

CURRICULUM VITAE

Special Data :

Name : Ramadan Abd-Elghany Ali Mansour Elkateb.

Nationality : Egyptian .

Date of Birth : 13/11/1969

Marital Status : married .

Sex : Male.



- Scientific Qualifications:

- a) B.Sc. chemistry, El-Mansoura University, Egypt, 1991.
- b) M. Sc. Inorganic chemistry Tanta University, Egypt. 2002.
- c) Ph. D. Analytical chemistry, El-Mansoura University, Egypt, 2007.

-Contact:

Address: Basic Science Department, High Institute of Engineering & Technology
(New Damietta), Egypt.

Tel. : Faculty of Engineering- Hours University, Egypt.
00201019117279

E-Mail: dramadanelkatep@yahoo.com

- Academic Appointments:

**Basic Science Department, High Institute of Engineering & Technology (New Damietta),
Egypt:**

- (i) Lecturer of Chemistry, – May. 2011 up to 24/11/2021.
- (ii) Associate professor of physical chemistry (Adsorption) 25/11/2021 up to now.

-Quality of education and accreditation in universities

- 1- Director of Quality Assurance and Accreditation Unit at the Higher Institute of Engineering and Technology in New Damietta, Egypt from March 2015 till now.
- 2- Quality Consultant at the Faculty of Engineering - Horus University, Egypt.
- 3- Director of Quality Assurance and Accreditation Unit at the Higher Institute of Engineering and Technology in higher institute of engineering and technology in Manzala, Egypt.

- Conferences:

- 1-Chemistry Conference organized by Chemistry Department, Faculty of Science - Mansoura University, Sharm El Sheikh ... 11 April 2007. A research entitled (Extraction of Uranium from aqueous solutions by date pits)
- 2- The 8th International Engineering Conference organized by the Faculty of Engineering at Mansoura University in Mansoura and Sharm El-Sheikh from 17 to 22- 2015
- 3- The 20th International Conference on Water Technology, Hurghada, Egypt, 18-20 May 2017.

Teaching activities:

- 1- Inorganic Chemistry (Atomic Structure, Periodic Table, Chemical bonds, Representative elements and Transition Elements). (Second level students) (From 2011 up till now)
- 2- Wastewater Treatment (Sampling, water characteristics, water analysis, water treatment processes) (Fifth level student) (From 2011 up till now)
- 3- Analytical Chemistry (Volumetric analysis, Gravimetric analysis and instrumental analysis) (Third level student). (From 2011 to 2018).

4- Physical Chemistry (Gases, Solutions, Chemical Kinetics, Chemical Equilibrium, Ionic Equilibrium, Chemical thermodynamic and Surface Chemistry) (Third level students). (From 2011 to 2019)

5- Water Desalination (Fourth level students). (2013).

6- Engineering Chemistry (First level students). (2012).

7- Environmental science (First level students). From 2012 up till now.

9- Environmental management (Fourth level students)

10 – Spectrophotometric determination in faculty of pharmacy, Alazhar University (Third level), First semester (2016-2017).

11- General chemistry, Higher Institute for Engineering and Technology, Almanzala, (First level 2019-2020, 2020-2021).

- Experience:

1-Teaching lessons (Analytical chemistry, Inorganic chemistry, physical chemistry, wastewater treatment, water desalination, Environmental science and Environmental management).

2- Great experience in preparing the quality and accreditation file for academic institutions.

3- Certified specialist for evaluating the environmental impact at the Ministry of Environment.

4- General lecturer in many fields (renewable energy - water pollution and treatment - scientific miracles)

- Language:

Arabic and English.

- Computer skills:

- Good command in using ICDL Courses.

- Chemistry Programs.

Supervised Theses:

Master thesis awarded

- 1- Master's thesis for Engineer / Nada Mohammed Abu El-Enin, registered in the Chemical Engineering Department, Faculty of Engineering, Cairo University, entitled "Separation of methylene blue from wastewater using date pits ...", It was awarded in 4/5/2017.
- 2- Master's thesis for Engineering / Yara Abdelrahman Ammar, Chemical Engineering Department, Faculty of Engineering, Cairo University, entitled "Removal of pigments (malekite green) from industrial wastewater using date Pits). She was awarded in July 2018
- 3 - Master Thesis for Engineering / Yosra Mohamed Maarouf, Chemical Engineering Department - Faculty of Engineering - Cairo University entitled (Elimination of acidic and basic dyes from industrial waste water using sawdust). She was awarded a degree in 20/5/2018.
- 4-Master's thesis for Engineer / Sarah Mohamed El-Hady, Civil Engineering Department, Faculty of Engineering, Port Said University, entitled "Advanced Methods for Treatment of Industrial Waste Water from Vegetable Oil Industries". She was awarded a degree in 6 August 2020.
- 5- Master thesis for Engineer / Mohamed Gamal Samaida entitled (the separation of dyes from wastewater by active carbon derived from the seeds of guava and date pits) in the Chemical Engineering Department - Faculty of Engineering - Alexandria University. He was awarded a degree in 12/11/ 2020.

Current Master Thesis:

- 1- Master's thesis for Engineer/ Rania Radwan, registered in the Chemical Engineering Department, Faculty of Engineering, University of Alexandria entitled (separation of heavy elements from wastewater using date pits)
- 2- Master's thesis for engineer / Shaimaa Ibrahim Abd-Elrazek entitled (Industrial wastewater treatment by adsorption technique) Chemical Engineering Department - Faculty of Engineering - Cairo University.

3-Master's thesis for Engineer / Alia Abd-Elmonsef Morsy entitled (Industrial wastewater treatment by adsorption technique). Chemical Engineering Department - Faculty of Engineering - Cairo University.

4- Master's thesis for engineer/ Mohammed Elbaz , entitled (Industrial wastewater treatment by adsorption technique) Chemical Engineering Department - Faculty of Engineering - Cairo University.

Ph.D-Thesis

1-Preparation, characterization and applications of silica nanoparticles from rice husk for industrial wastewater treatment, Wael Yousry, Environmental science department, faculty of science, Port Said University.

2-Study of the chemical interactions between andesite and some water pollutants for their removal from aqueous solutions, Sameh Elmekawy Halawia, Chemistry Department, Faculty of Science, Tanta University.

3-Eco- Friendly utilization of sugar cane bagasse ash, Chemical Engineering Department - Faculty of Engineering - Cairo University, Eng./ Yosra Maroof.

(I) Publications extracted from M.Sc. Thesis:

1- Formation of novel mono and multinuclear complexes of Mn^{2+} and Cu^{2+} with bis-azo daniils compounds containing the pyrimidine moiety. S.M. Abo-Elwafa, N.A. El-Wakiel, R.M. Issa and **R.A. Mansour** Coordination Chemistry, 53, 683, (2005).

2- pH-metric of acid – base properties of some bisazodianils compounds containing the pyrimidine nucleus, Nadia A.Elwakiel and **Ramadan A. Mansour** J .analytical Chemistry, 16, 14, (2007).

3-Synthesis, Spectral and thermal analysis of novel bi and polyhomonuclear complexes of pyrimidine Bisazo-dianil derivatives, El-Wakiel Nadia, Kheder Abdalla and **Mansour Ramadan** Chin. J. 28, 463, (2010).

(II) Publications extracted from Ph.D. Thesis:

4- Sorption profile and chromatographic separation of Uranium (VI) ion from aqueous solution, E.M.Saad, **R.A.Mansour**, A. El-Asmy and M.S. El-Shahawy, Talanta, 76, 1041, (2008).

(III) Publications Carried out after Ph.D.:

5- Separation and subsequent determination of iron in aqueous and non-aqueous solutions using modified polymer, **R.A.Mansour**, Adel M. El-Menshawy and A.M.Eldesoky,, International Journal of advanced research, 2, 914 (2014).

6- Separation of uranyl ion from different media using a new cellulose hydrazone: Adsorption isotherm, kinetic and thermodynamic studies, **R.A.Mansour**, Adel M. El-Menshawy and A.M.Eldesoky International Journal of Advanced Research, 3, 966 (2015)

7- Corrosion Inhibition of Carapicheal pecacuanha Extract (CIE) on Copper in 1 M HNO₃ Solution, International Journal of Scientific & Engineering Research, **R.A.Mansour**, Adel M. El-Menshawy and A.M.Eldesoky , 6, 761(2015).

8- Equilibrium model for adsorption of uranyl ion (UO₂²⁺) from aqueous solution using modified cellulose, **R.A. Mansour** and T. E.Farrag, Mansoura Engineering Journal (MEJ), 44, 1576 (2015)

9- Removal of heavy metals from aqueous solutions by adsorption onto modified cellulose: Equilibrium, kinetics and thermodynamics study, **R.A. Mansour** and Adel M. Elmenshawy. International Water Technology journal (IWTJ), 7,116 (2017).

10- Benzene Sulfonamide Derivatives as New Eco-Friendly Corrosion Inhibitors for C38 Steel in Acidic Medium: Electrochemical and Molecular Docking Studies, **R.A.Mansour**, Adel M. El-Menshawy and A.M.Eldesoky ,International Journal of Emerging Trends in Engineering and Development, 2, 81, (2017).

11-Adsorption of cationic dye from aqueous solutions by date pits: Equilibrium, kinetic, thermodynamic studies, and batch adsorber design, **R.A.Mansour**, N.M.Aboelenein and Nabil M. Abdelmonem, International journal of phytoremediation, 20 (10), 1062 (2018).

12- Experimental study on the adsorption of Cr^{+6} and Ni^{+2} from aqueous solution using low-cost natural material, International journal of phytoremediation, **R. A. Mansour**, Riham Atef, R. R. Elazaby & A. A. Zaatout, 22, 508 (**2019**).

13- Developed Method for Treatment of Industrial Wastewater from Edible Oil Industry using Membrane Technology, Sara Elhady, M. Basyooni, **R. A. Mansour**, Medhat H. Elzahar and Mamdouh Y. Saleh, International Journal of Engineering and Advanced Technology 9, 3034, (**2020**).

14- Oily Wastewater Treatment Using Polyamide Thin Film Composite Membrane Technology, Membranes, Sarah Elhady , Mohamed Bassyouni, , **Ramadan A. Mansour**, Medhat H. Elzahar , Shereen Abdel-Hamid, Yasser Elhenawy and Mamdou Y. Saleh , 10, 84, (**2020**).

15- Adsorption studies on brilliant green dye in aqueous solutions using activated carbon derived from guava seeds by chemical activation with phosphoric acid, Desalination and water treatment, **R. Mansour**, Mohamed Gamal simade and A. Zaatout,202, 393 (**2020**).

16- Brilliant green dye biosorption using activated carbon derived from guava tree wood, International journal of chemical engineering, **R.A.Mansour**, Abeer Elshawy, A.Attia and Mokhtar S. Beheiry 2020, 1, (**2020**).

17- Remediation of contaminated water with crystal violet dye by using magnetite nanoparticles: Synthesis, characterization and adsorption mechanism studies, Abobaker S. M., Abdo Ni and **R. A. Mansour**, Journal of environmental studies, 6, 01, (**2020**).

18- Removal of brilliant green dye from synthetic wastewater under batch mode using chemically activated date pit carbon, **R. Mansour**, Mohamed Gamal simade and A. Zaatout, RSC advances, 11, 7851 (**2021**).

General skills

1-The art of scientific research.

2 - Writing the article and scientific research and writing.

- 3 - Training and teaching.
- 4 - General lectures.
- 5 - Proficiency in Arabic and English.

Community and Environment Service:

- 1- Pioneer scientific committee of the Higher Institute of Engineering and Technology in New Damietta, (2011-2016).
- 2 - Pioneer of the Cultural Committee of the Higher Institute of Engineering and Technology in New Damietta 2014-2015.
- 3 - Membership of the examination and decision to purchase a variety of equipment for the laboratory control and quality of water at the Higher Institute of Engineering and Technology in New Damietta.
- 4-Supervision of many graduation projects for students of the Department of Chemical Engineering from 2011 to 2022.
- 5 - Researcher in the International Organization of Scientific Miracles in the Book and Sunnah – Makka.
- 6- Presenting some public lectures at Mansoura Culture Palace for students of the Exploration Center for Science and Technology at the Directorate of Education in Dakahlia Governorate.
- 7- Participated in the arbitration of the Science and Engineering Fair organized by Intel Corporation in Mansoura under the patronage of Dakahlia and Intel International Company (2013). Member of the jury of the Science and Engineering Fair in Cairo (Egypt 2016 and 2017) (2017-2018), and Chairman of the Arbitration Committee at Bin Al-Haytham Science and Engineering Fair for the governorates of Damietta, Sharkia and Port Said (February 2018) at the Science and Technology Exploration Center in New Damietta. Science and Engineering Fair (Intel - ISEF) Damietta Governorate December.

8- Presenting some public lectures in the New Damietta city in Egypt in the fields of scientific miracle, renewable energy at Damietta New Stadium (2015), International Center for Marketing (2016), Damietta Public Library (2019).

9- Organizing and supervising the scientific trips of the students of the Department of Chemical Engineering at the Higher Institute of Engineering and Technology in New Damietta in 2011 and now.

10- Broadcast some episodes in the scientific miracle, the first channel in the Egyptian television, on Sunday, 15-10-2017, 22-10-2017 program self-reassuring media with Emad Attia.

11- Participation in the environmental impact assessment of many economic projects in Egypt, such as:

Ithmar Tourist Resort in New Damietta - El Abed Massacres in Qalyubia - Silver Star Factory for Plastic Recycling in Al Qanater - Kayan Pharmaceutical Company in Gamasa - ED Pharma Company in Gamasa - Regent International Schools in New Mansoura .etc.

12-Participation in the design, implementation, operation and rehabilitation of industrial wastewater treatment units in many factories such as:

The Egyptian Company for Cosmetics in Gamasa. Silver Star Factory for Plastic Recycling in Al-Qanater. ED Pharma Company for Pharmaceuticals in Gamasa. Kayan Pharmaceutical Company in Gamasa. Al-Tayeb Dairy Company in Gamasa. Kokoshama poultry slaughterhouse in New Damietta...etc.

Training courses

Courses of the National Authority for Quality Assurance and Accreditation in Egypt as follows:

1- A course entitled "Self Evaluation of Institutions of Higher Education" from 30/8 to 1/9/2016.

2- A course entitled "Characterization of Programs and Courses and Assessment of Learning Outcomes of Higher Education Institutions" from 6/9 to 8/9/2016.

3- A course entitled (External review of institutions of higher education) in the period from (14-16 / 2/2017)

4 - A course entitled (strategic planning of institutions of higher education) August 2018.

5- Effective teaching and learning strategies for colleges and institutes of higher education, (28-29/3/2021).

6- Exam systems and student assessment for colleges and institutes of higher education, (30-31/3/2021)

Courses at the University Performance Development Center at Mansoura University:

1- University Administration (20-21 August 2017)

2- Local and global competitive research projects (10-11 September 2017).

Courses at the University Performance Development Center at Damietta University:

1-Managing centers and units of a special nature. (6-7 Nov. 2019).

2-Crisis and disaster management. (27-28 Nov. 2019).

3-Quality standards in the teaching process. (15-16 Juli 2020).

Courses at the University Performance Development Center at Port Said University:

1-The use of technology in teaching. (16-17 Aug. 2020).

Books in print

Environment management.

Associate Prof. /Ramadan Abd-Elghany Elkateb