

Curriculum Vitae

Personal Information

Full Name: Ahmed Fawzy Saad Sayed

Date and Place of Birth: Jan. 1, 1973 Assiut

Nationality: Egyptian

Marital Status: Married

Title: Professor of Physical Chemistry

Specialization: Chemical Kinetics and Catalysis & Electrochemistry)

Mail Address: Assiut, Egypt

Work Address: Chemistry Department, Faculty of Science, Assiut University,
71516, Assiut, Egypt.

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Google scholar	https://scholar.google.com.eg/citations?user=JGBXAc0AAAAJ&hl=ar	
ResearchGate	https://www.researchgate.net/profile/Ahmed_Fawzy14/research	
Linkdin	https://www.linkedin.com/in/ahmed-fawzy-40b970121/	
Mendeley	https://www.mendeley.com/reference-manager/library/all-references	
ORCID	https://orcid.org/0000-0002-0668-8972	
Scopus	https://www.scopus.com/results/savedList.uri?sort=plfdt-f&listId=4325071&listTypeValue=Docs&src=s&nlo=&nls=&imp=t&sid=fbabf4321ef3525155eae+239fd326daf&sot=sl&sdt=sl&sl=0&cl=t&offset=1&origin=resultslist&ss=plfdt-f&ws=r-f&ps=r-f&cs=r-f&cc=10&txGid=5269439864bff7900a5c718282b643c4	
KUDOS	https://www.growkudos.com/hub/49248/publications?&show_all=on	
SciFinder	https://scifinder.cas.org/scifinder	

Academic Qualifications (Degrees)

1. **B.Sc.** in Science (Special Chemistry) Assiut University (1996).
2. **Preparatory Year (Diploma)**, in Physical Chemistry, Assiut University (1998).
3. **M.Sc.** in Physical Chemistry (Electrochemistry), Assiut University (2005).
Title: ELECTROCHEMICAL AND CORROSION BEHAVIOUR OF COMMERCIALLY PURE NICKEL (Ni 201 ALLOY) IN CARBOXYLIC ACID SOLUTIONS AND THE EFFECT OF SOME INORGANIC ANIONS.
4. **Ph.D.** in Physical Chemistry (Kinetic Chemistry), Assiut University (2008).
Title: PHYSICO-CHEMICAL STUDIES ON SOME POLY- ELECTROLYTE MACROMOLECULES IN PARTICULARLY POLYSACCHARIDES.

Career and Professional Experience

1. **Demonstrator of Chemistry**, Chemistry Department, Faculty of Science, Assiut University, 71516 Assiut, Egypt (1996 - 2005).
2. **Assistant Lecturer of Chemistry**, Chemistry Department, Faculty of Science, Assiut University, 71516 Assiut, Egypt (2005 - 2007).
3. **Lecturer of Physical Chemistry**, Chemistry Department, Faculty of Science, Assiut University, 71516 Assiut, Egypt (2008).
4. **Assistant Professor of Physical Chemistry**, Chemistry Department, Faculty of Applied Sciences, Umm Al-Qura University, Makkah Al-Mukarramah 13401, Saudia (2009 - 2014).
5. **Assistant Professor of Physical Chemistry**, Chemistry Department, Faculty of Science, Assiut University, 71516 Assiut, Egypt (2014).
6. **Associate Professor of Physical Chemistry**, Chemistry Department, Faculty of Applied Sciences, Umm Al-Qura University, Makkah Al-Mukarramah 13401, Saudia (2015–2023).
7. **Professor of Physical Chemistry**, Chemistry Department, Faculty of Science, Assiut University, Egypt (Jan. 2020).

Language Knowledge

1. Arabic (Native Language).
2. English, Good (Toefl, Assiut University).
3. Germany, Slight (Level I, Assiut University).
4. France, Slight.

Scientific Interests

- 1) Chemical Kinetics (Kinetics and mechanisms of chemical and biological reactions).
- 2) Catalysis (Catalysis of chemical and biological reactions).
- 3) Electrochemistry (Study the corrosion of metals and alloys and its control).
- 4) Environmental Chemistry (Pharmaceutical Drugs and Environment Safety).

Training Programs

First: Career Ethics Programs:

No.	Program Name	Organizer	University	Year
1	General and special teaching regulations	Faculty of Education	Assiut	1999
2	Career ethics	Abilities Development Center	Assiut	2005
3	Educational program for faculty assistants	Institute of Leadership Preparation	Helwan	2005
4	Legal and financial aspects in university environment	Abilities Development Center	Assiut	2009
5	Ethics of scientific research	Deanship of Scientific Research	Umm Al-Qura	2014
6	Scientific integrity and ethics of scientific research	Deanship of Scientific Research	Umm Al-Qura	2018

Second: E-Learning Programs:

1	Introduction to computer	Computer Center	Assiut	1998
2	Internet	Computer Center	Assiut	2000
3	Website development	Chemistry Department	Umm Al-Qura	2013

4	E-learning	Faculty of Applied Sciences	Umm Al-Qura	2014
5	Electronic courses, a step to participate	Deanship of E-Learning	Umm Al-Qura	2015
6	Use the Database SciFinder	Deanship of Library Affairs	Umm Al-Qura	2015
7	Use the Database Al Manhal (SciFinder)	Deanship of Library Affairs	Umm Al-Qura	2015
8	Portable interactive whiteboard (U-Board)	Deanship of E-Learning	Umm Al-Qura	2018
9	Educational design processor	Deanship of E-Learning	Umm Al-Qura	2018
10	Using the e-learning system to continue and interact more with students	Chemistry Department	Umm Al-Qura	2018
11	Using the e-learning system and uploading content	Faculty of Applied Science	Umm Al-Qura	2019
12	Designing a stimulating learning environment using educational materials	Deanship of E-Learning	Umm Al-Qura	2020
13	Designing an effective blended learning environment	Deanship of E-Learning	Umm Al-Qura	2022
14	Designing collaborative activities in an interactive e-learning environment	Deanship of E-Learning	Umm Al-Qura	2022
15	Basic skills in using the blackboard	Deanship of E-Learning	Umm Al-Qura	2022
16	Learning management system gamification strategy	Deanship of E-Learning	Umm Al-Qura	2022
17	Create and manage online exams	Deanship of E-Learning	Umm Al-Qura	2022
18	Creating and grading assessments (homework - discussion boards)	Deanship of E-Learning	Umm Al-Qura	2022
19	Use of interaction tools (surveys - side groups)	Deanship of E-Learning	Umm Al-Qura	2022
20	Quality in digital education and educational institution management system (EOMS ISO 21001)	Deanship of E-Learning	Umm Al-Qura	2022
21	Learner assessment and feedback methods	Deanship of E-Learning	Umm Al-Qura	2022
22	Computer modeling and simulation strategy	Deanship of E-Learning	Umm Al-Qura	2022
23	Fundamentals of digital instructional design 1	Deanship of E-Learning	Umm Al-Qura	2023

24	Fundamentals of quality in designing electronic courses	Deanship of E-Learning	Umm Al-Qura	2023
25	Application of quality in the design of interactive electronic courses	Deanship of E-Learning	Umm Al-Qura	2023

Third: Teaching Programs:

1	Teaching with technology	Abilities Development Center	Assiut	2005
2	Efficient teaching	Abilities Development Center	Assiut	2006
3	Modern methods in teaching	Abilities Development Center	Assiut	2006
4	Credit hours system	Abilities Development Center	Assiut	2007
5	Quality standards in teaching	Abilities Development Center	Assiut	2009
6	Examination system and student evaluation	Abilities Development Center	Assiut	2009
7	How to formulate learning outcomes targeted to the course and use appropriate teaching and evaluation strategies	Chemistry Department	Umm Al-Qura	2015
8	Teaching and evaluation	Deanship of Develop. and Quality	Umm Al-Qura	2018

Fourth: Scientific Research Programs:

1	How to compute for a research fund	Abilities Development Center	Assiut	2009
2	Development of Research Abilities	King Abdul-Aziz City	Umm Al-Qura	2013
3	Protocol of safety work in chemical laboratories	Chemistry Department	Umm Al-Qura	2013
4	How to prepare and formulate research proposals for competitive strategic research	Deanship of Scientific Research	Umm Al-Qura	2014
5	Management of scientific research team	Deanship of Scientific Research	Assiut	2014
6	Security and safety in research laboratories	Deanship of Scientific Research	Umm Al-Qura	2018
7	Preparation of national initiatives in scientific research	Deanship of Scientific Research	Umm Al-Qura	2018
8	Partnerships and agreements in the field of scientific research	Deanship of Scientific Research	Umm Al-Qura	2018
9	Leadership skills in scientific research	Deanship of Scientific Research	Umm Al-Qura	2018

10	Scientific research plan in academic programs	Deanship of Scientific Research	Umm Al-Qura	2018
11	Research engines and methodology of change in scientific publishing	Deanship of Scientific Research	Umm Al-Qura	2018
12	Scientific research and entrepreneurship	Deanship of Scientific Research	Umm Al-Qura	2018
13	Innovation in scientific research	Deanship of Scientific Research	Umm Al-Qura	2018
14	Scientific research and modeling	Deanship of Scientific Research	Umm Al-Qura	2018
15	Effective marketing of scientific research outputs	Deanship of Scientific Research	Umm Al-Qura	2018
16	Enable voluntary efforts in scientific research	Deanship of Scientific Research	Umm Al-Qura	2018
17	Management of voluntary research teams	Deanship of Scientific Research	Umm Al-Qura	2018
18	Research ideas in volunteering	Deanship of Scientific Research	Umm Al-Qura	2018
19	Designing volunteer databases in scientific research	Deanship of Scientific Research	Umm Al-Qura	2018
20	Research volunteering in nonprofit organizations	Deanship of Scientific Research	Umm Al-Qura	2018
21	Statistical Analysis in Scientific Research	Abilities Development Center	Assiut	2018

Fifth: Quality and Academic Accreditation Programs:

1	Quality culture and requirements for academic accreditation and how to formulate the description and report of the course	Chemistry Department	Umm Al-Qura	2015
2	Performance indicators and benchmarking program	Deanship of Develop. and Quality	Umm Al-Qura	2018
3	Self-evaluation for a program	Deanship of Develop. and Quality	Umm Al-Qura	2018
4	Teaching styles and appropriate teaching strategies for each style			
5	Job description program according to national accreditation requirements	Deanship of Develop. and Quality	Umm Al-Qura	2018
6	Learning outcomes program 1 (formulation and evaluation)	Deanship of Develop. and Quality	Umm Al-Qura	2018
7	Learning outcomes program 2 (arrays and indicators)	Deanship of Develop. and Quality	Umm Al-Qura	2018

8	Self-assessment program for institutional standards (I, II and VIII)	Deanship of Develop. and Quality	Umm Al-Qura	2018
8	Quality assurance and performance indicators program in Higher education	Deanship of Develop. and Quality	Umm Al-Qura	2018
9	Educational habilitation program	Deanship of Develop. and Quality	Umm Al-Qura	2018
10	Quality systems in universities	Deanship of Develop. and Quality	Umm Al-Qura	2018
12	Formulating learning outcomes for courses	Chemistry Department	Faculty of Applied Science	2019
13	Measuring learning outcomes	Deanship of Develop. and Quality	Umm Al-Qura	2021
14	Mission, characteristics of graduates, framework and national qualifications framework	Deanship of Develop. and Quality	Umm Al-Qura	2021
15	Gathering evidences and preparing a metrics reports	Deanship of Develop. and Quality	Umm Al-Qura	2021
16	Program and courses descriptions	Deanship of Develop. and Quality	Umm Al-Qura	2021
17	Program and course reports	Deanship of Develop. and Quality	Umm Al-Qura	2022
18	Workshop: Self-study report writing	Deanship of Develop. and Quality	Umm Al-Qura	2022
19	Operational plans, improvement plans and their reports	Deanship of Develop. and Quality	Umm Al-Qura	2022
20	Prepare some miscellaneous plans and reports	Deanship of Develop. and Quality	Umm Al-Qura	2022
21	Introductory meeting with verification visit	Deanship of Develop. and Quality	Umm Al-Qura	2022
22	Digitally active academic classroom	Deanship of Develop. and Quality	Umm Al-Qura	2023
23	How to deal with students with special needs	Deanship of Develop. and Quality	Umm Al-Qura	2023
24	Emotional smartness	Deanship of Develop. and Quality	Umm Al-Qura	2023
25	Risk management in information security	Deanship of Develop. and Quality	Umm Al-Qura	2023
26	Digital twins: opportunities and challenges	Deanship of Develop. and Quality	Umm Al-Qura	2023
27	Intellectual security	Deanship of Develop. and Quality	Umm Al-Qura	2023
28	Digital government and its cyber protection	Deanship of Develop. and Quality	Umm Al-Qura	2023

Sixth: Skills Development Programs:

1	Thinking skills	Abilities Development Center	Assiut	2005
2	Efficient presentation skills	Abilities Development Center	Assiut	2006
3	Efficient communication skills	Abilities Development Center	Assiut	2009
4	Strategic planning	Abilities Development Center	Assiut	2009
5	Active learning program	Deanship of Develop. and Quality	Umm Al-Qura	2018

Teaching Experiences

1	Kinetic & Catalysis Chemistry	2	Advanced Kinetic Chemistry
3	Chemical Kinetics in Solution	4	Chemistry of Solutions
5	Physical Chemistry (2)	6	Physical Chemistry (3)
7	Electrochemistry	8	Advanced Electrochemistry
9	Electroplating	10	Corrosion and Electroplating
11	Thermodynamics	12	Surface Chemistry
13	Chemistry of Catalysis	14	Catalysis Applications
15	Introduction to Polymer Chemistry	16	Polymer Chemistry
17	Advanced Polymers	18	Colloid Chemistry & Phase Rule
19	General Chemistry	20	Selected Topics in Physical Chemistry
21	Quantum Chemistry	22	Quantum Chemistry and Spectroscopy
23	Nuclear Chemistry	24	Molecular Spectroscopy
25	Chemistry of Petroleum & Petrochemicals	26	Industrial Chemistry
27	Analytical Chemistry	28	Methods of Modern Analysis
29	Water Analysis	30	Organometallic Chemistry
31	Inorganic Chemistry	32	Chemistry of Transition Metals
33	Coordination Chemistry	34	Graduate Courses

35	Nanochemistry	36	Chemistry of Reactions and Organic Synthesis
37	Research Groups	38	Projects for Students
39	Practical Kinetic Chemistry	40	Practical Physical Chemistry
41	Practical Electrochemistry	42	Practical General Chemistry
43	Practical Analytical Chemistry	44	Practical Organic Chemistry

Supervision on Post-Graduate Theses

First: M.Sc. Theses

1. M.Sc. Thesis (Egypt, 2008 - 2010).

Researcher Name: **Doaa Abdel Rahman**

Entitled: "Physico-Chemical Studies on Some Carbohydrates Especially the Kinetics and Mechanism of Oxidation of Carboxymethyl Cellulose by Various Oxidants".

2. M.Sc. Thesis (Saudia, 2012 - 2014).

Researcher Name: **Mshael Abdo Musleh**

Entitled: "Kinetics and Mechanistic Investigation on the Oxidation of Some Amino Acids in Aqueous Media".

3. M.Sc. Thesis (Saudia, 2017 - 2019).

Researcher Name: **Omniah Ehsan Solo**

Entitled: "Kinetics and mechanistic approach to reactions of some selected organic compounds".

4. M.Sc. Thesis (Saudia, 2021 – 2024).

Researcher Name: **Arwa Fawzi Yosef Dawood**

Entitled: "Mitigation of Drug Risks in Aquatic Environments. Oxidative Degradation of Certain Drugs in Aqueous Media: Kinetics and Mechanistic Aspects".

Second: Ph D. Theses

5. Ph D. Thesis (Saudia, 2018 - 2020).

Researcher Name: **Nada Abdullah Faiz Algarni**

Entitled: "Oxidation of some organic compounds using different oxidants in various media. Kinetics and mechanistic investigation".

6. Ph D. Thesis (Saudia, 2018 - 2020).

Researcher Name: **Areej Aayedh Mohammad Alqahtani**

Entitled: "The inhibition and adsorption properties of some expired antibacterial drugs on the corrosion of Sabc iron in hydrochloric acid".

7. Ph D. Thesis (Saudia, 2018 - 2020).

Researcher Name: **Hanaa Mohamed Ibrahim Hawsawy**

Entitled: "Use of some water soluble polymers as inhibitors for the corrosion of carbon steel in aqueous solutions".

Research Projects funded from Saudi Universities and Companies

First: Research Projects funded from Umm Al-Qura University:

1. "Electrocatalytic Dopamine Oxidation at Self Assembled Monolayer Anchored to Gold Nanoparticles Modified Electrode " (2014) - Institute of Scientific Research and Revival of Islamic Heritage - **(Project ID 43405072)**.
2. "Enhancing Corrosion Inhibition by Design: Synthesis and Evaluation of Promising Eco-Friendly Corrosion Inhibitors for Mild Steel " (2014) - Institute of Scientific Research and Revival of Islamic Heritage - **(Project ID 43405076)**.
3. "Synthesis and Investigation of a Novel Series of Surfactants as Inhibitors for Corrosion of Steel Alloys Used in Various Industries in Saudi Arabia Kingdom " (2016-2018) - Deanship of Scientific Research - **(Project code 15-SCI-3-1-0014)**.
4. Project funded from Deanship of Scientific Research - (2021) - **(Project code 19-SCI-1-01-0039)**.

Second: Research Project funded from Prince Nourah University:

“ Corrosion Inhibition of Steel Using Expired Drugs in Aqueous Solutions “ (2019) - Deanship of Scientific Research - **(Grant No.# FRP-1440-9)**.

Third: Research Project from Imam Mohammad Ibn Saud Islamic Uni.:

1. “ New stable reduction-tolerant oxygen-transporting membrane for conversion of methane and water splitting into syngas and high pure hydrogen” (2020) - Deanship for Research & Innovation, Ministry of Education in Saudi Arabia, The Research Project **No. 510 (2020)**.
2. “ Fuel Cells ” (2020) - Deanship of Scientific Research - **(Project code 19-12-12-003)**.
3. Research Group entitled “ Environmental Group “ (2021) - Deanship of Scientific Research - **(Project code RG-21- 09-78)**.

Forth: Research Projects funded from Bisha University:

- 1) “Biocompatible Treatment Strategy of Aquatic Environments. Oxidative Degradation of Pharmaceutical Drugs in Aqueous Media: Kinetics and Mechanistic Aspects“ (2021) - Deanship of Scientific Research - **(Project code UB-Promising - 7 - 1442)**.
- 2) “Corrosion Protection of Metals by Proficient and Environmentally-Safe Inhibitors” (2022) - Deanship of Scientific Research - - **(Project code UB-Promising - 10 -1443)**.

Fifth: Research Project from Sabic Iron Company:

“ Inhibition of Sabic Iron Corrosion by Ecofriendly Inhibitors “ (2020), Saudi Basic Chemical Industries (SABIC) and the Deanship of Scientific Research at Umm Al-Qura University **(Grant Code: 20UQU0000DSR)**.

Refereeing of Research Projects from:

1. Umm Al-Qura University
2. Taif University
3. Princess Nourah University
4. Saudi Standards, Metrology and Quality Organization

Refereeing of Scientific Papers for:

- 1) International Journal of Chemical Kinetics (Wiley)
- 2) Carbohydrate Polymer (Elsevier)
- 3) Journal of Molecular Liquids (Elsevier)
- 4) Colloids and Surfaces A: Physicochemical and Engineering Aspects (Elsevier)
- 5) Colloid and Polymer Science (Springer)
- 6) Journal of Environmental Chemical Engineering (Elsevier)
- 7) Journal of Chinese Chemical Society (Wiley)
- 8) Journal of Indian Chemical Society (Elsevier)
- 9) Journal of Chemical Sciences (Springer).
- 10) Journal of Chemical Research (Science Reviews Ltd)
- 11) Engineering Science and Technology: an International Journal (Elsevier)
- 12) Biochemistry & Pharmacology (Longdom)
- 13) Journal of Macromolecular Science (Taylor & Francis)
- 14) Current Organic Chemistry (Bentham)
- 15) Open Chemistry (Walter de Gruyter GmbH)
- 16) Journal of Chemistry (Hindawi)
- 17) International Journal of Corrosion (Hindawi)
- 18) Journal of The Electrochemical Society (IOPscience)
- 19) Journal of Physical Science (Penerbit Universiti Sains Malaysia)
- 20) Inorganic and Nano-Metal Chemistry (Taylor & Francis)

- 21) Brazilian Journal of Chemical Engineering (Springer)
- 22) Materials Letters (Elsevier)
- 23) Materials Express (American Scientific Publishers)
- 24) Optical Materials: X (Elsevier)
- 25) Chemistry Africa (Springer)
- 26) Chemical Data Collections (Elsevier)
- 27) Arabian Journal of Chemistry (Elsevier)
- 28) Journal of Umm Al-Qura University for Applied Sciences (Elsevier)
- 29) Cleaner Chemical Engineering (Elsevier)
- 30) Inorganic Chemistry Communications (Elsevier)
- 31) International Journal of Electrochemical Science (Elsevier)
- 32) Applied Surface Science Advances (Elsevier)
- 33) Chemistry and Biodiversity (Wiley)

Membership and Editorial Member in:

First: As a member in:

- 1) American Chemical Society (ACS).
- 2) American Association for Science and Technology (AASCIT).
- 3) International Association of Advanced Materials (IAAM).

Second: As an editorial member in:

- 1) Journal of Chemical, Environmental and Biological Engineering.
- 2) Recent Advances in Petrochemical Science.

Research Groups in Chemistry Department, Faculty of Applied Sciences, Umm Al-Qura University

First: As A Chairman of the Following Research Groups:

- 1) Kinetics and Mechanistic Aspects of Some Reactions of Selected Organic Compounds.
- 2) Kinetics and Mechanism of Some Drug Reactions.
- 3) Physico-Chemical Studies on Various Multifunctional Heterocyclic Compounds and Their Applications.

Second: As A Member of the Following Research Groups:

- 1) Corrosion inhibition of some metals and alloys in aqueous solutions using some organic compounds and naturally occurring substances.
- 2) Corrosion inhibition by design: Development of an effective inhibitors for corrosion of steel in different media.
- 3) Corrosion inhibition of some metals and Alloys in aqueous solutions using some naturally occurring substance.
- 4) The effect of heat treatment on corrosion of some metals and alloys in different Media.
- 5) Electroanalytical determination of selected pharmaceutical compounds and kinetic studies of some of their reactions.

Scientific Committees in Chemistry Department (Saudia)

- 1) Secretary of the Scientific Research and Graduate Studies Committee.
- 2) Vice-Chairman of the Teaching Committee and Student Affairs.
- 3) Vice-Chairman of the Archiving and Documentation Committee and Study Schedules.
- 4) Member of the Management Committee of Quality Assurance and Academic Accreditation and Development.

- 5) Member of the Training Committee and Student Graduation Projects.
- 6) Member of the Social and Media Committee.
- 7) Member of the Laboratories Safety Committee.
- 8) General Coordinator for the Characterization of the Chemistry Courses.
- 9) Coordinator of the Division of Physical Chemistry.
- 10) Member of the Performance Indicators and Measurement of Learning Outcomes Committee.
- 11) Member of the Tests Quality Committee.
- 12) Member of the Development and Quality Assurance Department at the College of Applied Sciences (as coordinator of the Quality Unit in the Chemistry Department).

Participation in the Activities of the Chemistry Department and Faculty of Applied Sciences

- 1) Participation in all department councils and public lectures and seminars of the Chemistry Department and Faculty of Applied Sciences.
- 2) Supervision of a number of master's and doctoral dissertations in the Chemistry Department from 2012 until now.
- 3) Participation in various scientific committees in the Chemistry Department.
- 4) Participation in some scientific research groups in the Department.
- 5) Participation in graduation projects for students of the Department.
- 6) Preparation of some theoretical and practical teaching courses.
- 7) Participation in the preparation of the self-study of the Chemistry Department submitted to the Academic Accreditation Committee (ASIIN).
- 8) Participation in the preparation of revision report for safety in the department laboratories.

- 9) Participation in the workshop associated with the visit of the German Accreditation Entitled: Introductory Meeting Program of Accreditation and Quality Assurance, 2012.
- 10) Participation with a paper in Fifth Saudi Sciences Conference – Faculty of Applied Science, 2012.
- 11) Attendance of “Website Development Program “ - Chemistry Department, 2013.
- 12) Attendance of “Protocol of Safety Work in Chemistry Laboratories Lecture “ – Chemistry Department, 2013.
- 13) Attendance of the open meeting with the Dean of the Faculty of Sciences to determine the future of Academic and Research Plan for the College - Faculty of Sciences, 2015.
- 14) Participation in the unification of general chemistry course, 2015.
- 15) Preparing the list of physical chemistry books available in the library of the college and the list of required books, 2015.
- 16) Attendance of “Electron Microscopy Sample Preparation Tools Seminar “ - Chemistry Department, 2015.
- 17) Attendance of a lecture on “TEM and SEM “ - Chemistry Department, 2015.
- 18) Attendance of a lecture on “Definition of Internal Grants and Apply Mechanisms “ – Chemistry Department, 2015.
- 19) Attendance of a workshop entitled "Culture of Quality and Academic Accreditation Requirements and How to Formulate and Characterize Course Report “ – Chemistry Department, 2015.
- 20) Attendance of “Poster Exhibition on the Chemistry Department Students (El-Zaher) – Chemistry Department, 2015.
- 21) Participation with a paper in the “First Scientific Day “ - Faculty of Applied Science, 2016.

International and Local Scientific Conferences

- 1) The Second International Conference on Basic Sciences and Advanced Technology, Assiut, Egypt, 2000.
- 2) The Third International Conference in Electrochemistry and its Applications, Luxor, Egypt, 2001.
- 3) Physics Workshop in Assiut University, Assiut, Egypt, 2003.
- 4) 10th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry (ISIC), Luxor, Egypt, 2007.
- 5) The First Conference for Young Scientists, Basic Sciences & Technology, Assiut University, Assiut, Egypt, 2007.
- 6) 9th Arab International Conference on Polymer Science & Technology, Hurghada, Egypt, 2007.
- 7) International Conference in Chemistry, Makkah Al-Mukarramah, Saudia, 2007.
- 8) 11th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry (ISIC), Cairo, Egypt, 2008.
- 9) Taibah International Chemistry Conference, Al-Madinah Al-Munawwarah, Saudia, 2009.
- 10) 11th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2011.
- 11) Fifth Saudi Science Conference, Makkah Al-Mukaramah, Saudia, 2012.
- 12) 12th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2012.
- 13) The First International Scientific Meeting of Faculty of Pharmacy, Makkah Al-Mukaramah, Saudia, 2013.
- 14) 13th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2013.

- 15) The Fourth Scientific Conference for Students of Higher Education in Kingdom of Saudi Arabia, Makkah Al-Mukaramah, Saudia, 2013.
- 16) 14th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2014.
- 17) The Second International Scientific Meeting of Faculty of Pharmacy, Makkah Al-Mukaramah, Saudia, 2014.
- 18) 16th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2016.
- 19) First Forum for Scientific Research, Makkah Al-Mukaramah, Saudia, 2016.
- 20) First Scientific Day of the Faculty of Science-Makkah Al-Mukaramah, Saudia, 2016.
- 21) The Fifth Conference of the Elaboration of the Teacher, "The Elaboration and Training of the Teacher in the Light of the Demands of Development and the Time Developments"-College of Education-Umm Al Qura University, 2016.
- 22) 2nd International Conference on Applied Chemistry, Hurghada, Egypt, 2017.
- 23) 18th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2018.
- 24) Workshop on "Environmental Impact of Charity Work" - Chamber of Commerce in Makkah Al-Mukaramah, Saudia, 2018.
- 25) 22th Scientific Forum for Hajj Researches, Makkah Al-Mukaramah, Saudia, 2023.
- 26) The 3rd MRCE International Conference on: Materials Engineering and Nanotechnology (3rd MRCE- ME&N) Hurghada, Egypt, 2023.

Participation in the General Activities in Umm Al-Qura University

- 1) Participation in the public cultural activities, conferences, seminars, meetings and workshops at the university.
- 2) The Volunteer Work Seminar and Future Prospects - Umm Al-Qura University, 2012.
- 3) The Training Session: "The Role of Intelligence in the Moral Obligation of Identity" - Umm Al-Qura University, 2013.
- 4) The International Conference on Arabic Sciences in the Arab Universities between Educational Attainment and the Skill Composition - Umm Al Qura University, 2013.
- 5) The Celebration of the National Quality Week - Umm Al-Qura University, 2013.
- 6) First Scientific Forum: "Local and International Experiences" for the Chair, Prince Khaled Al-Faisal - Umm Al-Qura University, 2013.
- 7) Innovation and Entrepreneurship Forum, Umm Al-Qura University, 2013.
- 8) Youth Innovation and Entrepreneurship, Umm Al-Qura University, 2013.
- 9) The Jurisprudence Budgets Conference and its Role in Contemporary Life - Umm Al-Qura University, 2013.
- 10) The Pilot Experiences World Conference in the Areas of Humanitarian and Charity Work - Umm Al-Qura University, 2013.
- 11) The Panel Discussion "Electronic-Courses, A Step for Participation " - Umm Al Qura University, 2014.
- 12) The GIS Innovation Forum - Umm Al-Qura University, 2014.
- 13) Innovation in Transportation and Crowd Management Forum - Umm Al-Qura University, 2014.
- 14) The First Arbitration Meeting in the Muslim World - Umm Al-Qura University, 2014.

- 15) The Innovation and Entrepreneurship Forum, Umm Al-Qura University, 2014.
- 16) The Youth Innovation and Entrepreneurship, Umm Al-Qura University, 2014.
- 17) The Global Intellectual Property and Patents - Umm Al-Qura University, 2014.
- 18) The GIS Innovation Forum - Umm Al-Qura University, 2015.
- 19) Innovation in Transportation and Crowd Management Forum - Umm Al-Qura University, 2015.
- 20) The Innovation and Entrepreneurship Forum, Umm Al-Qura University, 2015.
- 21) The Youth Innovation and Entrepreneurship, Umm Al-Qura University, 2015.
- 22) The Leadership Challenge Program, King Salman Center, Umm Al-Qura University, 2015.
- 23) The Workshop Entitled "School Reliance" - College of Education - Umm Al Qura University, 2016.
- 24) The First International Conference on Banking and Finance - Umm Al Qura University, 2016.
- 25) Scientific Conference on "Hesba" – Umm Al Qura University, 2018.
- 26) First Educational Affairs Forum: Vision and Transformation - Umm Al Qura University, 2019.
- 27) Academic Forum Entitled: Towards a Teaching that Achieves the Vision - Makkah Al-Mukaramah, Saudi Arabia, 2018.
- 28) University Preparation Lecture for Visiting External Auditors - Umm Al Qura University, 2019.
- 29) Our University Steps Towards Vision Forum - Umm Al Qura University, 2019.
- 30) Charity Work Conference - Umm Al-Qura University, 2019.
- 31) Forum of Volunteer Work in the Service of Guests of Rahman - Umm Al-Qura University, 2019.
- 32) The International Quality Day ceremony to honor the members of the quality committees at the University for Umm Al-Qura University to obtain international accreditation - Umm Al-Qura University, 2019.

- 33) Umm Al-Qura University Forum for Innovation - Umm Al-Qura University, 2019.
- 34) The Panel Discussion to Prepare for Facing the Crisis - Umm Al-Qura University, 2020.
- 35) The First Consultative Virtual Forum in Crisis Management - Umm Al-Qura University, 2020.
- 36) Seminar entitled "The Institutional Funding Program: Opportunities and Future Directions in Supporting Research and Innovation in Universities" - Umm Al-Qura University, 2022.
- 37) The interactive seminar presented by the Saudi Authority for Intellectual Property in cooperation with the World Organization of WIPO entitled: Youth and Intellectual Property: a view on WIPO Services and Initiatives - Umm Al-Qura University, 2022.

Scientific and Teaching Activities

1. **Publications:** More than **150** published scientific papers in physical chemistry (The major in Kinetics and Catalysis and the rest in Electrochemistry).
2. **Research Compounds:** More than **250** chemical compounds including biological compounds (carbohydrate polymers, amino acids, synthesized amino acid surfactants and pharmaceutical drugs), organic compounds, organometallic complexes, oxidizing agents, metal ion catalysts, mineral acids and bases, organic solvents, metals and alloys, etc.
3. **Journals:** Papers have been published in about **50** specialized scientific international journals from about **15** publishers such as: Nature, Elsevier, Springer, Wiley, ACS, Taylor-Frances, ESG, JMES, VBRI, Hindawi, Sci. PG, AASCIT, etc. and in international conferences.
4. **Refereeing of Scientific Papers:** For more than **35** international journals.

5. **Memberships and as an Editorial Member:** In **5** international journals.
6. **Supervision of Post-Graduate Theses:** **4** M.Sc. theses and **3** Ph. D. theses in Saudia in addition to **1** M.Sc. thesis in Egypt.
7. **Research Projects:** **10** research projects funded from **4** universities (**4** from Umm Al-Qura University, **1** from Prince Nourah University, **3** from Imam Mohammad Ibn Saud Islamic University, **1** from Bisha University) as well as one project funded from SABIC Company.
8. **Refereeing of Research Projects:** From Umm Al-Qura University, Taif University, Princess Nourah University in addition to Saudi Standards, Metrology and Quality Organization.
9. **Participation in the Scientific Committees:** About **10** committees in the chemistry department.
10. **International and Local Conferences:** **26** conferences in Egypt and Saudia.
11. **Training Programs:** More than **100** programs in Career Ethics, E-Learning, Teaching, Scientific Research, Quality and Academic Accreditation, Skills Development, etc.
12. **Participation in the Activities of Chemistry Department and Faculty of Applied Sciences:** About **20** activities.
13. **Participation in the General Activities at Umm Al-Qura University:** Around **34** activities.
14. **Teaching Experiences:** **40** teaching courses for Under-Graduate and Post-Graduate Students.

Excellence in Scientific Research

1. 5th position in the highest faculty members in the number of published scientific papers according to SCOPUS at Faculty of Applied Sciences, Umm Al-Qura University, until 2018.
2. 5th position in the highest faculty members in the publication of scientific papers according to SCOPUS at Faculty of Applied Sciences, Umm Al-Qura University, for five years (2019).
3. 4th position in the highest faculty members in the publication of scientific papers according to ISI at Faculty of Applied Sciences, Umm Al-Qura University, until 2019.
4. 7th position in the highest faculty members in the publication of scientific papers at Faculty of Applied Sciences, Umm Al-Qura University, for more than 10 years (2020).
5. I was ranked by Stanford University among the most influential 2% of scientists worldwide (2022).

Thanks and Appreciation Certificates Presented from Chemistry Department at Faculty of Applied Sciences - Umm Al-Qura University

- 1) Thanks and Appreciation Certificate for the Research Excellence Award for the Years 2012 and 2013.
- 2) Thanks and Appreciation Certificate for the Distinguished Activity in the Department, and Active Participation in the Department Councils, Conferences, General Lectures, and Various Events in the Department, the College and the University.
- 3) Thanks and Appreciation Certificate for the Department's Distinguished Scientific Research Activities and the Prominent Role in the Significant Scientific Publishing and Preparation of Important Research Projects.

- 4) Thanks and Appreciation Certificate for the Effective Participation in the Various Committees at the Department.
- 5) Thanks and Appreciation Certificate for the Scientific Research Activity in the Supervision on Many Master's and Doctoral Dissertations in the Department.
- 6) Thanks and Appreciation Certificate for the Distinguished Teaching Activity for Many Teaching Courses for Students of the College and Other Colleges, and the Use of Modern Methods of Teaching and Develop the Various Teaching Methods.
- 7) Thanks and Appreciation Certificate for Preparing, Describing and Developing Many Teaching Courses for the Undergraduate and Post-Graduate Stages and for Developing New Teaching Plans for the Department.
- 8) Thanks and Gratitude Certificate Presented from the Agency for Development and Workers Entrepreneurship at Umm Al-Qura University for the Efforts made in Serving the University and Society - 2019.

List of Publications

First: In The International Journals

1. Spectrophotometric Evidence for the Formation of Short-Lived Hypomanganate (V) and Manganate (VI) Transient Species During the Oxidation of K-Carrageenan by Alkaline Permanganate.

G. A. Ahmed, A. Fawzy, R. M. Hassan

Carbohydr. Res., 342, 1382-1386 (2007).

2. Acid-Catalyzed Oxidation of Some Sulfated Macromolecules. Kinetics and Mechanism of Oxidation of Kappa-Carrageenan Polysaccharides by Permanganate Ion in Acid Perchlorate Solutions.

R. M. Hassan, A. Fawzy, G. A. Ahmed, I. A. Zaafarany, B. S. Asghar, K. S. Khairou

J. Mol. Cat. A, 309, 95-102 (2009)

3. Acid-Catalyzed Oxidation of Carboxymethyl Cellulose. Kinetics and Mechanism of Permanganate Oxidation of Carboxymethyl Cellulose in Acid Perchlorate Solutions.

R. M. Hassan, D. A. Abdel-Kader, S. M. Ahmed, A. Fawzy, I.A. Zaafarany, B. A. Asgar, H. D. Takagi

Cat. Commun., 11, 184-190 (2009)

4. Acid-Catalyzed Oxidation of Carboxymethyl Cellulose Polysaccharide by Chromic Acid in Aqueous Perchlorate Solutions. A Kinetics Study.

R. M. Hassan, S. M. Ahmed, A. Fawzy, D. A. Abdel-Kader, Y. Ikeda, H. D. Takagi

Cat. Commun., 11, 611-615 (2010)

5. Acid-Catalyzed Oxidation of Some Sulfated Polysaccharides. Kinetics and Mechanism of Oxidation of Kappa-carrageenan by Cerium (IV) in Aqueous Perchlorate Solutions.

R. M. Hassan, A. Alaraifi, **A. Fawzy**, I. A. Zaafarany, K. S. Khairou, Y. Ikeda, H. D. Takagi

J. Mol. Cat. A, 332, 138–144 (2010)

6. Further Evidence for Detection of Short-Lived Transient Hypomanganate (V) and Manganate (VI) Intermediates During Oxidation of Some Sulfated Polysaccharides by Alkaline Permanganate Using Conventional Spectrophotometric Techniques.

I. A. Zaafarany, **A. Fawzy**, G. A. Ahmed, S. A. Ibrahim, R. M. Hassan, H. D. Takagi

Carbohydr. Res., 345, 1588-1593 (2010)

7. Base-Catalyzed Oxidation of Some Sulfated Macromolecules: Kinetics and Mechanism of Formation of Intermediate Complexes of Short-Lived Manganate(VI) and/or Hypomanganate (V) During Oxidation of Iota- and Lambda-Carrageenan Polysaccharides by Alkaline Permanganate.

R. M. Hassan, **A. Fawzy**, A. Alarifi, G. A. Ahmed, I. A. Zaafarany, H. D. Takagi

J. Mol. Cat. A, 335, 38-45 (2011)

8. Base-Catalyzed Oxidation. Kinetics and Mechanism of Hexacyanoferrate(III) Oxidation of Methyl Cellulose Polysaccharide in Alkaline Solutions.

R. M. Hassan, S. M. Ibrahim, I. A. Zaafarany, **A. Fawzy**, H. D. Takagi

J. Mol. Cat. A, 344, 93-98 (2011)

9. Kinetics and Mechanism of Permanganate Oxidation of Iota- and Lambda-Carrageenan Polysaccharides as Sulfated Carbohydrates in Acid Perchlorate Solutions.

R. M. Hassan, **A. Fawzy**, G. A. Ahmed, I. A. Zaafarany, B. H. Asghar, H. D. Takagi, Y. Ikeda

Carbohydr. Res., 346, 2260-2267 (2011)

10. Oxidation of Some Macromolecules. Kinetics and Mechanism of Oxidation of Methyl Cellulose Polysaccharide by Permanganate Ion in Acid Perchlorate Solutions.

- R. M Hassan, A.Dahy, S. Ibrahim, I. A. Zaaferany, **A. Fawzy**
Ind. Eng. Chem. Res., 51, 5424–5432 (2012)
11. Polymeric Biomaterial Hydrogels. I. Behavior of Some Iontropic Cross-Linked Metal-Alginate Hydrogels Especially Copper-Alginate Membranes in Some Organic Solvents and Buffer Solutions.
- R. Hassan, F. Tirkistani, I. A. Zaaferany, **A. Fawzy**, M. Khairy, S. Iqbal
Advances Biosci. Biotech., 3, 845-854 (2012)
12. Corrosion inhibition of Iron in Sulphuric Acid Solution by Antibacterial Cephalosporin.
- M. Abdallah, A. S. Fouda, I. Zaaferany, **A. Fawzy**, Y. Abdallah
J. Am. Sci., 9, 209-215 (2013)
13. Inhibition of Aluminum Corrosion in Hydrochloric Acid by Cellulose and Chitosan.
- M. Abdallah, I. Zaaferany, **A. Fawzy**, M. A. Radwan, E. Abdfattah
J. Am. Sci., 9, 580-586 (2013)
14. Polymeric Biomaterial Hydrogels: II. Behavior of Some Coordination Biopolymeric Metal-Alginate Iontropic Hydrogels in Aqueous Solutions.
- R. M. Hassan, I. A. Zaaferany, A. A. Gobouri, F. A. Tirkistani, **A. Fawzy**, H. Takagi
J. Life Med., 1, 41-47 (2013)
15. Base-Catalyzed Oxidation of L-Asparagine by Alkaline Permanganate and the Effect of Alkali-Metal Ion Catalysts: Kinetics and Mechanistic Approach.
- A. Fawzy**, S. S. Ashour, M. A. Musleh
React. Kinet. Mech. Cat., 111, 443-460 (2014)
16. Kinetics and Mechanistic Investigations on the Oxidation of *N'*-Heteroaryl Unsymmetrical Formamidines by Permanganate Ion in Aqueous Alkaline Medium.
- A Fawzy**, M. R. Shaaban
Transition Met. Chem., 39, 379–386 (2014)
17. Influence of N-Thiazolyl-2-Cyanoacetamide Derivatives on the Corrosion of

Aluminum in 0.01 M Sodium Hydroxide.

M. Abdallah, O. A. Hazazi, A. Fawzy, S. El-Shafei, A. S. Fouda

Prot. Met. Phys. Chem. Surf., 50, 659-666 (2014)

18. Enhanced 4-Amino-5-Methyl-4H-1,2,4-Triazole-3-Thiol Inhibition of Corrosion of Mild Steel in 0.5 M H₂SO₄ by Cu(II).

O. A. Hazazi, A. Fawzy, M. R. Shaaban, M. I. Awad

Int. J. Electrochem. Sci., 9 1378-1389 (2014)

19. Synergistic Effect of Halides on the Corrosion Inhibition of Mild Steel in H₂SO₄ by a Triazole Derivative: Kinetics and Thermodynamic Studies.

O. A. Hazazi, A. Fawzy, M. I. Awad

Int. J. Electrochem. Sci., 9, 4086-4103 (2014)

20. Kinetics and Mechanistic Approach into Electron-Transfer of Permanganate Oxidation of Silver(I) in Aqueous Perchlorate Solutions.

R. M. Hassan, I. A. Zaafarany, F. A. Tirkistani, A. Fawzy, H. D. Takagi

Res. Appl. Inorg. Chem., 1, 1-10 (2014)

21. Kinetics and Mechanism of Oxidation of L-Histidine by Permanganate Ions in Sulfuric Acid Medium.

A. Fawzy, S. S. Ashour, M. A. Musleh.

Int. J. Chem. Kinet., 46, 370-381 (2014)

22. Influence of Copper(II) Catalyst on the Oxidation of L-Histidine by Platinum(IV) in Alkaline Medium: A Kinetic and Mechanistic Study.

A. Fawzy

Transition Met. Chem., 39, 567-576 (2014)

23. Kinetics and Mechanistic Approach to the Oxidative Behavior of Biological Anticancer Platinum(IV) Complex towards L-Asparagine in Acid Medium and the Effect of Copper(II) Catalyst.

A. Fawzy

Int. J. Chem. Kinet., 47, 1-12 (2015)

24. Kinetics and Mechanism of Uncatalyzed and Silver(I)-Catalyzed Oxidation of L-Histidine by Hexachloroplatinate(IV) in Acid Medium.

A. Fawzy, B. H. Asghar

Transition Met. Chem., 40, 287-295 (2015)

25. Sulfachloropyridazine as an Eco-Friendly Inhibitor for Corrosion of Mild Steel in H₂SO₄ Solution.

O. A. Hazazi, **A. Fawzy**, M. I. Awad

Chem. Sci. Rev. Lett., 4, 67-79 (2015)

26. Transition Metal ions-Catalyzed Oxidation of L-Asparagine by Platinum(IV) in Acid Medium: A Kinetic and Mechanistic Study.

B. H. Asghar, H. M. Altass, **A. Fawzy**

Transition Met. Chem., 40, 587-594 (2015)

27. Kinetic and Mechanistic Investigation on the Zirconium(IV)-Catalyzed Oxidation of L-Histidine by Hexachloroplatinate(IV) in Acid Medium.

A. Fawzy, I. A. Zaafarany

Chem. Sci. Rev. Lett., 4, 608-618 (2015)

28. Mechanistic Investigation of Copper(II)-Catalyzed Oxidation of L-Asparagine by Hexachloroplatinate(IV) in Aqueous Alkaline Medium: A Kinetic Approach.

A. Fawzy, I. A. Zaafarany

J. Multidisc. Eng. Sci. Technol., 2, 1038-1045 (2015)

29. Base-Catalyzed Oxidation of Aminotriazole Derivative by Permanganate Ion in Aqueous Alkaline Medium: A Kinetic Study.

A. Fawzy, I. A. Zaafarany, J. Alfahemi, F. A. Tirkistani

Int. J. Inn. Res. Sci. Eng. Tech., 4, 6802-6814 (2015)

30. Oxidation of Pectate Biopolymer by Hexacyanoferrate(III) in Aqueous Alkaline Medium. A Kinetic and Mechanistic Study.

A. Fawzy, I. A. Zaafarany, J. Alfahemi, I. Althagafi, M. Morad

Chem. Sci. Rev. Lett., 4, 985-996 (2015)

31. Kinetics and Mechanistic Aspects of Oxidation of Iota- and Lambda-Carrageenans by Chromium(VI) in Aqueous Perchlorate Solutions.

A. Fawzy, I. Althagafi, K. Khairou, R. Hassan, N. Yarkandi, L. Almazroai, T. Bawazeer

Chem. Sci. Rev. Lett., 4, 1293-1304 (2015)

32. Silver(I)-Catalysis of Oxidative Deamination and Decarboxylation of L-Asparagine and L-Histidine by Platinum(IV) in Perchloric Acid Solutions: A Comparative Kinetics Study.

B. H. Asghar, H. M. Altass, **A. Fawzy**

J. Env. Chem. Eng., 4, 617-623 (2016)

33. Oxidation of Alginate and Pectate Biopolymers by Cerium(IV) in Perchloric and Sulfuric Acid Solutions: A Comparative Kinetic and Mechanistic Study.

A. Fawzy

Carbohydr. Polym., 138, 356-364 (2016)

34. Ruthenium(III)-Catalyzed Oxidation of Alginate and Pectate Biopolymers by Chromic Acid in Aqueous Perchlorate Solutions: A Comparative Kinetic Study.

A. Fawzy, H. M. Altass

Transition Met. Chem., 41, 115-124 (2016)

35. Palladium(II)-Catalyzed Oxidation of L-Tryptophan by Hexacyanoferrate(III) in Perchloric Acid Medium: A Kinetic and Mechanistic Approach.

A. Fawzy

J. Chem. Sci., 128, 247-256 (2016)

36. Kinetic and Mechanistic Aspects of Oxidation of Aminotriazole Formamidine by Cerium(IV) in Aqueous Perchloric and Sulfuric Acid Solutions: A Comparative Study.

A. Fawzy

J. Solution Chem., 45, 246-264 (2016)

37. Europium(III)-Catalysis for Reduction of Thionine Dye by Selenous Acid in

Aqueous Sulfuric Acid Solutions: A Kinetic and Mechanistic Approach.

A. Fawzy

Int. J. Chem. Kinet., 48, 531–543 (2016)

38. Kinetics and Mechanism of Uncatalyzed and Ruthenium(III)-Catalyzed Oxidation of Formamidine Derivative by Hexacyanoferrate(III) in Aqueous Alkaline Medium.

A. Fawzy

J. Chem. Sci., 128, 733-743 (2016)

39. Kinetics and Mechanistic Approach to the Chromic Acid Oxidation of L-Tryptophan with a Spectral Detection of Chromium(III) Product.

A. Fawzy, S. S. Ashour, M. A. Musleh, R. M. Hassan, B. H. Asghar

J. Saudi Chem. Soc., 20, 450-458 (2016)

40. Kinetic, Mechanistic, and Spectroscopic Studies of Permanganate Oxidation of Azinylformamidines in Acidic Medium, with Autocatalytic Behavior of Manganese(II).

B. H. Asghar, **A. Fawzy**

J. Saudi Chem. Soc., 20, 561-569 (2016)

41. Kinetics and Mechanistic Study of Permanganate Oxidation of Fluorenone Hydrazone in Alkaline Medium.

A. Fawzy, S. A. Ahmed, I. I. Althagafi, M. H. Morad, K. S. Khairou

Adv. Phys. Chem., 1-9 (2016)

42. Chromic Acid Oxidation of Methylaminopyrazole Formamidine in Sulfuric Acid Medium: A Kinetic and Mechanistic Approach.

A. Fawzy, I. Althagafi, F. Tirkistani, M. Shaaban, M. Morad

Am. J. Phys. Chem., 5, 1-9 (2016)

43. Kinetics and Mechanism of Silver(I)-Catalyzed Oxidation of Tryptophan by Platinum(IV) in Perchlorate Solutions.

A. Fawzy, I. Althagafi

Am. J. Chem. Eng., 4, 23-29 (2016)

44. Cerium(IV) Oxidation of Sulfated Polysaccharides in Aqueous Perchlorate Solutions. A Kinetic and Mechanistic Approach.

A. Fawzy, R. M. Hassan, I. Althagafi, M. Morad

Adv. Mater. Lett., 7, 122-128 (2016)

45. Kinetics and Mechanistic Study of Oxidation of Pyridine Derivative by Cerium (IV) in Aqueous Perchloric Acid.

A. Fawzy, I. A. Zaafarany, F. A. Tirkistani, A. Al-Bonayan, F. A. Aljiffrey

Am. J. Phys. Chem., 5, 10-16 (2016)

46. Kinetic and Mechanism of Oxidation of Methylaminopyrazole Formamidine by Alkaline Hexacyanoferrate(III) and the Effect of Divalent Transition Metal Ions.

A. Fawzy, I. A. Zaafarany, N. Yarkandi, A. Al-Bonayan, Z. Almallah

Sci. J. Chem., 1, 1-8 (2016)

47. Effect of Silver(I) Catalyst on the Oxidation of L-Asparagine by Alkaline Hexacyanoferrate(III): A Kinetic and Mechanistic Approach.

A. Fawzy, I. A. Zaafarany, A. Al-Bonayan, Z. Almallah, R. Shah

Modern Chem., 4, 6-15 (2016)

48. Synthesis of Novel Diketo acid Carragenans as Coordination Biopolymeric Chealting Agent Precursor by Oxidation of Kappa-Carrageenan Polysaccharide by Alkaline Permanganate.

A. Fawzy, I. A. Zaafarany, I. I. Althagafi, J. H. Alfahemi, H. M. Altass, K. S. Khairou, R. M. Hassan,

AASCIT Commun., 3, 49-55 (2016)

49. Kinetic and Mechanism of Oxidation of Benzazolyformamidines by Permanganate in Alkaline Medium.

A. Fawzy, I. Zaafarany, I. Althagafi, A. Al-Bonayan, F. Aljiffrey

Am. J. Appl. Chem., 4, 50-58 (2016)

50. Palladium(II)-Catalyzed Oxidation of Pyrimidine Derivative by Hexacyanoferrate(III) in Aqueous Alkaline Medium: A Kinetic Study.

A. Fawzy, I. Zaafarany, F. Tirkistani, J. Alfahemi, M. Morad

Am. J. Chem. Eng., 4, 38-45 (2016)

51. Oxidation of Formamidines by Cerium(IV) in Aqueous Perchlorate Solutions: A Kinetics and Mechanistic Approach.

A. Fawzy, I. A. Zaafarany, I. Althagafi, M. Morad, J. Alfahemi

Adv. Biochem., 4, 1-8 (2016)

52. Kinetics and Mechanism of Oxidation of Vanillin by Permanganate in Neutral Medium and the Effect of Different Transition Metal Ion Catalysts.

A. Fawzy, I. A. Zaafarany, I. Althagafi, J. Alfahemi, M. Morad

Aust. Chem. Eng., 3(2), 1-6 (2016)

53. Kinetics and Mechanism of Oxidation of Vanillin by Chromium(VI) in Sulfuric Acid Solutions.

A. Fawzy, I. A. Zaafarany, K. S. Khairou, I. Althagafi, J. Alfahemi

Modern Chem. Appl., 4, 179 (2016)

54. Ruthenium(III)-Catalyzed Oxidation of Vanillin by Anticancer Hexachloroplatinate(IV) Complex in Perchloric Acid Solution: A Kinetic Study.

A. Fawzy, I.A. Zaafarany, K. S. Khairou, L. S. Almazroai, B. A. Al-Jahdali, T. M. Bawazeer

Am. J. Phys. Chem., 5, 56-64 (2016)

55. Oxidation of Caffeine by Permanganate Ion in Perchloric and Sulfuric Acid Solutions: A Comparative Kinetic Study.

A. Fawzy, I.A. Zaafarany, K. S. Khairou, L. S. Almazroai, B. A. Al-Jahdali, T. M. Bawazeer

Sci. J. Chem., 4, 19-28 (2016)

56. Kinetics and Mechanism of Silver(I)-Catalyzed Oxidations of α -Aminobutyric Acid by Platinum(IV) in Perchloric and Sulfuric Acid Solutions.

A. Fawzy, I.A. Zaafarany, K. S. Khairou, N. Yarkandi, L. S. Almazroai, T. M. Bawazeer

Aust. Chem. Eng., 3(2), 1-7 (2016)

57. A Comparative Kinetic Study of Silver(I)-Catalyzed Oxidations of Alanine and Valine by Platinum(IV) in Perchloric and Sulfuric Acid Solutions.

A. Fawzy, I. A. Zaafarany, F. A. Tirkistani, I. Althagafi, J. Alfahemi
Am. J. Phys. Chem., 5, 65-73 (2016)

58. Kinetics and Mechanistic Approach to Palladium(II)-Catalyzed Oxidative Deamination and Decarboxylation of Leucine and Isoleucine by Anticancer Platinum(IV) Complex in Perchlorate Solutions.

A. Fawzy, I. A. Zaafarany, H. M. Altass, I. I. Althagafi, T. M. Bawazeer
Modern Chem. Appl., 4, 182 (2016)

59. Kinetics and Mechanistic Approach to the Permanganate Oxidation of L-Glutamine in Alkaline Medium.

A. Fawzy, H. M. Altass
Aust. Chem. Eng., 3(3), 1-6 (2016)

60. A Comparative Kinetic and Mechanistic Study on the Oxidation Behavior of Halogenated Fluorenes by Permanganate in Alkaline Medium.

A. Fawzy, R. J. Jassas, I. I. Althagafi, S. A. Ahmed, H. M. Altass
Sci. J. Chem., 4, 69-78 (2016)

61. Silver(I) Catalysis for Oxidation of L-Glutamine by Cerium(IV) in Perchlorate Solutions: Kinetics and Mechanistic Approach.

A. Fawzy, B. A. Al-Jahdali
Aust. Chem. Eng., 3(4), 1-8 (2016)

62. Silver-Catalyzed Oxidation of Atropine Drug by Cerium(IV) in Aqueous Perchlorate Solutions: A Kinetics and Mechanistic Approach.

A. Fawzy, I. A. Zaafarany, I. I. Althagafi, H. M. Altass
J. Drug Design Med. Chem., 2, 51-59 (2016)

63. Oxidative Degradation of Atropine Drug by Permanganate Ion in Perchloric and Sulfuric Acid Solutions: A Comparative Kinetic Study.

A. Fawzy, I. A. Zaafarany, F. A. Tirkistani, B. H. Asghar
Adv. Biochem., 4, 58-65 (2016)

64. Kinetics and Mechanistic Approach to the Chromic Acid Oxidative Degradation of Atropine Drug in Perchlorate Solutions and the Effect of Ruthenium(III) Catalyst.

A. Fawzy, I. A. Zaaferany, R. S. Jassas, R. J. Obaid, S. A. Ahmed

Modern Chem. Appl., 4, 196 (2016)

65. Kinetics and Mechanism of Oxidation of Fluorenone Hydrazone by Permanganate Ion in Different Acidic Media.

A. Fawzy, S. A. Ahmed, H. M. Altass, I. I. Althagafi, I. A. Zaaferany, K. S. Khairou

Aust. Chem. Eng., 3(4), 1-7 (2016)

66. Kinetics and Mechanism of Ruthenium(III)-Catalyzed Oxidation of L-Citrulline by Hexachloroplatinate(IV) in Perchloric Acid.

A. Fawzy, I. A. Zaaferany, I. I. Althagafi, H. M. Altass, M. H. Morad, F. A. Tirkistani

Sci. J. Chem., 4, 53-60 (2016)

67. Kinetics and Mechanistic Study of Permanganate Oxidation of L-Citrulline in Acidic and Basic Media.

I. I. Althagafi, **A. Fawzy**

Am. J. Phys. Chem., 5, 99-107 (2016)

68. Kinetics and Mechanistic Approach to the Oxidation of Inositol by Cerium(IV) in Aqueous Perchlorate Medium.

I. Althagafi, **A. Fawzy**, I. A. Zaaferany, F. A. Tirkistani, K. S. Khairou

Am. J. Phys. Chem., 5, 87-93 (2016)

69. Kinetics and Mechanism of Permanganate Oxidation of Inositol in Perchloric and Sulfuric Acid Solutions.

A. Fawzy, I. A. Zaaferany, H. M. Altass, M. H. Morad, J. Alfahemi

Am. J. Chem. Eng., 4, 98-104 (2016)

70. Kinetics and Mechanism of Palladium(II)-Catalyzed Oxidation of Inositol by Hexachloroplatinate(IV) in Perchlorate Solutions.

A. Fawzy, I. A. Zaaferany, K. S. Khairou, S. S. Ashour, N. Yarkandi

Am. J. Appl. Chem., 4, 185-191 (2016)

71. A Study of the Kinetic and Mechanism of Oxidation of Pyrazole Derivative by Permanganate Ion in Neutral Medium and the Effect of Metal Ion Catalysts.

I. I. Althagafi, **A. Fawzy**

Am. J. Heterocycl. Chem., 2, 1-7 (2016)

72. Permanganate Oxidation of Benzimidazole and Benzthiazole Derivatives in Sulfuric Acid Medium: Kinetics and Mechanistic Aspects.

A. Fawzy, I. A. Zaaferany, K. S. Khairou, T. M. Bawazeer, B. A. Al-Jahdali, N. Yarkandi

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151. Promising treatment methodology for environmental safeguard. Kinetic and mechanistic modeling for oxidative degradation of fluconazole drug by permanganate ion in different acidic environments.
152. Mitigation of Drug Risks in Aquatic Environments. Degradation of Sulfachloropyridazine and Sulfafurazole Drugs Through Oxidation by Alkaline Hexacyanoferrate(III). Kinetics and Mechanistic Approach
153. Inhibition Effects of Lysine and Ornithine for Copper Corrosion in Nitric Acid Solution: Thermodynamic and Kinetic Aspects
154. Mechanistic Study of Cerium(IV) Oxidation of Cadaverine in Aqueous Perchloric and Sulfuric Acids Media: A Kinetic Approach.
155. Kinetic, Mechanistic and Spectral Investigation of Oxidation of Maltodextrin by Alkaline Hexacyanoferrate(III).
156. Kinetics and Mechanism of Permanganate Oxidation of Maltodextrin in Perchloric Acid Medium.
157. Ruthenium(III)-Catalyzed Oxidation of Maltodextrin Polymer by Anticancer Hexachloroplatinate(IV) Complex in Perchloric Acid: A Kinetic Approach.
158. Silver(I)-Catalyzed Oxidation of L-Glutamine and L-Glutamic Acid by Hexachloroplatinate(IV) in Perchloric and Sulfuric Acids Solutions: A Comparative Kinetic Study.
159. Oxidative Degradation of Creatine and Creatinine by Permanganate Ion in Perchloric and Sulfuric Acids Media: A Comparative Kinetic Study
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161. A Comparative Kinetic and Mechanistic Study on the Permanganate Oxidation of Ephedrine in Acid, Neutral and Alkaline Media.

162. Effect of Silver(I) Catalyst on the Kinetics and Mechanism of Oxidation of Ephedrine by Cerium(IV) in Perchlorate Solutions.
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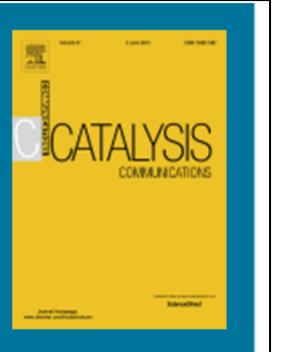
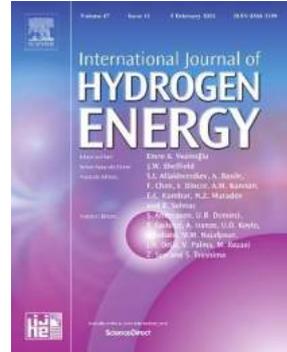
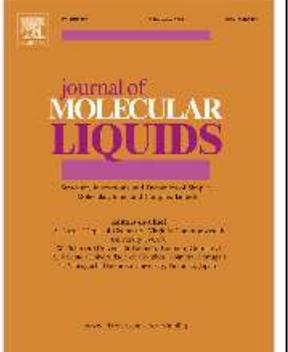
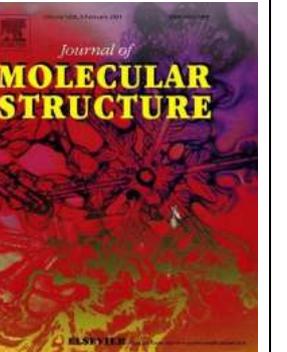
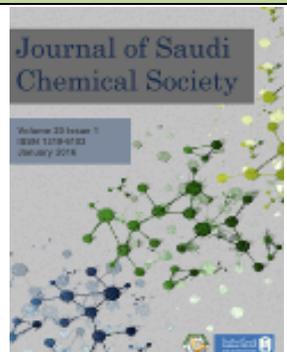
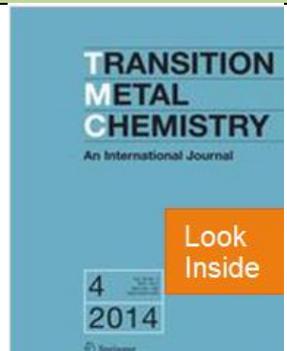
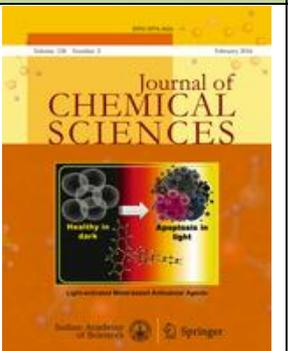
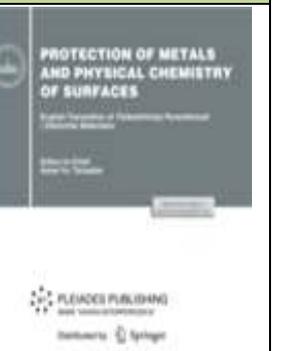
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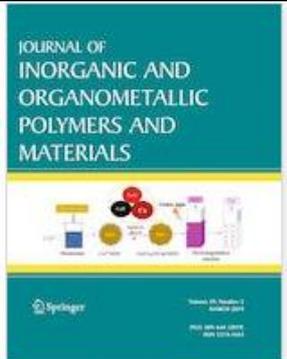
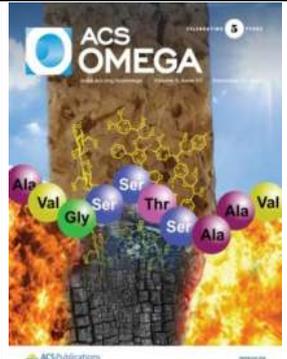
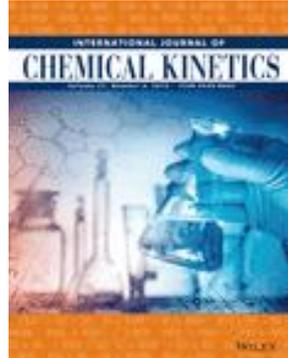
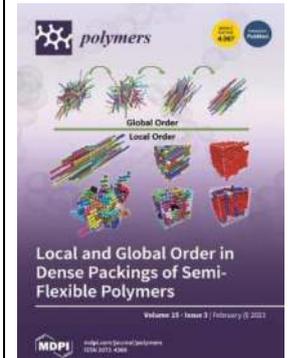
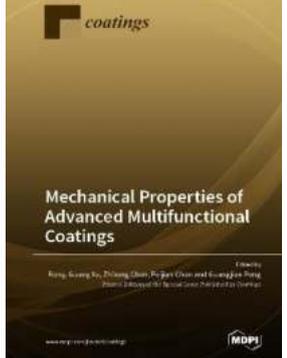
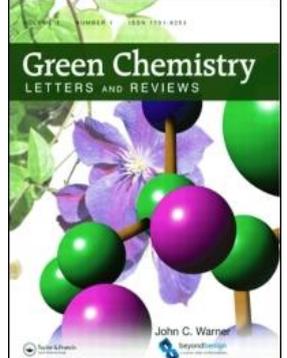
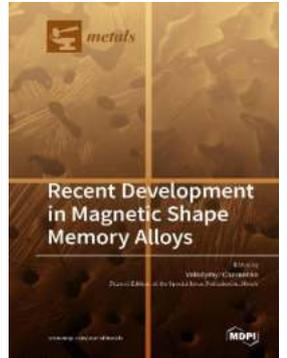
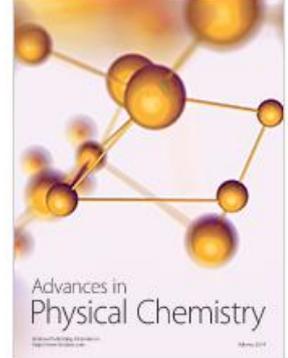
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Some Journals where Papers have been published

			
Elsevier 9.381	Elsevier 2.104	Elsevier 3.687	Elsevier 3.626
			
Elsevier 7.139	Elsevier 7.968	Elsevier 6.633	Elsevier 3.841
			
Elsevier 6.212	Elsevier 4.712	Elsevier 1.541	Nature 4.996
			
Springer 1.677	Springer 1.588	Springer 1.573	Springer 1.194

			
Springer 3.518	Springer 1.843	ACS 4.326	ACS 4.132
			
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Taylor-Francis 4.990	Taylor-Francis 2.494	Taylor-Francis 2.077	MDPI 2.695
			
Pharmacotherapy Group 0.533	Hindawi	Elsevier	Sci. Res.

Some journals where papers have been published

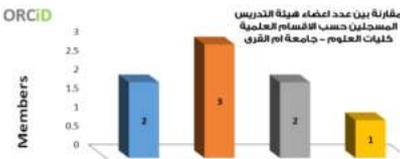
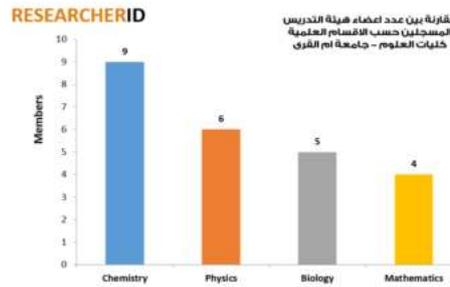
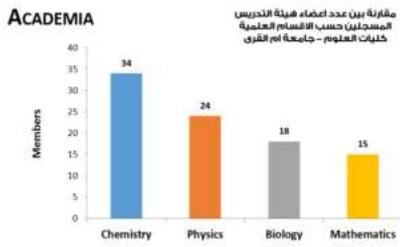
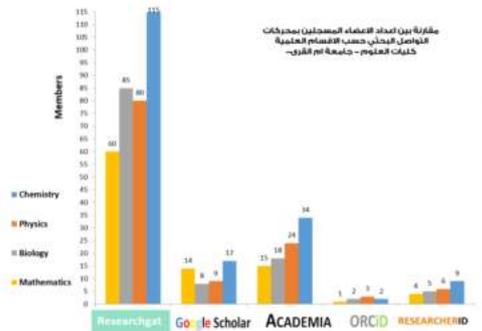
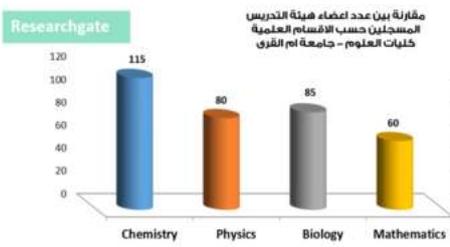
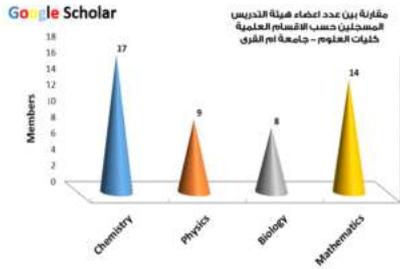
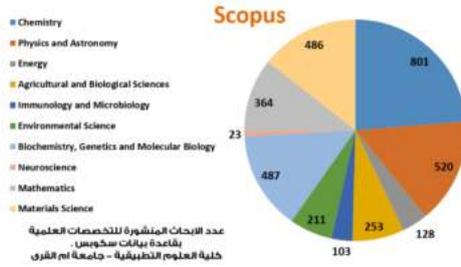
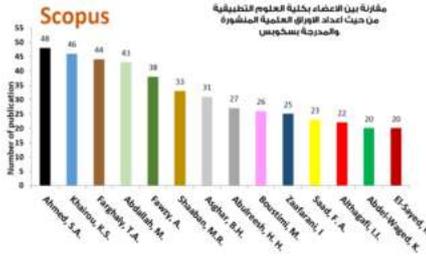
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1	Carbohydrate Polymers	Elsevier	Q1	1	9.381	ISI & SCOPUS	England
2	Carbohydrate Research		Q3	3	2.104		Netherlands
3	Journal of Molecular Catalysis		Q	4	3.687		Netherlands
4	Catalysis Communications		Q1	2	3.626		USA
5	Journal of Molecular Liquids		Q1	4	6.165		Netherlands
6	Journal of Molecular Structure		Q2	3	3.196		Netherlands
7	Journal of Environmental Chemical Engineering		Q1	1	5.909		UK
8	International Journal of Hydrogen Energy		Q1	1	5.816		
9	Arabian Journal of Chemistry		Q1	1	5.165		Saudi Arabia
10	Journal of Saudi Chemical Society		Q2	4	3.932		
11	Journal of Umm Al-Qura University for Applied Sciences						
12	International Journal of Electrochemical Science		Q3	14	1.541	Serbia	
13	Journal of Inorganic and Organometallic Polymers and Materials	Springer	Q2	2	3.543	Netherlands	
14	Reaction Kinetics, Mechanism and Catalysis		Q3	1	2.081	Hungary	
15	Journal of Solution Chemistry		Q3	2	1.677	USA	
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17	Journal of Chemical Sciences		Q3	2	1.573	India	
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18	Scientific Reports	Nature	Q1	1	4.996	Switzerland	
19	Industrial & Engineering Chemistry Research	ACS	Q1	2	3.720	USA	
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21	Journal of Heterocyclic Chemistry	Wiley	Q3	1	2.193	USA	
22	International Journal of Chemical Kinetics		Q3	4	1.462	USA	
23	Green Chemistry Letters and Reviews	Taylor-Frances	Q2	2	4.990	ISI	England
24	Chemical Engineering Communications		Q2	1	2.494	ISI & SCOPUS	USA
25	Journal of Adhesion Science and Technology	Q1	1	2.077	UK		
26	Polymers	MDPI	Q1	2	4.967	ISI & SCOPUS	Switzerland
27	Coatings		Q2	1	3.236		
28	Metals		Q3	1	2.695		
29	Tropical Journal of Pharmaceutical Research	Pharmacotherapy Group	Q3	1	0.533		Nigeria
30	Advances in Physical Chemistry	Hindawi		1		was SCOPUS	USA
31	Oriental Journal of Chemistry	Sci. Res.		1		ISI & was SCOPUS	India

البحث العلمي

كلية العلوم التطبيقية
من خلال محركات البحث الدولية في ارقام

صفر - ٢٠٢٤ هـ

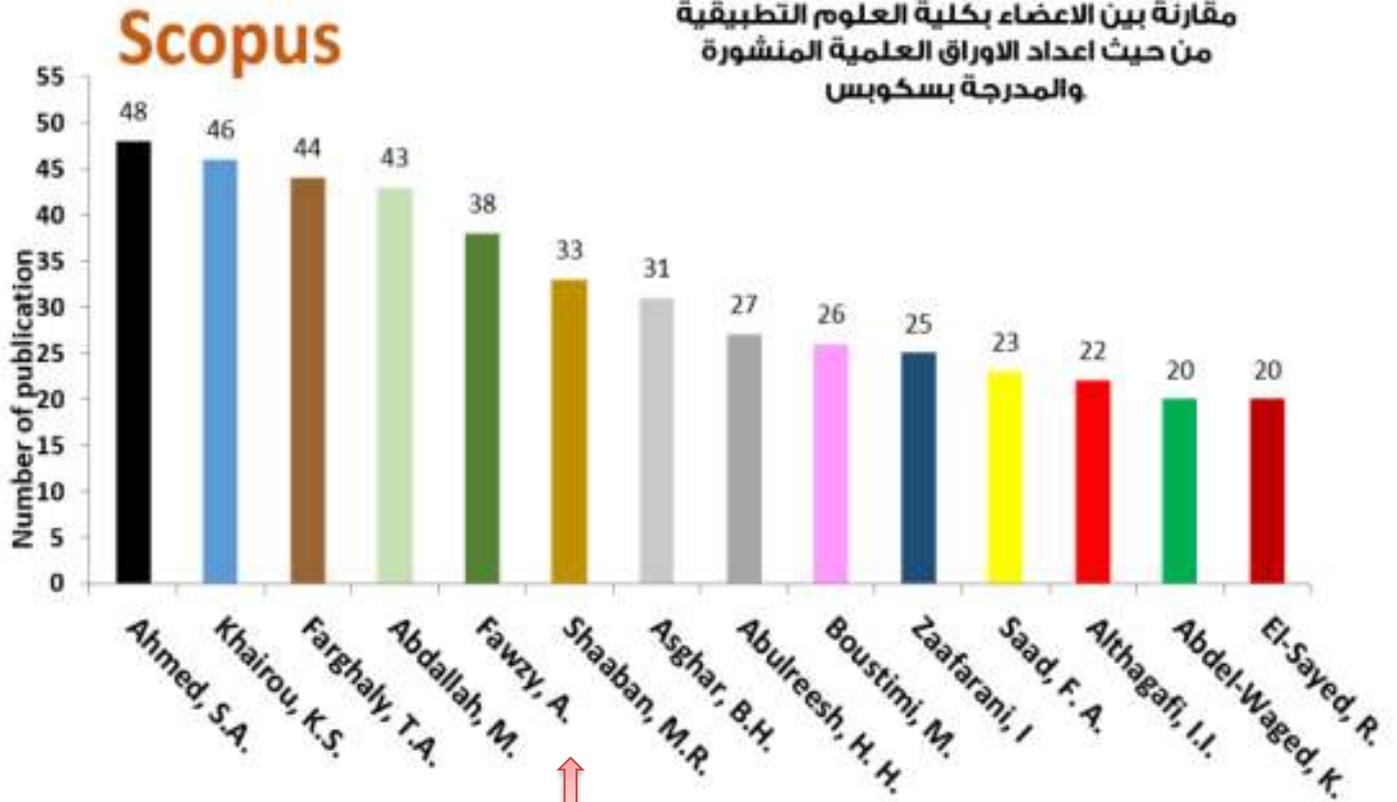
إعداد : وكالة الكلية للدراسات العليا والبحث العلمي
إشراف : عميد كلية العلوم التطبيقية



رؤية VISION
2030



مقارنة بين الاعضاء بكلية العلوم التطبيقية من حيث اعداد الاوراق العلمية المنشورة والمدرجة بسكوبس



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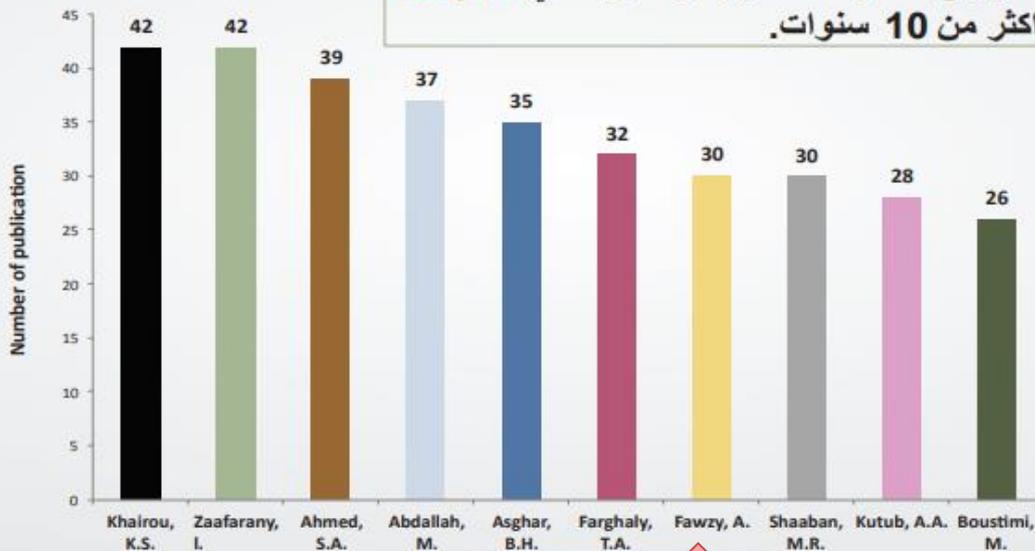


محركات البحث العلمي بكلية العلوم التطبيقية

٦

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محركات البحث العلمي بكلية العلوم التطبيقية

٧



ان ترشيحنا هذا العام من ضمن العلماء ال 2 % بجامعة اسيوط ال 28 من قبل جامعة استانفورد العالمية ليس بجديد علينا حيث تم ادراج اسمنا ضمن لائحة الشرف الامريكية العالمية للعلماء المتميزين بالعالم ال 500 عالما فقط منذ عشرين عاما وليس 2 % ضمن عشرات بل ومئات الالاف من العلماء في العالم ولكن كانت الفرحة الكبيرة وهي ترشيح احد تلاميذي الاستاذ الدكتور احمد فوزي في قائمة هذا العام كما هو مبين بالقائمة وهذا هو الشرف والفخر والتكريم لجهودي مع ابنائي الاعزاء الذي اثلج صدري والرضا عن نفسي واعتبره بانه احسن جائزة وتكريم لي شخصا.

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3	Hussein, Mahmoud Rezk Abdelwahed
4	Hamed, Sherifa Ahmed
5	Ibrahim, Sabrin R.M.
6	Ahmed, Mahmoud
7	Rashad, Mohamed
8	Badr, Gamal
9	Mamdouh A. Eissa
10	Raheem, Shehata E.Abdel
11	Hetta, Helal F.
12	Makhlouf, Salah Ahmed
13	Mansour, M. A.
14	Abdel-Salam, Mazen
15	Abo-Zahhad, Mohammed
16	Soliman, Ghareb M.
17	Morad, Moataz
18	Hamad, M. A.A.
19	Ali, Ahmed Hamza H.
20	Hassan, Refat M.
21	Fawzy, Ahmed



تتقدم أسرة كلية العلوم بأصدق التهاني القلبية إلى

أ. د أبوالحجاج هرماس الأستاذ المتفرغ بقسم الكيمياء

أ. د رفعت أبوزيد الأستاذ المتفرغ بقسم الكيمياء

أ. د صالح عبدالمجيد الأستاذ بقسم الكيمياء

أ. د أحمد فوزي سعد الأستاذ بقسم الكيمياء

د. هاني ناصر عبدالحמיד المدرس بقسم الكيمياء

حيث تم إدراج أسماء سيادتهم ضمن أكثر 2% من العلماء المؤثرين على مستوى العالم

مع أطيب التمنيات لهم بحوام التقدم والبرقي

عميد الكلية

أ. د عبد الحميد أبوسجلى