate Professor, Curricula & Instruction Department, Faculty of Education, Helwan University, from 2013 until 2019. • Professor, Curricula & Instruction Department, Faculty of Education, Helwan University, from 2019 until now
Published Research	Hassaneen, A. A.,(2007)**,** Effectiveness of "Content and Pedagogy of a Science Methods" Course on Improving Prospective Teachers' Teaching Performance, ***Journal of Education World***, Association of Modern Education, Cairo, Egypt.(In English). Hassaneen, A. A., (2008), A Suggested Model of Clinical Supervision for Improving Prospective Science Teachers' Teaching Skills – Case Study, ***Journal of Education Faculty***, Tanta, University, Tanta, Egypt. (In English). Hassaneen, A. A., (2009), Social Constructivism as a Theoretical Framework for Improving Science Teaching and Learning-An Investigative Study. Paper Presented to the Annual Conference of Faculty of Education 'Technological Challenges and Development of Educations'***, Journal of Education Faculy***, Zagazig University, Zagazig, Egypt. (In English). Hassaneen, A. A., (2010), The Role of Beliefs in Learning and Teaching Science, An Exploratory Study. ***Journal of Education Faculty***, Zagazig University, Zagazig, Egypt.

	Hassaneen, A. A., (2011), Effectiveness of socio-scientific controversial issues based on social constructivist model in developing critical thinking and achievement for student teachers. ***Journal of Education Faculty***, Beni-Swiff University, Egypt. Hassaneen, A. A., (2012), The Effectiveness of Differentiating Instruction in the Development of Science Achievement and Life Skills for the Deaf and Hard of Hearing. ***Journal of Science Education***, Ain Shams University, Cairo, Egypt.
Awards	Award for the best PhD thesis in 2003 from the science education society journal

	Name	Iman Abdel-Karim Kamel Noweigy
	Name in Scientific Publications	Iman Abdel-Karim Kamel Noweigy
	Current Job & Place of work	Professor of Curriculum & Instruction Faculty of Education – Helwan University
	Academic Degree	Professor of Curriculum & Instruction Faculty of Education – Helwan University

General Specialization	Professor of Curriculum & Instruction
Specific Specialization	Science
E-mail Address	enewagy@yahoo.com
Academic Qualifications	•B.Sc. in Science and Education, Very Good with Honors – Ranked first in class – Faculty of Education, Helwan University, May 1997. •Diploma in Education (Specialization: Curriculum and Training Program Development), Excellent – Faculty of Education, Helwan University, May 1998. •Special Diploma in Education, Very Good – Ranked first in class – Faculty of Education, Helwan University, May 1999. • M.Ed. in Curriculum & Instruction, Faculty of Education, Helwan University, 2003. o Thesis Title: "Effectiveness of a proposed instructional strategy for developing creative thinking skills," aimed at developing fluency, flexibility, originality, and innovative relationships. • Ph.D. in Curriculum & Instruction, Faculty of Education, Helwan University, 2007. o Dissertation Title: "Effectiveness of a proposed learning environment design based on Wiggins & McTighe's Understanding by Design (UbD)," targeting the development of the six facets of scientific understanding (explanation, interpretation, application, perspective, empathy, and self-knowledge) in addition to decision-making skills.

Curriculum Vitae (C.V.)	**Researcher**, Department of Curriculum & Instruction – Helwan University *1 Dec 1997 – 7 Nov 2000* **Teaching Assistant:** *8 Nov 2000 – 22 Sep 2003* **Assistant Lecturer:** *23 Sep 2003 – 25 Aug 2007* **Assistant Professor:** *26 Aug 2007 – 30 Mar 2016* **Associate Professor:** *31 Mar 2016 – 3 Mar 2025* **Full Professor:** *4 Mar 2025 – Present*
Published Research	1 Effect of differences in science fiction reading strategies and styles on developing scientific imagination and attitudes toward science fiction among secondary students with different information-processing styles Educational & Social Studies Journal – Helwan Univ., Vol. 15, No. 3, July 2009 2 Effectiveness of a proposed e-learning & task-based science lab model in developing achievement, experimental inquiry, and motivation among 3rd preparatory students Faculty of Education Journal – Al-Azhar University, Issue 144, Sept 2010 3 Effectiveness of using action research (individual/participatory) to develop teaching performance and reflective thinking among science student-teachers Arab Studies in Education & Psychology (ASEP), Issue 24, Part 3, April 2012 4 Developing argumentation skills, modifying epistemological beliefs, and improving achievement using the modified POSSE strategy Educational & Social Studies – Helwan Univ., July 2014 5 A proposed vision for Grade 4 Science curriculum considering TIMSS 2015 standards Arab Studies in Education & Psychology, Issue 54, Oct 2014 6 Effectiveness of the Circular House Strategy in teaching biology to improve self-regulated learning strategies and achievement among Grade 10 students Educational & Social Studies – Helwan Univ., Jan 2015 7 Effectiveness of a proposed 3D learning model aligned with NGSS in improving nature of science understanding and achievement among Grade 8 students Educational &

	Social Studies – Helwan Univ., Vol. 24, Issue 2, April 2018 8 Effectiveness of a proposed nanotechnology unit based on STEAM in developing scientific sensitivity and nanotechnology awareness among Grade 7 students Journal of Educational Technology (Arab Association), Vol. 14, Issue 1, Jan 2023 9 Effectiveness of the BOPPPS model in teaching chemistry to develop productive thinking and achievement among Grade 10 female students with different learning styles Journal of Educational Technology, Vol. 14, Issue 3, July 2023 10 Effectiveness of a proposed climate-change program based on transformative learning in developing sustainability competencies among physics student-teachers with internal/external locus of control Fayoum Univ. Journal of Educational & Psychological Sciences, Vol. 17, Dec 2023 11 Effectiveness of an enrichment program based on the Chemical Entrepreneurship Approach (CEP) in developing life & career skills and social responsibility among secondary students Journal of Educational Sciences, Vol. 32, Issue 3, Part 2, July 2024 12 Effect of interaction between PHET simulation patterns and cognitive style on analytical thinking and learning enjoyment in physics among secondary students Journal of Educational Sciences, Vol. 32, Issue 4, Oct 2024
Awards	Appreciation Certificate – General Command of Ajman Police Appreciation Certificate – General Directorate of Residency & Foreigners Affairs, Ajman Appreciation Certificate – Excellence in Quality Center for Administrative Training – Abu Dhabi Appreciation Certificate – Ministry of Interior – Civil Defense, Abu Dhabi

	Name	Sahar hamdy fouad shafey
	Name in Scientific Publications	Sahar hamdy fouad shafey
	Current Job & Place of work	Assistant Professor of Curriculum and Instruction, Faculty of Education, Capital University (formerly Helwan University)
	Academic Degree (University & Country names)	Assistant Professor of Curriculum and Instruction Capital University (formerly Helwan University) – Arab Republic of Egypt
General Specialization		Science curricula and teaching methods.
Specific Specialization		Physics and Chemistry
E-mail Address		Dr.saharhamdy@gmail.com
Academic Qualifications		1. Bachelor of Science and Education with Honors, specializing in Physics and Chemistry (Arabic), May 2007, Faculty of Education, Helwan University. 2. Special Diploma in Education, specializing in Curriculum and Instruction, with a grade of Very Good, 2010, Faculty of Education, Helwan University. 3. Master of Education, specializing in Curriculum and Instruction, thesis title: "The Effectiveness of Mind Mapping and Learning Cycle Strategies in Developing Reflective Thinking and Achievement in Science among Preparatory School Students," with a grade of Excellent, 2011, Faculty of Education, Helwan University. 4. Doctor of Philosophy in Education, specializing in Curriculum and Instruction, thesis title: "The Effectiveness of Teaching Physics Using the Dialectical-Experimental and Systems Approaches in Developing Generative Thinking Skills and Scientific Awareness among First-Year Secondary School Students," with a grade of Excellent, 2015, Faculty of Education, Helwan University.
Curriculum Vitae (C.V)		1. Teaching Assistant, Department of Curriculum and Instruction, Faculty of Education, Helwan University, from March 5, 2008, to November 16, 2011. 2. Assistant Lecturer, Department of Curriculum and Instruction, Faculty of Education, Helwan University, from November 16, 2011, to June 30, 2015. 3. Lecturer, Department of Curriculum and Instruction, Faculty of Education, Helwan University, from June 30,

	2015, to May 30, 2022. 4. Assistant Professor (Associate Professor), Department of Curriculum and Instruction, Faculty of Education, Helwan University, from May 30, 2022, to the present. 5. Coordinator of the Chemistry Teacher Preparation Program (in Arabic and English), Quality Unit, Department of Curriculum and Instruction (new regulations). 6. Member of the Egyptian Society for Science Education. 7- Participating in training science teachers in the Ma'asara Educational Administration on science teaching strategies, as part of the joint cooperation activities between the Faculty of Education, Helwan University, and the Ma'asara Educational Administration. 8- Member of the judging panel for scientific information competitions in the Department of Scientific and Technological Activity for all faculties for the academic year 2024/2025. 9- Participating in the authorship of books, whether individually or collaboratively, such as (Scientific Culture, Teaching Skills, Methods and Strategies of Teaching Science, Introduction to Educational Activities and Life Skills for Primary School, Climate Change: Impacts and Methods of Confrontation, Environmental Science and the Green Trend, Active Learning Strategies). 10- Participating in the development of the department's study programs and courses. 11- Participating in the department's timetable committee and marking committees. 12- Participating in developing the course descriptions for the new regulations, such as (Field Training 1, Field Training 2, Field Training 3, Field Training 4, Field Training 5, and Climate Change).
Published Research	1. The effectiveness of a training program based on brain-based learning theory in developing cognitive flexibility, visual reasoning in physics, and self-regulation skills in learning among first-year secondary school students. 2. The effectiveness of a training program based on cognitive load theory in developing analytical thinking skills in chemistry, decision-making, and critical thinking skills among first-year secondary school students. 3. The effectiveness of two teaching diversification strategies in developing scientific inquiry skills and deep understanding in science among second-year preparatory school students. 4. The effectiveness of a training program based on nanotechnology concepts in light of constructivist theory

	in developing intellectual motivation, productive thinking, and scientific curiosity among chemistry students at the Faculty of Education. 5. The effectiveness of a proposed program in green chemistry and its applications in light of the successful intelligence theory for developing imaginative thinking and life skills among student teachers in the chemistry department at the Faculty of Education. 6. The effectiveness of an enrichment program based on problem-based learning for developing higher-order thinking skills and scientific awareness in science among preparatory school students. 7- The effectiveness of a proposed program based on the TPACK model for developing divergent thinking skills, self-efficacy, and technological awareness for student teachers in the science and mathematics departments at the Faculty of Education.
Awards	1. Certificate of appreciation from the Ma'asara Education Department for training school teachers on active learning strategies. 2. Certificate of appreciation from the Faculty of Education, Helwan University, for my participation in developing the course descriptions for the Teacher Preparation Program, specializing in Chemistry (Arabic and English).

Personal Photo	Name	Dr. Mohammed Mahmoud Abdel Razek Ali
	Name in Scientific Publications	Dr. Mohammed Mahmoud Abdel Razek Ali
	Current Job & Place of work	Lecturer at the Faculty of Education, Capital University
	Academic Degree (University & Country names)	PhD Lecturer, Faculty of Education, Capital University, Egypt
General Specialization		Curricula and Teaching Methods
Specific Specialization		Curricula and Methods of Teaching Science
E-mail Address		abdrazik@gmail.com
Academic Qualifications		Ph.D. in Philosophy of Education: Curricula and Methods of Teaching Science (2005) Master's Degree: Curricula and Methods of Teaching Mathematics (1999) Special Diploma: (1996) Bachelor of Science and Education: Basic Education (1987
Curriculum Vitae (C.V.)		•

Curriculum Vitae: Dr. Mohammed Mahmoud Abdel Razek Ali

Personal Information

- Name: Dr. Mohammed Mahmoud Abdel Razek Ali
- Scientific Publishing Name: Dr. Mohammed Mahmoud Abdel Razek Ali
- Current Position: Lecturer at the Faculty of Education, Capital University
- Academic Rank: PhD Lecturer, Faculty of Education, Capital University, Egypt
- General Specialization: Curricula and Teaching Methods
- Fine Specialization: Curricula and Methods of Teaching Science
- Email: abdrazik@gmail.com

Academic Qualifications

- Ph.D. in Philosophy of Education: Curricula and Methods of Teaching Science (2005)
- Master's Degree: Curricula and Methods of Teaching Mathematics (1999)
- Special Diploma: (1996)
- Bachelor of Science and Education: Basic Education (1987)

Professional Experience & Memberships

- Member: Egyptian Association for Science

	Education ● Coordinator: National Exams at Helwan University (2013–Present) ● Advisor: Scientific Committee of the Student Union, Faculty of Education, Helwan University (2012–Present) ● Science Education Expert: Al-Wafaa Al-Azhari Schools ● University Coordinator: Fund for Supporting Innovators and Geniuses, Ministry of Scientific Research (2023) ● Certified Trainer: National Council on Economic Education (NCEE), USA (2007) ● Director: Crisis and Disaster Management Unit, Faculty of Education (2016–Present) ● Certified Trainer (TOT): Helwan University (2019) ● Instructor: Qualification program for primary school science teachers for the university level
Published Research	The Effectiveness of a Proposed Educational Program to Provide University Students with Necessary Teaching Skills and Qualify Them to Work as Teachers in the Field of Literacy and Adult Education – Adult Education Center, Ain Shams University (2009) The Effectiveness of Using SMS Mobile Messaging in Solving Verbal Arithmetic Problems for Sixth Grade Primary Students – Journal of Educational and Social Studies, Faculty of Education, Helwan University (2017

Awards	

	Name	Tahya Mohammed Mahmoud Shokair
	Name in Scientific Publications	Tahya Mohammed Mahmoud Shokair
	Current Job & Place of work	Lecturer (PhD) – Department of Curriculum & Instruction, Faculty of Education, Helwan University.
	Academic Degree (University & Country names)	Lecturer (PhD) – Department of Curriculum & Instruction, Faculty of Education, Helwan University. Egypt.
General Specialization		Lecturer (PhD) – Department of Curriculum & Instruction.
Specific Specialization		Science
E-mail Address		Shokairtahya79@gmail.com
Academic Qualifications		*1-**B.Sc. in Science & Education** (Natural History) – Excellent with Honors, Faculty of Education, Helwan University, May 2001.* *2-**Professional Diploma in Education** (Curriculum Planning & Development) – Very Good, Faculty of Education, Helwan University, 2002.* *3-**Special Diploma in Education** (Curriculum) – Very Good, Faculty of Education, Helwan University, 2003.* *4-**M.Ed. in Curriculum & Methods of Teaching Science** – Thesis: "Effectiveness of the Frayer teaching Model in Developing Biological Concepts and interest's toward Science for First-Year Secondary school Students",*

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	Helwan University, 2007. *5-**Pre-Doctoral Studies in Curriculum**& **Instruction**– Very Good, Helwan University, 2008.* *6-**Ph.D. in Education (Curriculum** & **Methods of Teaching Science**) – Dissertation: " Effectiveness of a Proposed Program in Molecular Biology for Developing Biological Values and Decision-Making Skills for Secondary School Students", Helwan University, 2013.*
Curriculum Vitae (C.V.)	**1-Teaching Assistant** – Department of *Curriculum& Instruction*, Faculty of Education, Helwan University (Oct 2002 – Oct 2007). **2-Assistant Lecturer** – Department of *Curriculum& Instruction*, Faculty of Education, Helwan University (Oct 2007 – Jul 2013). **3-Lecturer (PhD)** – Department of *Curriculum& Instruction*, Faculty of Education, Helwan University (Jul 2013 – Present). 4-Supervisor of science education practicum for scientific majors (2003 – Present). 5-Member of the Scientific & Technological Activities Exhibition Committee, Faculty of Education Annual Conference, Helwan University. 6-Member of the Egyptian Association for Science Education, Faculty of Education – Ain Shams University (since Jan 2014). 7-Active Member of the Arab Educators Association, Cairo, Egypt (since May 2014). 8-Member of the Central Control Committee, Faculty of Education, Helwan University (2014/2015). 9-Member of the Faculty Staff Committee, Quality Assurance Unit, Faculty of Education, Helwan University (2013/2014). 10-Member of the Curriculum Description Committee for Scientific Majors, Quality Assurance Unit (2014/2015). 11-Coordinator of the "Geology Program Description Committee," Quality Assurance Unit

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	(2014/2015). 12-Member of the Social Committee, Faculty of Education, Helwan University (2015). 13-Co-supervisor of a Master's thesis: "*Effectiveness of the Experimental Dialectical Approach in Developing Biological Concepts and Bioethical Awareness for First-Year Secondary Students"* (2014/2015). 14-Committee Member, Faculty of Education Annual Conference Exhibitions (2003–2008).
Published Research	**1-Book:** *Scientific Culture*, Faculty of Education – Helwan University, 2015. **2-Doctoral Dissertation Abstract (Published):** *" Effectiveness of a Proposed Program in Molecular Biology for Developing Biological Values and Decision-Making Skills for Secondary School Students"*, Al-Azhar University Journal of Education, Vol. 158, Part III, April 2014.
Awards	

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	Name	Mina Abd El Meseh Hana Abd El Malak
	Name in Scientific Publications	Abd El Malak, Mina Abd El Meseh Hana
	Current Job & Place of work	Lecturer, Department of Curriculum and Science Teaching Methods – Faculty of Education – Helwan University
	Academic Degree	Ph.D. in Education – Helwan University – Egypt
General Specialization	Curricula and Methods of Teaching Science	
Specific Specialization	Chemistry (Arabic Section)	
E-mail Address	Minaabdelmeseh@yahoo.com Menaabdelmeseeh@gmail.com Mina_abdelmeseh@edu.helwan.edu.eg	

Academic Qualifications	• **B.Sc. in Science and Education – Chemistry (Arabic Section) – Very Good with Honors – Faculty of Education, Helwan University – May 2013.** • **Professional Diploma in Education, Teaching Planning and Management – Very Good – Faculty of Education, Helwan University – May 2016.** • **Special Diploma in Education, Curriculum and Instruction – Excellent – Faculty of Education, Helwan University – May 2017.** • **M.A. in Education, Curriculum and Science Teaching Methods – Excellent – Faculty of Education, Helwan University – 2018.** • **Pre-Doctoral Studies (Pre-PhD) in Education, Curriculum and Science Teaching Methods – Excellent – Faculty of Education, Helwan University – 2019.** • **Ph.D. in Education, Curriculum and Instruction – Excellent – Faculty of Education, Helwan University – 2021.**
Curriculum Vitae (C.V.)	**Personal Information:** **Name: Mina Abd El Meseh Hana Abd E l Malak** **Date of Birth: 14/6/1992 - Place of Birth: Assiut Governorate – Manfalut District - Phone: 01225675620** **Work Address: Helwan University – Faculty of Education – Department of Curriculum and Methods of Teaching** **Career Progression:** - **Teaching Assistant, Department of Curriculum and Methods of Teaching – Faculty of Education – Helwan University (23/3/2015 – 17/12/2018).** - **Assistant Lecturer, Department of Curriculum and Methods of Teaching – Faculty of Education – Helwan University (18/12/2018 – 25/10/2021).** - **Lecturer (Ph.D.), Department of Curriculum and Methods of Teaching – Faculty of Education – Helwan University (26/10/2021 – present).**

	Tasks and Responsibilities • **Member of the Scheduling and Examiners Committee (2019/2020).** • **Participation in the Basic Education (Arabic Section) Control Committee (2019/2020).** • **Participation in preparing exam schedules for September session (2019/2020).** • **Responding to electronic appeals for the Vice Dean for Education and Students Affairs (2019/2020).** • **Coordinator of Bachelor's Programs (Biology – Geology – Basic Science) (2019/2020) as part of the Quality Assurance Unit.** • **Participation in backlog examinations control committees (2018/2019 – 2020/2021).** • **Member of the administrative team at the Faculty and Leadership Development Center (FLDC), Helwan University (10/8/2020 – June 2021).** • **Participation in the Technical Support and Maintenance Committee (2020/2021).** • **Participation in personal interviews for new students (Arabic – English – German Sections) at the Department of Curriculum and Instruction (2020/2021).** • **Participation in the Central Control Committee of the Faculty (2021/2022 – present).** • **Participation in organizing attendance and reception for the 23rd Annual Conference of the Egyptian Society for Science Education (ESSE) titled "Science Education and Artificial Intelligence Applications", held at Signal Corps Officers Club – Cairo (23/9/2023).** • **Member of the Information and Statistics Committee, Quality Assurance Unit – Faculty of Education – Helwan University (2024/2025 – present).**
Published Research	• **The Effectiveness of Self-Regulated Learning in Developing Habits of Mind in Science for First-Grade Preparatory Students, Educational and Social Studies Journal, Faculty of Education, Helwan University, Vol. 24, Issue 3, July 2018.** • **Effectiveness of the Strategy "Think–Pair–Share–Present–Evaluate" in Developing Two Dimensions of Achievement Motivation in Science for Second-Grade Preparatory Students, Educational and Social Studies Journal, Helwan University, Vol. 26, July 2020.** • **Effectiveness of Social Emotional Learning in Developing Some Dimensions of Achievement Motivation in Science for Second-Grade Preparatory Students, Educational and Social Studies**

	Journal, Helwan University, Vol. 26, September 2020. • Effectiveness of Science Stations in Developing Creative Thinking Skills in Science for Preparatory School Students, Educational and Social Studies Journal, Helwan University, Vol. 28, Part 3, April 2022. • Teaching the Scientific Culture Course Using a Blended Learning Strategy to Develop Self-Efficacy and Social Responsibility among Scientific Majors Students at the Faculty of Education, Journal of the Faculty of Education in Educational Sciences, Ain Shams University, Vol. 47, Issue 1, January 2023. • An Interactive E-Learning Program Based on Green Economy Approaches to Develop Cognitive Structure, Cognitive Flexibility, and Environmental Citizenship among Pre-Service Science Teachers, Educational Journal, Faculty of Education, Sohag University, Issue 128, December 2024. • A Proposed Unit on Periodic and Wave Motion Based on the Interdisciplinary Integrated STEM Approach to Develop Mathematical Argumentation and Scientific Reasoning Skills for Lower Secondary Students, Journal of the Faculty of Education in Educational Sciences, Ain Shams University, Vol. 49, Part 1, March 2025. • Effectiveness of Educational Activities Based on Successful Intelligence Theory in Developing Deep Understanding and Analytical Thinking in Science for Preparatory Stage Students, Journal of the Faculty of Education, Mansoura University, Vol. 131, Issue 1, July 2025.
Awards	None

	Name	Aesha Hamied Abd El Mohsen Khalaf
	Name in Scientific Publications	Aesha Hamied Abd El Mohsen Khalaf
	Current Job & Place of work	Instructor of Curriculum and Instruction – Faculty of Education, Helwan University
	Academic Degree (University & Country names)	PhD in Education – Major: Curriculum and Science Teaching Methods Helwan University – Egypt
General Specialization		Science
Specific Specialization		Biology – Geology
E-mail Address		www.aeshahameed@gmail.com
Academic Qualifications		-Bachelor of Science and Education – Faculty of Education, Helwan University – 2013. -Professional Diploma in Education – Major: Planning and Management of Teaching – Faculty of Education, Helwan University – 2016. -Special Diploma in Education – Major: Curriculum and Science Teaching Methods – Faculty of Education, Helwan University – 2017. -Master in Education – Major: General

	Curriculum and Teaching Methods – Faculty of Education, Helwan University – 2018. -PhD in Education – Major: Curriculum and Teaching Methods – Faculty of Education, Helwan University.2022.
Curriculum Vitae (C.V.)	**Name**: Aesha Hamied Abd El Mohsen Khalaf **Current Job**:Instructor, Department of Curriculum and Teaching Methods – Faculty of Education, Helwan University **Academic Department**:Curriculum and Science Teaching Methods. **Specific Specialization**: Biology / Geolog **Major Contributions at the Department and Faculty Level:** -Teaching practical courses at the undergraduate level and contributing to postgraduate studies. - Biology(Arabic& English) Program Coordinator and Geology Program Coordinator **from 2015 to 2020.**. -Participation in preparing and updating academic regulations. -Deputy Director of the Field Training Office2024-2025. - Academic Advisor for the Biology Division (Arabic & English). - Participating in conducting departmental personal interviews. -Participating in the supervision of science students in field training.

	-Awarded a Certificate of Appreciation for Outstanding Contributions to Quality and Community Service at the College. -Awarded several Certificates of Appreciation for Excellence in Practical Education and Quality.
Published Research	-Effectiveness of an Enrichment Program Based on Active Learning for Developing Environmental and Preventive Health Skills in Science for Second Preparatory Grade Students(2018). -Effectiveness of a Proposed Program in Biodiversity for Developing Environmental Responsibility in Science for Preparatory School Students(2022). -Effectiveness of a Program in Biodiversity for Developing Environmental Attitudes in Science for Preparatory School Students(2022).
Awards	

	Name	Nada kamal Abd Elmonsef Abd Elattif
	Name in Scientific Publications	Nada kamal Abd Elmonsef Abd Elattif
	Current Job & Place of work	Lecturer (PhD) of Curriculum and Science Teaching Methods – Faculty of Education – Helwan University
	Academic Degree (University & Country names)	Lecturer (PhD) of Curriculum and Science Teaching Methods – Faculty of Education – Helwan University – Arab Republic of Egypt
General Specialization		Curriculum and Instruction
Specific Specialization		Science (Chemistry–English)
E-mail Address		Nadakamalmah95@gmail.com
Academic Qualifications		• B.Sc. in Science and Education, Very Good with Honors, Chemistry (English), Faculty of Education, Helwan University, 2017.

	• Professional Diploma in Education (Teaching Planning and Management), Excellent, Faculty of Education, Helwan University, 2018. • Special Diploma in Education (Curriculum and Instruction), Excellent, Faculty of Education, Helwan University, 2019. • M.Ed. in Curriculum and Instruction, Excellent, Faculty of Education, Helwan University, 2022. Thesis: "Integrating Nanotechnology in Chemistry to Develop Decision-Making and Creativity Skills among First-Year Secondary Students." • PhD in Curriculum and Instruction, Excellent, Faculty of Education, Helwan University, 2025. Thesis: "A Science Program Based on the Environmental Approach to Develop Environmental Chemistry Concepts and Lateral Thinking Skills among Middle School Students."
Curriculum Vitae (C.V.)	• Researcher, Department of Curriculum and Instruction, Faculty of Education, Helwan University (2018–2021). • Teaching Assistant, Department of Curriculum and Instruction, Faculty of Education, Helwan University (2021–2022). • Assistant Lecturer, Department of Curriculum and Instruction, Faculty of Education, Helwan University (2022–2025). • Lecturer (PhD), Department of Curriculum and Instruction,

	Faculty of Education, Helwan University (August 2025–Present).
Published Research	• A proposed unit in Nanoscience and Nanotechnology and its effect on developing creative thinking skills among first-year secondary students, Educational and Social Studies Journal, Faculty of Education, Helwan University, Vol. 27, December 2021. • A science program based on the environmental approach to develop lateral thinking skills among middle school students, Educational and Social Studies Journal, Faculty of Education, Helwan University, Vol. 31, March 2025. • A science program based on the environmental approach to develop environmental chemistry concepts among middle school students, Educational and Social Studies Journal, Faculty of Education, Helwan University, Vol. 31, April 2025.
Awards	

	Name	Toka Elsayed Eid Abo Mandour
	Name in Scientific Publications	Toka Elsayed Eid Abo Mandour
	Current Job & Place of work	Teaching Assistant, Faculty of Education – Helwan University
	Academic Degree (University & Country names)	Teaching Assistant, Faculty of Education – Helwan University (Egypt)
General Specialization	Science Curriculum and Instruction	
Specific Specialization	Chemistry	
E-mail Address	**Tokaelsayed414@gmail.com**	
Academic Qualifications	• Bachelor of Science and Education (2021) • Teaching Science in English for Primary and Preparatory International Schools – Ain Shams University (2022) • Professional Diploma in Lesson Planning and Management (2024) • Special Diploma in Science Curriculum and Instruction (2025)	
Curriculum Vitae (C.V.)	Researcher in the field of Science Curriculum and Instruction, specialized in Chemistry, and currently a Master's student in the same field. Worked as a Science teacher for two years at Sun International Schools, with experience in designing educational activities and assessment tools, and utilizing e-learning platforms such as Edmodo, Google Classroom, and Microsoft Teams, alongside interactive assessment tools like Kahoot and Quizizz. Participated in specialized training courses on modern teaching strategies, quality workshops and conferences at the Faculty of Education – Helwan University, as well as a workshop certificate on Research Trends in Educational Technology	

	Name	Galila Hasan Salem Hasan
	Name in Scientific Publications	Galila Hasan Salem Hasan
	Current Job & Place of work	Teaching Assistant, Faculty of Education, Helwan University
	Academic Degree (University & Country names)	Teaching Assistant, Faculty of Education, Helwan University – Egypt
General Specialization		Curricula and Methods of Teaching
Specific Specialization		Science (Chemistry – Arabic)
E-mail Address		galilahasan1512@gmail.com
Academic Qualifications		1. Science teacher for the preparatory stage at Omar Ibn Al-Khattab Private School, Al-Badrashin Educational Administration, Giza Governorate (2019–2023). 2. Bachelor of Science and Education, Chemistry (Arabic section), with an overall grade of Excellent with Honors, Faculty of Education, Helwan University, May 2018. 3. Professional Diploma in

	Education, specialization: Psychological Counseling and Educational Guidance, overall grade: Very Good, Faculty of Education, Helwan University, 2019. 4. Special Diploma in Education, specialization: Curricula, overall grade: Excellent, Faculty of Education, Helwan University, 2025.
Curriculum Vitae (C.V.)	1. Teaching Assistant, Department of Curricula and Methods of Teaching, Faculty of Education, Helwan University, from 12/11/2023 to present. 2. Coordinator of Teaching Practice for the Chemistry (Arabic) section. 3. Member of the English Chemistry Program Accreditation Committee for the academic year 2025–2026. 4. Academic Advisor for the Arabic Basic Section for the academic year 2025–2026.
Published Research	-
Awards	-

	Name	Mohamed Galal Said Mostafa
	Name in Scientific Publications	Mohamed Galal Said Mostafa
	Current Job & Place of work	Teaching Assistant of Curriculum & Instruction Faculty of Education – Helwan University
	Academic Degree	Teaching Assistant of Curriculum & Instruction

General Specialization	Curriculum & Instruction
Specific Specialization	Science
E-mail Address	contact@muhamdgalal.com
Academic Qualifications	B.Sc. in Science and Education (Physics Department), Excellent with Honors – Ranked first in class Faculty of Education, Helwan University, May 2022. Diploma in Education (Specialization: STEAM), Excellent - Ranked first in class – Faculty of Education, Helwan University, February 2025.
Curriculum Vitae (C.V.)	**Researcher**, Department of Curriculum & Instruction – Physics Major, Faculty of Education, Helwan University *September 2018 – May 2022* **Teaching Assistant:** *Jan 2024 – present*
Published Research	-
Awards	-

Personal Photo	**Name**	Shimaa hamdy fathy
	Name in Scientific Publications	
	Current Job & Place of work	Teacher assistant Helwan University
	Academic Degree (University & Country names)	Bachelor's science&education
General Specialization		Science
Specific Specialization		Chemistry
E-mail Address		Shimashamdy1@gmail.com
Academic Qualifications		Bachelor's science&education
Curriculum Vitae (C.V.)		Nothing
Published Research		Nothing

Awards	