

CURRICULUM VITAE

Mohamed El-Newehy

Professor of Polymer Chemistry and Nanomaterials

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

Academic age: ~ 30 years



CURRENT POSITIONS

Degree	Organization	Date
PROFESSOR	Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.	29 OCT 2018 – Till now
VICE EDITOR-IN-CHIEF	Arabian Journal of Chemistry Publisher; Scientific Scholar https://arabjchem.org/editorial-board/	JUN 2024 – Till now
EXECUTIVE SUPERVISOR	Research and Scientific Publishing Unit College of Science, King Saud University, Riyadh, Saudi Arabia.	29 AUG 2024 – 28 AUG 2025.
EXECUTIVE SUPERVISOR	The Scientific Forum for The Students of King Saud University for Research, Innovation and Talent. Deanship of Student Affairs, King Saud University, Riyadh, Saudi Arabia. http://dsp.ksu.edu.sa/ar	2021 – Till now

PERSONAL DATA

DATE OF BIRTH	13/8/1973 G
PLACE OF BIRTH	Tanta – Egypt
E-MAIL	melnewehy@ksu.edu.sa ; melnewehy@hotmail.com
HOME PAGE	https://faculty.ksu.edu.sa/melnewehy
CURRENT ADDRESS	Riyadh, Saudi Arabia
HOME ADDRESS	Villa 7, Block 14057, Al-Arqam Ibn Abi Al-Arqam St., 6th District, El Obour City, Al-Qalyubia, Egypt.

SOCIAL MEDIA

LinkedIn	https://www.linkedin.com/in/mohamed-el-newehy-914500201/
Facebook	/mohamed.elnewehy.77
X	@melnewehy
Instagram	elnewehy_mohamed

RESEARCHER PROFILE

ResearchGate	https://www.researchgate.net/profile/Mohamed_El-Newehy
ORCID No	0000-0002-4265-0701
Scopus Id	7801537063
Researcher Id	E-3670-2014
Google Scholar	https://scholar.google.com.au/citations?user=pnt1SlkAAAAJ&hl=en
Publons	https://publons.com/researcher/1238385/mohamed-el-newehy/

EDUCATION

Degree	Organization	Date
Ph.D.; Organic Chemistry	Tanta University, Tanta, Egypt Department of Chemistry, College of Science.	30 JAN 2005
M.Sc.; Organic Chemistry	Tanta University, Tanta, Egypt Department of Chemistry, College of Science.	23 FEB 1999
B.Sc.; Chemistry	Tanta University, Tanta, Egypt Department of Chemistry, College of Science.	JUN 1995

EMPLOYMENT (ACADEMIC POSITIONS HELD)

Role	Organization	Duration
PROFESSOR	King Saud University, Riyadh, Saudi Arabia. Department of Chemistry, College of Science.	29 OCT 2018 – Till now
PROFESSOR	Tanta University, Tanta, Egypt Department of Chemistry, Faculty of Science.	23 JAN 2019 – 3 SEP 2024
ASSOCIATE PROFESSOR	King Saud University, Riyadh, Saudi Arabia. Department of Chemistry, College of Science.	26 MAY 2014 – 29 OCT 2018
ASSOCIATE PROFESSOR	Tanta University, Tanta, Egypt Department of Chemistry, Faculty of Science.	31 MAR 2013 – 23 JAN 2019
ASSISTANT PROFESSOR	King Saud University, Riyadh, Saudi Arabia. Department of Chemistry, College of Science.	31 MAR 2009 – 26 MAY 2014
ASSISTANT PROFESSOR	7 th of April University, Azzawia, Libya. Faculty of Medicine and Public Health-Al-Jomail.	1 OCT 2005 – 31 JULY 2007
ASSISTANT PROFESSOR	Tanta University, Tanta, Egypt Department of Chemistry, Faculty of Science.	27 FEB 2005 – 31 MAR 2013
ASSISTANT LECTURER	Tanta University, Tanta, Egypt Department of Chemistry, Faculty of Science.	6 APR 1999 – 27 FEB 2005
DEMONSTRATOR	Tanta University, Tanta, Egypt Department of Chemistry, Faculty of Science.	25 OCT 1995 – 6 APR 1999

POSTDOCTORAL AND VISITING PROFESSOR

Role	Organization	Duration
VISITING PROFESSOR	Donghua University, Shanghai 201620, China. State Key Laboratory for Medication of Chemical Fibers and Polymer Materials, College of Materials Science and Engineering,	21-27 MAR 2015
VISITING PROFESSOR	Chonbuk National University, 664-14, 1-Ga Dukjin-Dong, Duckjin-Gu, Jeonju, 561-75, South Korea. Department of Organic Materials and Fibers, College of Engineering,	20-29 MAR 2014

Role	Organization	Duration
VISITING PROFESSOR	Chonbuk National University, 664-14, 1-Ga Dukjin-Dong, Duckjin-Gu, Jeonju, South Korea. Department of Organic Materials and Fibers, College of Engineering,	19-25 JUN 2013
VISITING PROFESSOR	Donghua University, 2999 Renmin Road North, Songjiang, Shanghai 201620, China. College of Chemistry, Chemistry Engineering and Biotechnology,	20-30 MAR 2013
VISITING PROFESSOR	Chonbuk National University, 664-14, 1-Ga Dukjin-Dong, Duckjin-Gu, Jeonju, South Korea. Department of Organic Materials and Fibers, College of Engineering,	29-31 OCT 2011
VISITING PROFESSOR	Chonbuk National University, 664-14, 1-Ga Dukjin-Dong, Duckjin-Gu, Jeonju, South Korea. Department of Organic Materials and Fibers, College of Engineering,	15-29 JUL 2011
POSTDOCTORAL (Parown Grant Supported by Egyptian Government)	Yamagata University, 4-3-16, Jonan, Yonezawa, 992-8510, Japan. Department of Polymer Science and Engineering, Graduate School of Science and Engineering	1 DEC 2008 – 28 FEB 2009
POSTDOCTORAL (ICS-UNIDO Fellow)	University of Pisa, Pisa 56126, Italy. BIOLAB, Department Chemistry and Industrial Chemistry	1 JUN 2008 – 30 NOV 2008
RESEARCH SCHOLAR	Virginia Commonwealth University, Richmond, Virginia 23284-2006, USA. School of Engineering, Department of Chemical Engineering.	1 NOV 2003 – 22 MAY 2004
RESEARCH SCHOLAR	Virginia Commonwealth University, Richmond, Virginia 23284-2006, USA. College of Humanities & Sciences, Department of Chemistry	22 MAY 2002 - 1 NOV 2003

MEMBERSHIP OF PROFESSIONAL BODIES

Role	Organization	Duration
MEMBER	Egyptian Syndicate of Scientific Professions, Egypt.	1995 – Till now
MEMBER	Saudi Chemical Society, Saudi Arabia	6/2010 – 1/2021
MEMBER	American Chemical Society, USA.	31 JAN 2011 – 30 JAN 2012
MEMBER	American Chemical Society, USA	29 MAR 2013 – 28 MAR 2014

RESEARCH INTERESTS

1. Polymer Synthesis	2. Nanomaterials	3. Electrospinning.	4. Carbon nanofibers
5. Biomedical applications	6. Water treatment.	7. Fuel cells.	

RESEARCH (PUBLICATIONS/CITATIONS DATA)

PUBLICATIONS	In International Refereed Journals (Total)	292		
	Q1	149 (28 in Top 10% + 17 in Top 5%)		
	Q2	102		
	Q3	30		
	Q4	2		
	NA	7		
	Non-ISI	3		
	Patents			
	Published	4		
	Books	2		
Book Chapter	5			
Conference Papers	4			
CITATIONS DATA	Citation Source	Google Scholar	Scopus	Clarivate (ISI)
	Total citations	13,470	11,403	10,557
	h-index	64	61	58
	i10-index	212		
	Total impact Factor			1331.996
	LISTED IN TOP 2 % OF THE MOST-CITED SCIENTISTS in various disciplines (Polymers and Materials), STANFORD UNIVERSITY NAMES WORLD'S TOP 2% SCIENTISTS https://dx.doi.org/10.17632/btchxktzyw	2025, 2024, 2023, 2022, 2021, 2020		
PROJECTS	Current & Running Projects (Submitted)	5		
	Completed Projects Funded by KSU	14		
	Completed Projects External Fund (Outside KSU)	13 (8 From KSA + 5 Outside KSA)		
POSTGRADUATE STUDENTS	Supervision of Postgraduate Students	13 (10 M.Sc. and 3 Ph.D.)		
	Participation in Thesis Committees	34 (27 M.Sc. + 7 Ph.D.)		
ACTIVITIES (MEETINGS)	Conferences	35		
	Workshops	18		
	Training Courses	4		
	Developing Skills' Courses	40		
	Invited Presentations at Scientific Meetings	36		
	Membership of Conference and Workshops Committees	11		
REVIEWER	Journals	> 60		
	Books	4		
	Projects	15		
	Promotion	12		
	Accreditation Files	1		
	Academic Programs	4		
EDITORIAL BOARD	Guest Editor (Polymers (MDPI))	2 Issues (2021 & 2022)		
	Vice Editor-in-Chief; <i>Arabian Journal of Chemistry</i> https://arabjchem.org/editorial-board/	JUN 2024 – Till now		
	Guest Editor (Frontiers in Chemistry)	OCT 2024		

ACADEMIC HONORS AND AWARDS

20) HONORED by King Saud University and Mawhiba, 2025

Vice President of Mawhiba Universal Enrichment Program 2024

19) HONORED by King Saud University and Mawhiba, 2024

Vice President of Mawhiba Universal Enrichment Program 2024

18) HONORED by King Saud University and Mawhiba, 2023

Vice President of Mawhiba Universal Enrichment Program 2023

17) HONORED by “COLLEGE OF SCIENCE”, 2023

Listed in Top 2 % Of the Most-Cited Scientists in various disciplines (Polymers and Materials) done by Stanford University Names World’s Top 2% Scientists. 2023

College of Science, King Saud University, Saudi Arabia.

16) COLLEGE OF SCIENCE AWARD FOR EXCELLENCE IN SCIENTIFIC RESEARCH (2022-2023 G)

College of Science, King Saud University, Saudi Arabia. JUN 2023

15) HONORED by “COLLEGE OF SCIENCE”, 2022

Listed in Top 2 % Of the Most-Cited Scientists in various disciplines (Polymers and Materials) done by Stanford University Names World’s Top 2% Scientists. 2022

College of Science, King Saud University, Saudi Arabia.

14) HONORED by “COLLEGE OF SCIENCE”

Member of the Higher Organizing Committee ICES2023, The International Conference and Exhibition for Science 2023 (ICES2023), Riyadh, Saudi Arabia, 6-8 FEB 2023. ices-ksa.org

College of Science, King Saud University, Saudi Arabia.

13) HONORED by “COLLEGE OF SCIENCE”

Member of the Higher Organizing Committee ICES2023, The International Conference and Exhibition for Science 2023 (ICES2023), Riyadh, Saudi Arabia, 6-8 FEB 2023. ices-ksa.org

College of Science, King Saud University, Saudi Arabia.

12) HONORED by King Saud University and Mawhiba, 18 AUG 2022

Vice President of Mawhiba Universal Enrichment Program 2022.

11) IAAM Scientist Medal, 30 JUN 2022

International Association of Advanced Materials (IAAM), Sweden. www.iaamonline.org

10) HONORED by “COLLEGE OF SCIENCE”, 2021

Listed in Top 2 % Of the Most-Cited Scientists in various disciplines (Polymers and Materials) done by Stanford University Names World’s Top 2% Scientists. 2021

College of Science, King Saud University, Saudi Arabia.

9) HONORED by “COLLEGE OF SCIENCE”, 2022

Scientific Excellence Award for Postgraduate Students at the College of Science (Ph.D. student: Mohamed Abbas).

College of Science, King Saud University, Saudi Arabia.

8) HONORED BY “SAUDI CHEMICAL SOCIETY”, 2022

Participation in the activities of “Arab Week of Chemistry” to give lecture.

Saudi Chemical Society, King Saud University, Saudi Arabia.

7) HONORED by “COLLEGE OF SCIENCE”, 2021

Scientific Excellence Award for Postgraduate Students at the College of Science (Ph.D. student: Badr Thamer).
College of Science, King Saud University, Saudi Arabia.

6) HONORED BY “SAUDI CHEMICAL SOCIETY”, 2018-2019

Participation in the activities of the Association to give lectures and participate in seminars during the academic year 2018 - 2019.

Saudi Chemical Society, King Saud University, Saudi Arabia.

5) HONORED BY “SAUDI CHEMICAL SOCIETY”, 2017-2018

Participation in the activities of the Association to give lectures and participate in seminars during the academic year 2017 - 2018.

Saudi Chemical Society, King Saud University, Saudi Arabia.

4) HONORED BY “GULF CHEMISTS UNION”, 25 APR 2018

Participation in the First Gulf Chemists Symposium (GulfChem 2018), held in Le Meridian Hotel, Al Khobar, Saudi Arabia.

3) HONORED BY “SAUDI CHEMICAL SOCIETY”, 2016-2017

Participation in the activities of the Association to give lectures and participate in seminars during the academic year 2016-2017.

Saudi Chemical Society, King Saud University, Saudi Arabia.

2) KING SAUD UNIVERSITY AWARD FOR SCIENTIFIC EXCELLENCE, 2014-2015

“Research Quality Award: Science and Engineering 1436 H (2015)”, For Academic Year 1435/1436 H.
King Saud University, Saudi Arabia.

1) KING SAUD UNIVERSITY AWARD FOR RESEARCH EXCELLENCE, 31 JAN 2011

"Rector's List for Distinguished Research and Inventors", Distinguished Research Award "7th position 1432 H (2011)", for the academic year 1431-1432 H (2010/2011), 31.

King Saud University, Saudi Arabia

PARTICIPATION IN ACADEMIC ACCREDITATION

5) MEMBER

Committee for The Preparation of Standard (7) - Scientific Research and Innovation, Self-Study Report for Institutional Academic Accreditation Renewal. 26 FEB 2023.

Vice Rectorate for Planning and development, King Saud University, Riyadh, Saudi Arabia.

4) MEMBER

ANNUAL REPORT TEAM. 7 DEC 2017 – 17 AUG 2024.

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

3) COORDINATOR

Academic Accreditation for Master's Program. 27 FEB 2017 -April, 2023.

Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia.

2) MEMBER

Committees for Academic Accreditation. 31 DEC 2020 – SEP 2024

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

1) MEMBER

Committees for Characterization of Academic Programs and Courses and Awareness - Department of Chemistry Quality Assurance Unit at Faculty of Science, Quality Assurance Center, Tanta University, Tanta, Egypt. 2009

UNIVERSITY SERVICE (COMMITTEE MEMBERSHIP)

31) VICE EDITOR-IN-CHIEF

Arabian Journal of Chemistry, Publisher; Scientific Scholar. JUN 2024 – Till now

<https://arabjchem.org/editorial-board/>

30) MEMBER

Committee for Students Affairs. SEP 2024 – Till now

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

29) EXECUTIVE SUPERVISOR

Research and Scientific Publishing Unit- College of Science. 29 AUG 2024 – 28 AUG 2025.

College of Science, King Saud University, Riyadh, Saudi Arabia.

28) CONSULTANT

Dean; College of Science, King Saud University, Riyadh, Saudi Arabia. 2 SEP 2024 – 1 SEP 2025

27) EXECUTIVE SUPERVISOR

The 15TH Scientific Forum for The Students of King Saud University for Research, Innovation and Talent. SEP 2024 – AUG 2025

Deanship of Student Affairs, Vice Rectorate for Educational and Academic Affairs, King Saud University, Riyadh, Saudi Arabia.

26) EXECUTIVE SUPERVISOR

The 14TH Scientific Forum for The Students of King Saud University for Research, Innovation and Talent. SEP 2023 – AUG 2024

Deanship of Student Affairs, Vice Rectorate for Educational and Academic Affairs, King Saud University, Riyadh, Saudi Arabia.

25) CONSULTANT

Dean; College of Science, King Saud University, Riyadh, Saudi Arabia. 28 AUG 2023 – 27 AUG 2024

24) MEMBER

The Scientific Committee; Research Chairs Program. MAR 23 – MAY 31, 2023

Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

23) MEMBER

The Scientific Committee for Institutional Funding Research Groups. JAN 23 – MAY 31, 2023

Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

22) EXECUTIVE SUPERVISOR

The 13TH Scientific Forum for The Students of King Saud University for Research, Innovation and Talent. SEP 2022 – AUG 2023

Deanship of Student Affairs, Vice Rectorate for Educational and Academic Affairs, King Saud University, Riyadh, Saudi Arabia.

21) MEMBER

The Scientific Committee of The International Conference and Exhibition for Science (ICES2023). 25 AUG 2022

College of Science, King Saud University, Riyadh, Saudi Arabia.

20) CONSULTANT

Dean; College of Science, King Saud University, Riyadh, Saudi Arabia. JUN 2022 – JUN 2023

19) MEMBER

Committee for The Shift from Two to Three Semesters. 3 APR 2022

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

18) MEMBER

The Higher Committee of The International Conference and Exhibition for Science (ICES2023). 29 MAR 2022

College of Science, King Saud University, Riyadh 11451, Saudi Arabia.

17) EXECUTIVE SUPERVISOR

The 12TH Scientific Forum for The Students of King Saud University for Research, Innovation and Talent. SEP 2021 – AUG 2022

Deanship of Student Affairs, Vice Rectorate for Educational and Academic Affairs, King Saud University, Riyadh, Saudi Arabia.

16) CONSULTANT

Dean; Deanship of Student Affairs, 2021 – Till now

Vice Rectorate for Educational and Academic Affairs, King Saud University, Riyadh, Saudi Arabia.

15) COORDINATOR

Applied Training Program at Male Section. 2020 – 2021

Deanship of Student Affairs, King Saud University, Riyadh, Saudi Arabia <http://dsp.ksu.edu.sa/ar>

14) CONSULTANT

Vice Deanship of Graduate Studies & Academic Research. 31 DEC 2020 – 30 DEC 2021.

College of Science, King Saud University, Riyadh, Saudi Arabia. KSU Distinguished and Talented Students Program

13) ACADEMIC COORDINATOR OFFICER_DSP-KSU

Deanship of Student Affairs, Vice Rectorate for Educational and Academic Affairs, 10 OCT 2018 – 30 AUG 2021

King Saud University, Riyadh, Saudi Arabia. <http://dsp.ksu.edu.sa/ar>

12) MEMBER

Committee for The Laboratories the College of Science. 12 DEC 2019 – 29 NOV 2020

College of Science, King Saud University, Riyadh, Saudi Arabia.

11) MEMBER

Committee for The Specialized Training for Technicians at The College of Science. 11 NOV 2019 – 10 NOV 2020

College of Science, King Saud University, Riyadh, Saudi Arabia

10) MEMBER

Committee for Graduate Studies and Scientific Research. 28 OCT 2018 – Till now

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

9) MEMBER

Committee for The Preparation of Research Chairs Workshop - Female Section. 26 APR 2018 – Till now.

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia

8) MEMBER

Executive Committee for The Establishment of An Inter-Disciplinary Program at The College of Science for The Bachelor's Degree in Applied Chemistry. MAR 2018 – Till now.

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

7) MEMBER

Committee of Service Courses. 22 FEB 2018 – SEP 2024

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

6) CONSULTANT

Vice Deanship for Educational and Academic Affairs, 1 NOV 2017 – 31 OCT 2018

College of Science, King Saud University, Riyadh, Saudi Arabia.

5) MEMBER

Committee for Study Plan and Learning Resources. SEP 2017 – Till now.

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

4) DSP ACADEMIC COORDINATORS - COLLEGE OF SCIENCE

KSU Distinguished and Talented Students Program, 13 JUN 2017 – 12 JUN 2018

College of Science, King Saud University, Riyadh, Saudi Arabia.

3) MEMBER

Committees for Revision of CHEM 145, Introduction to Organic Chemistry - For Health Students Program. 20-26 MAR 2017

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

2) MEMBER

Committee of Master of Polymer Science. 8 MAY 2012 – Till now

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

1) FOUNDING MEMBER

Petrochemical Research Chair's laboratories, Chemistry, APR 2009 – 2015

Department, College of Science, King Saud University, Riyadh, Saudi Arabia.

TEACHING (SUMMARY OF COURSES TAUGHT)

POSTGRADUATE STUDENTS

CHEM 564 (*Synthesis of Polymers*), (M.Sc. Polymer)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia

CHEM 563 (*Biopolymers*), (M.Sc. Polymer)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia

CHEM 561 (*Fundamentals of Polymer Science*), (M.Sc. Polymer)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia

CHEM 574 (*Preparation and Characterization of Polymers*), (M.Sc. Polymer); (*Practical*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia

CHEM 542 (*Selected Topics in Organic Chemistry*), (M.Sc. Chemistry)

BACHELOR STUDENTS (B.SC.)

CHEM 499 (*Research Project*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 445 (*Chemistry of Natural Products*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 443 (*Chemistry of Natural Products*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 442 (*Organic Industries*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 346 (CHEM 342) (*Polymer & Petrochemicals*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 344 (*Organic Reaction Mechanism*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 340 (CHEM 241) (*Fundamentals of Organic Chemistry (2)*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 244 (CHEM 240) (*Fundamentals of Organic Chemistry (I)*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 145 (CHEM 109) (*Introduction to Organic Chemistry*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 108 (*Introduction to Organic Chemistry*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
CHEM 101 (*General Chemistry*)

Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
Biochemistry

7th of April University, Faculty of Medicine and Public Health-Al-Jomail, Azzawia, Libya

Natural Products for 3rd year Botany students

Faculty of Science, Tanta University, Tanta, Egypt

Fundamentals of Organic Chemistry for the 1st year students.

Faculty of Science, Tanta University, Tanta, Egypt

General Chemistry Lab for the 1st year students

Advanced Practical Organic Chemistry for the 4th year students

General Chemistry Lab for the Preparatory year students

Faculty of Engineering, Tanta University, Tanta, Egypt

Practical Organic Chemistry for the Preparatory year students

Faculty of Dentistry, Tanta University, Tanta, Egypt

Practical Organic Chemistry for the 2nd year students

Faculty of Science and Faculty of Education, Tanta University, Tanta, Egypt.

Practical Organic Chemistry for the 3rd year students

Faculty of Science and Faculty of Education, Tanta University, Tanta, Egypt.

RESEARCH (STUDENTS SUPERVISED/TRAINED)

13) Faiz Alaizary

Ph.D. (Organic Chemistry). FEB 2024

Thesis Title: Surface Modification Characterization and Synergistic effect study of Ethylene-Vinyl Alcohol Copolymer for Environmental Applications

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy, Prof. Abdullah Alenizi.

12) Ali Alharbi

Master's degree in Chemistry, MAY 2021

Thesis Title: Preparation and characterization of some copolymers based on maleic anhydride and their applications in water treatment

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Nabil Alzeqri, **Prof. Mohamed El-Newehy**, Dr. Hany EL-Hamshary

11) Khawla Mansour Alhamazani

Master's degree in Chemistry, MAY 2021-2024

Thesis Title: Preparation and characterization of some copolymers based on chloroethyl vinyl ether and their applications in water treatment

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy, Dr. Hany EL-Hamshary, Dr. Seham Alterary

10) Anas Saleh Taman

B.Sc. (Organic Chemistry), 2018 – 2019

Thesis Title: Fabrication of electrospun nanofibers based on polyacrylonitrile blends and their applications in dye removal

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy (PI)

9) Badr Mohamed Thamer

Ph.D. (Organic Chemistry), MAY 2017

Thesis Title: Synthesis of electrospun carbon nanofibers containing organic functional groups for water treatment

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy, Dr. Ali Aldalbahi.

8) Mohamed Abbas Alabedrab Alnaby

Master's degree in Polymer Science. MAY 2016

Thesis Title: Fabrication, characterization and catalytic application of electrospun polymer-metallic nanofibers in fuel cells

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy, Dr. Abdullah Alenizi

7) A. Meera Moydeen

Ph.D. (Organic Chemistry), JAN 1, 2016 – 2021

Thesis Title: Fabrication, characterization and pharmaceutical applications of some electrospun nanofibers

Department of Chemistry, Jamal Mohamed College (Autonomous), Bharathidasan University, India

(www.bdu.ac.in).

Dr. M. Syed Ali Padusha, Prof. Mohamed El-Newehy

6) Badr Mohamed Thamer

Master's degree in Polymer Science. DEC 2012

Thesis Title: Synthesis and characterization of effective electrodes for the advanced energy devices based on polymeric electrospun nanofibers

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, **Dr. Mohamed El-Newehy**

5) Abdel-Megeed Al-Hakbany

Master's degree in Polymer Science. APR 2012

Thesis Title: Preparation of ion exchangers and adsorbents for wastewater treatment through recycling of palm tree cellulosic wastes

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Essam Abdel-Halim, **Dr. Mohamed El-Newehy**

4) Ali Alfify

Master's degree in Polymer Science. APR 2012

Thesis Title: Microwave-assisted graft copolymerization of amino acid-based monomers onto starch and their use as drug carrier

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Mohamed El-Newehy, Dr. Essam Abdel-Halim

3) Saleh Alotaiby

Master's degree in Polymer Science. JAN 2013

Thesis Title: Preparation and characterization of electrospun nanofibers based on cellulose derivatives and their use as drug carrier

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Mohamed El-Newehy, Prof. Salem Al-Deyab, Prof. Hak Yong Kim

2) Abdullah Ali Alamri

Master's degree in Polymer Science. 2010 – 2012

Thesis Title: Synthesis and characterization of amine-terminated polymers and their use as carriers for antimicrobial agents

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Mohamed El-Newehy, Prof. Salem Al-Deyab, Prof. Hak Yong Kim

1) Sameh Mohamed Osman

Master's degree in Polymer Science. 2010 – 2011

Thesis Title: Microwave-assisted synthesis and characterization of some co-polymers based on itaconic anhydride

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, **Dr. Mohamed El-Newehy**

PARTICIPATION IN THESIS AND ORAL EXAMINATION COMMITTEES

34) Rayana Bint Ibrahim ALkhalifa

Master's degree in Chemistry, JUN 2024

Thesis Title: Synthesis and characterization of a new hydrogel nanocomposites for adsorption applications
Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Abdullah Alenizi, Dr. Khloud Dahlous, **Prof. Mohamed El-Newehy**, Dr. Tahany Almutairy, Dr. Eman Aldossar

33) Khawla Mansour Alhamazani

Master's degree in Chemistry, JUN 2024

Thesis Title: Preparation and characterization of some copolymers based on chloroethyl vinyl ether and their applications in water treatment

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy, Dr. Seham Alterary, Prof. Ali Aldalbahi, Prof. Abdullah Alenizi, Dr. Shaza Alaqeel

32) Khwater Mishaal Radi Alanzi

Master's degree in Chemistry. APR 2024

Thesis Title: Development of biopolymer-based nanocomposites with special reference to sensing application

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Ali Aldalbahi, Dr. Muneera Al-Sheikh, **Prof. Mohamed El-Newehy**, Prof. Saad Abdulmuhsen, Dr. Noura Alhoqbany

31) Amira Mutlaq Alotaibi

Master's degree in Chemistry. OCT 2023

Thesis Title: Construction of metal organic semiconductors based on tetracyanoquinodimethane derivatives for utilization in selected environmental applications

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Razan Alsheqary, **Prof. Mohamed El-Newehy**, Dr. Muneerah Alboqamy

30) Nouf Bashir Alenizi

Master's degree in Chemistry. OCT 2023

Thesis Title: Preparation of porous materials derived from waste polyethylene terephthalate plastic for water treatment applications

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Abdullah Alenizi, Dr. Tahani Almutairy, Prof. Zeid AlOthman, **Prof. Mohamed El-Newehy**, Dr. Seham Alterary

29) Zainab Mohamed Alaaqel

Master's degree in Chemistry. 22 AUG 2023

Thesis Title: Synthesis and characterization of porphyrins and their applications in water treatment

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Tahani Almutairy, **Prof. Mohamed El-Newehy**, Dr. Hessa AlBahly

28) Afra Saif Ali Saif Alhumaidi

Master's degree in Chemistry. JUN 2023

Thesis Title: Fog harvesting using chemically functionalized porous membranes

Department of Chemistry, College of Medicine and Health Sciences, United Arab Emirates University, UAE.

Prof. Yaser E. Greish, Dr. Mohammad Khasawneh,, **Prof. Mohamed El-Newehy**

27) Hawra Abdulkarim Ali Bukhamsin

Master's degree in Chemistry, MAY 2023

Thesis Title: Synthesis and applications of nano catalysts from some transition metal oxides
Department of Chemistry, College of Science, King Faisal University, Saudi Arabia.
Prof. Hassan Mahmoud, **Prof. Mohamed El-Newehy**

26) Leena Alkaabi

Ph.D. degree in Engineering, APR 2023

Thesis Title: Development of bone-like nano hydroxyapatite-chitosan composites for an enhanced bone fixation
Department of Biomedical Engineering, College of Engineering, Khalifa University, UAE.
Prof. Mohamed El-Newehy, Prof. Basim Abu-Jdayil (UAE University), Prof. Vincent Chan (Khalifa University).

25) Mariam Azzam Alanazi

Master's degree in Chemistry, DEC 2022

Thesis Title: Green synthesis and biological studies of some new pyrimidine and thiazolidinone derivatives bearing quinoxaline moiety
Department of Chemistry, College Department of Chemistry, College of Science, Jouf University, Saudi Arabia.
Dr. Nadia Alkanzi, Dr. Mohamed Alassar, **Prof. Mohamed El-Newehy**

24) A. Ahmed Raza

Ph.D. (Organic Chemistry), AUG-SEP 2022

Thesis Title: Synthesis of functionalized covalent triazine polymers for catalytic organic transformations
Centre for Research, Thiruvalluvar University, Vellore Tamilnadu, India.
Dr. A.K. Ibrahim Sheriff, **Prof. Mohamed El-Newehy**

23) Saeed Abdullah Al Shahrani

Ph.D. (Organic Chemistry), JUN 2022

Thesis Title: Synthesis of novel classes of spiro benzimidazole as potential anti-cancer agents
Department of Chemistry, College of Science, King Saud University, Saudi Arabia.
Prof. Assem Barakat, Prof. Abdullah Al-Majid, Prof. Hamad Alkathlan, **Prof. Mohamed El-Newehy**, Prof. Magdy Zaki

22) Raya Mohnna Alyabes

Master's degree in Chemistry, MAR 2022

Thesis Title: Synthesis, characterization and evaluation of polyamide as reverse osmosis (ro) membrane
Department of Chemistry, College of Science, King Saud University, Saudi Arabia.
Dr. Seham S. Alterary, Dr. Ahmed A. Alshaharani, **Prof. Mohamed El-Newehy**, Dr. Abdullah Alenzi, Dr. Abeer M. Beagan

21) Azzah Talal Aqeel Al-Enezi

Master's degree in Chemistry, FEB 2022

Thesis Title: Synthesis and characterization of some alternative petroleum products using renewable sources
Department of Chemistry, College of Science, Jouf University, Saudi Arabia.
Dr. Modather Hussein, Dr. Mohamed Alassar, **Prof. Mohamed El-Newehy**

20) Hamoud Abdullah Altaieb

Ph.D. (Organic Chemistry), MAY 2021

Thesis Title: Synthesis and characterization of New Types of Acrylonitrile-Based Copolymers and Their Applications in Water Treatment
Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Abdullah Alenizi, Dr. Sayed Zaki, Prof. Salem Aldeyab, **Prof. Mohamed El-Newehy**, Dr. Basher Ayad Alshammari

19) Abdulaziz Hamed Alrahily

Master's degree in Polymer Science. MAR 2021

Thesis Title: Synthesis and characterization of conducting polymer-mesoporous titania nanocomposite for removal of water contaminants

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. A. Aldalbahi, **Prof. Mohamed El-Newehy**, Dr. M. Habila

18) Mohamed Abbas Alabedrab Alnaby

Master's degree in Polymer Science. MAR 2021

Thesis Title: Fabrication, characterization and catalytic application of electrospun polymer-metallic nanofibers in fuel cells

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy, Dr. Abdullah Alenizi, Prof. Ayman Nafady, Dr. Hany El-Hamshary, Dr. A. Aldalbahi

17) Bandr Sakr Alotaibi

Ph.D. (Organic Chemistry), OCT 2020

Thesis Title: Comparative and characterization of impact copolymer polypropylene ICP blends with novel synthesized flame retardant

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Ali Aldalbahi, Prof. Ayman El-Faham, Prof. Saad Alshehry, **Prof. Mohamed El-Newehy**, Dr. Mohamed Almeagly.

16) Badr Mohamed Thamer

Ph.D. (Organic Chemistry), APR 2020

Thesis Title: Synthesis of electrospun carbon nanofibers containing organic functional groups for water treatment

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Mohamed El-Newehy (PI), Dr. Ali Aldalbahi, Prof. Ayman Atta, Dr. Tarek Altalhy, Dr. Abdullah Alenizi.

15) Fatimah Ali Abdullah Alhajj

Master's degree in Chemistry. MAR 2020

Thesis Title: Nickel ferrite nanoparticles: synthesis, characterization and its electrocatalytic applications

Department of Chemistry, College of Science, King Faisal University, Saudi Arabia.

Dr. Hany Mohamed Abd El-Lateef, **Prof. Mohamed El-Newehy**, Dr. Arwa Abdulrahman Alaulamie

14) Khalid Alrahily

Master's degree in Polymer Science. JAN 20, 2020

Thesis Title: Synthesis, characterization and assessment of phosphorous coated fertilizers efficiency with superabsorbent polymers

Department of Soil Science, College of Food and Agriculture Sciences, King Saud University, Saudi Arabia.

Prof. Abdullah Almedaish, Dr. Hany El-Hamshary, Prof. Saud Aloud, **Prof. Mohamed El-Newehy**, Dr. Abdulrahman Almadiny.

13) Mohamed Alaklaby

Master's degree in Polymer Science. DEC 2020

Thesis Title: Synthesis and characterization of some polymer supported metallic and metal oxides nanoparticles and their application in water decontamination

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Hany El-Hamshary, Prof. Salem Al-Deyab, **Prof. Mohamed El-Newehy**, Dr. Abdullah Alenizi, Dr. Nasser Alharbi.

12) Mohamoud Saeed Abdullah

Ph.D. (Organic Chemistry), DEC 2018

Thesis Title: Synthesis of some polymeric ionic liquids as new effective surfactants and their applications in petroleum industry

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Hamad Allohidan, Prof. Ayman Atta, Prof. Elsayed Sherif, Prof. Abdulrahman Alqurashi, **Prof. Mohamed El-Newehy**

11) Musaad Alsahly

Master's degree in Polymer Science. NOV 2020

Thesis Title: Preparation and characterization of polymer montmorillonite nanocomposites as drug delivery system

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Hany El-Hamshary, Prof. Salem Al-Deyab, **Prof. Mohamed El-Newehy**, Dr. Ali Aldalbahi, Dr. Bander Alfarhood

10) Ali Qassem Al-Anbari

Master of Environmental Sciences. DEC 28, 2014

Thesis Title: Bio-nano-particles for the remediation of selected pesticides residues in Riyadh area

Department of Botany and Microbiology, College of Science, King Saud University, Saudi Arabia

Dr. Ahmed Abdel-Fattah, **Dr. Mohamed El-Newehy**

9) Badr Mohamed Thamer

Master's degree in Polymer Science. MAY 2014

Thesis Title: Synthesis and characterization of effective electrodes for the advanced energy devices based on polymeric electrospun nanofibers

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, **Dr. Mohamed El-Newehy**

8) Abdel-Megeed Al-Hakbany

Master's degree in Polymer Science. DEC 2013

Thesis Title: Preparation of ion exchangers and adsorbents for wastewater treatment through recycling of palm tree cellulosic wastes

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Essam Abdel-Halim, **Dr. Mohamed El-Newehy**

7) Hamud Abdullah Altaieb

Master's degree in Polymer Science. MAY 2013

Thesis Title: R/D of activated carbon nanofibers from electrospun polyacrylonitrile bundles and its application in water purification

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, Prof. Khalil Abdrazek, **Dr. Mohamed El-Newehy**

6) Ali Alfifi

Master's degree in Polymer Science. APR 2013

Thesis Title: Microwave-assisted graft copolymerization of amino acid-based monomers onto starch and their use as drug carrier

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Mohamed El-Newehy, Dr. Essam Abdel-Halim

5) Saleh Alotaiby

Master's degree in Polymer Science. JAN 2013

Thesis Title: Preparation and characterization of electrospun nanofibers based on cellulose derivatives and their use as drug carrier

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Mohamed El-Newehy, Prof. Salem Al-Deyab, Prof. Hak Yong Kim

4) Abdullah Ali Alamri

Master's degree in Polymer Science. JUN 2012

Thesis Title: Synthesis and characterization of amine-terminated polymers and their use as carriers for antimicrobial agents

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Dr. Mohamed El-Newehy, Prof. Salem Al-Deyab, Prof. Hak Yong Kim

3) Khalid Eidan Ali Aleidan

Master's degree in Polymer Science. JAN 2012

Thesis Title: Oxidative dehydrogenation of ethylbenzene to styrene as monomer for polystyrene

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, Dr. Mohamed Alhazmy, Dr. Hany El-Hamshary, **Dr. Mohamed El-Newehy**

2) Sameh Mohamed Osman

Master's degree in Polymer Science. JUN 2011

Thesis Title: Microwave-assisted synthesis and characterization of some co-polymers based on itaconic anhydride

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, **Dr. Mohamed El-Newehy**

1) Akram Ahmed Al-Mousa

Master's degree in Polymer Science. MAY 2011

Thesis Title: Preparation and characterization of antimicrobial wound dressing

Department of Chemistry, College of Science, King Saud University, Saudi Arabia.

Prof. Salem Al-Deyab, Dr. Ahmed Abdel-Fattah, **Dr. Mohamed El-Newehy**

RESEARCH GRANTS

COMPLETED & FINISHED PROJECTS (Funded By KSU)

12. **Role:** Postdoctoral. FEB, 2019 – 2021

Project #: 14-NAN2221-02.

Title: High strength nanofiber composite via supersonic nanoblowing for ground and aviation vehicles.

- Funding Agent:** The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
(*PI: Dr. Ali Aldalbahi, King Saud University, Saudi Arabia; Joint Project with Prof. Suk Goo Yoon, Korea University, Seoul, South Korea*).
11. **Role:** **Co-Investigator (Co-I)**. OCT 2017 – JUL 2021
Title: Multi scale bioactive scaffolds for bone regeneration.
Funding Agent: Int. Coop and Scientific Twinning Department, King Saud University, Saudi Arabia.
(*PI: Prof Salem Al-Deyab; King Saud University, Saudi Arabia; Joint Project with University of Manchester, Manchester, United Kingdom*).
10. **Role:** **Co-Investigator (Co-I)**. APR, 2014 – 2015
Project #: REG14-25.
Title: Functional nanofibrous materials.
Funding Agent: Deanship of Scientific Research – International Research Groups Program, King Saud University, Saudi Arabia.
(*PI: Prof. Salem Al-Deyab, King Saud University, Saudi Arabia; Joint Project with Prof. Bin Ding, Donghua University, Shanghai, China*).
9. **Role:** **Principal Investigator (PI)**. FEB 1, 2014 – JUL 31, 2016
Project #: 11-ENE1917-02.
Title: Development and commercialization of fuel cells based on industrial and sewage waters using nanotechnological approach.
Funding Agent: The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
(*King Saud University, Saudi Arabia; Joint Project with Chonbuk National University, Jeonju, Republic of Korea*).
8. **Role:** **Co-Investigator (Co-I)**. FEB 1, 2014 – JUL 31, 2016
Project #: 11-NAN1915-02.
Title: Preparation of super performance continuous carbon filaments for aircraft and automobile parts.
Funding Agent: The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
(*PI: Prof. Salem Al-Deyab, King Saud University, Saudi Arabia; Joint Project with Chonbuk National University, Jeonju, Republic of Korea*).
7. **Role:** **Principal Investigator (PI)**. SEP 25, 2014 – 2015
Project #: REG-021.
Title: Polymers & nanofibers and their applications.
Funding Agent: Deanship of Scientific Research - Research Groups Program, King Saud University, Saudi Arabia.
6. **Role:** **Co-Investigator (Co-I)**. JUL 1, 2013 – DEC 31, 2015
Project #: 12-NAN2541-02.
Title: Fabrication of electrospun bio-nanofibers for oil spill leakage treatment in the eastern coast of Saudi Arabia.
Funding Agent: The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
(*PI: Dr. Ahmed Abdel-Megeed, King Saud University, Saudi Arabia*).
5. **Role:** **Principal Investigator (PI)**. FEB 1, 2012 – 2014
Project #: 11-ENE1721-02.
Title: Non-precious metallic nanofibers as novel, cheap and effective electrodes for scaling up fuel cells manufacturing technology.
-

Funding Agent: The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
(*King Saud University, Saudi Arabia; Joint Project with Chonbuk National University, Jeonju, Republic of Korea*).

4. Role: **Co-Investigator (Co-I)**. JUL 1, 2011 – 2013

Project #: 10-NAN1013-02.

Title: Bio-active nanofibers via electrospinning.

Funding Agent: The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
(*PI: Prof. Salem Al-Deyab, King Saud University, Saudi Arabia; Joint Project with Donghua University, Shanghai, China*).

3. Role: **Principal Investigator (PI)**. APR 1, 2011 – 2012

Project #: REG-VPP-021.

Title: Preparation of Polymers and Electrospun Nanofibers.

Funding Agent: Deanship of Scientific Research – Research Groups Program, King Saud University, Saudi Arabia.

2. Role: **Co-Investigator (Co-I)**. JUN, 2010 – 2012

Title: Preparation and biomedical application for spider-net structures with nylon 6 and chitosan via electrospinning technology.

Funding Agent: Visiting Professor Program (VPP), Deanship of Scientific Research, King Saud University, Saudi Arabia.

(*Joint project with Chonbuk National University, South Korea; Prof. Hak Yong Kim*).

1. Role: **Co-Investigator (Co-I)**. JUN, 2010 – 2012

Title: Scaffolds for human osteoblast cell culture using spider-net structured with nylon 6 and lecithin via electrospinning method.

Funding Agent: Visiting Professor Program (VPP), Deanship of Scientific Research, King Saud University, Saudi Arabia.

(*Joint project with Chonbuk National University, South Korea; Prof. Hak Yong Kim*).

COMPLETED & FINISHED PROJECTS (External Fund (Outside KSU))

14. Role: **Co-Investigator (Co-I)**. JUL 2021

Project #:

Title: Novel Designing and Fabrication of Self-Cleaning Medical Clothes with Multi- Protective Layers for Prevention of Covid-19 Transmission.

Funding Agent: UAEU-AUA Joint-Research Proposal 2020.

(*PI: Dr. Yaser E. Greish, Department of Chemistry, College of Science, UAEU*).

13. Role: **Consultant**. DEC, 2019 – 2021

Project #: ISP20-22.

Title: High efficient and novel nanoarchitected hybrids materials for water desalination using capacitive deionization.

Funding Agent: Research Groups Program, Institutional Funding Program for Research and Innovation, Deanship of Scientific Research, Jazan University, Saudi Arabia.

(*PI: Dr. Nasser Zouli, College of Engineering, Jazan University, Jazan, Saudi Arabia*).

12. Role: **Consultant**. DEC, 2019 – 2020

Project #: IFPHI-043-662-2020.

- Title:** Fabrication of environmentally biocidal nanofibers loaded with the synthesized plant-mediated silver nanoparticles.
- Funding Agent:** Institutional Fund Projects, Ministry of Education and King Abdulaziz University, DSR, Jeddah, Saudi Arabia.
- (PI: Dr. Mohamed El-Hefnawy, College of Arts and Science, King Abdulaziz University, Rabgh, Saudi Arabia).*
- 11. Role:** Co-Investigator (Co-I). MAR, 2018 – 2020
- Title:** Synthesis of supported catalysts based on Schiff base transition metal complexes and their applications in olefin polymerization.
- Funding Agent:** SABIC, Riyadh, Saudi Arabia.
- (PI: Dr. Hany El-Hamshary, King Saud University, Saudi Arabia).*
- 10. Role:** Co-Investigator (Co-I). 2019 – 2021
- Project #:** 13-PET175-03.
- Title:** Development of new ambient ionization techniques coupled with high resolution mass spectrometer to detect and analyze asphaltene in petroleum pipelines and reservoirs.
- Funding Agent:** The National Plan for Sciences & Technology (NPST), King Abdul-Aziz University, Saudi Arabia.
- (PI: Dr. Aly Esmaeel, College of Arts and Science, King Abdulaziz University, Rabgh, Saudi Arabia).*
- 9. Role:** Co-Investigator (Co-I). SEP 2016 – APR 2018
- Project #:** 37-S-188.
- Title:** New technology for improving phosphorus use efficiency using polymer coated fertilizer.
- Funding Agent:** Princess Noura Bint Abulrahman University, Riyadh, Saudi Arabia.
- (PI: Dr. Azza Ibarhim Ebid, Princess Noura Bint Abdulrahman University, Saudi Arabia).*
- 8. Role:** Consultant. SEP 1, 2014 – 2016
- Title:** Preparation and selective modification of some clay-polymer nanocomposites and their potential applications for wastewater treatment.
- Project #:** 11-NAN2029-03.
- Funding Agent:** The National Plan for Sciences & Technology (NPST), King Saud University, Saudi Arabia.
- (PI: Dr. Abeer Elsherbiny, College of Arts and Science, King Abdulaziz University, Rabgh, Saudi Arabia).*
- 7. Role:** Co-Investigator (Co-I). FEB 27, 2011 – JUN 5, 2012
- Project #:** AT-11-0564.
- Title:** Synthesis and characterization of amine-terminated polymers and their use as carriers for antimicrobial agents.
- Funding Agent:** King Abdul-Aziz City for Science and Technology (KACST), Saudi Arabia.
- (Master Thesis in Polymer Science, King Saud University; Abdullah Ali Alamri, King Saud University, Saudi Arabia).*
- 6. Role:** Co-Investigator (Co-I). 2012 – 2013
- Project #:** AT-12-0667.
- Title:** Microwave-assisted graft copolymerization of amino acid-based monomers onto starch and their use as drug carrier.
- Funding Agent:** King Abdul-Aziz City for Science and Technology (KACST), Saudi Arabia.
- (Master Thesis in Polymer Science, King Saud University; Ali Alfifi, King Saud University, Saudi Arabia).*
- 5. Role:** Co-Investigator (Co-I). 2010 – 2011

Project #: Chem/2010/12.

Title: Chemical modification of chitosan for water treatment.

Funding Agent: College of Science Research Center, King Saud University, Saudi Arabia.

(PI: Prof. El-Refaie Kenawy, King Saud University, Saudi Arabia).

4. Role: Investigator. 2008 – 2010

Title: Synthesis and applications of antimicrobial polymers for various applications.

Funding Agent: Tanta University, Egypt.

(PI: Prof. El-Refaie Kenawy, Tanta University, Egypt).

3. Role: Assistant Investigator. NOV 1, 2003 – MAY 22, 2004

Title: Monomer synthesis, polymer synthesis, and polymer materials characterization for implantable biosensors.

Funding Agent: Virginia Commonwealth University, Richmond, VA, USA.

(Prof. Gary Wnek, Virginia Commonwealth University, USA).

2. Role: Assistant Investigator. MAY 22, 2002 – NOV 1, 2003

Title: Synthesis and characterization of new compounds and polymers.

Funding Agent: Virginia Commonwealth University, Richmond, VA, USA.

(Prof. Raphael Ottenbrite, Virginia Commonwealth University, USA).

1. Role: Assistant Investigator. 1997 – 1999

Title: Control of bilharzia through the use of controlled-release molluscicides: development, laboratory and small field application.

Funding Agent: Tanta University, Tanta, Egypt.

(PI: Prof. Mohamed Hassan Mona, Tanta University, Egypt).

DEVELOPING SKILLS' COURSES

40) Open Book Exams

(Teaching and Learning), 20/11/2024, (5 h training)

Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.

39) Questionnaire and Benchmarking

(Quality and Academic Accreditation), 30/11/2023, (5 h training)

ZOOM, Deanship of Skills Development Halls, King Saud University, Saudi Arabia

38) Measuring learning outcomes for postgraduate programs

(Quality and Academic Accreditation), 31/5–1/6/2022, (6 h training)

ZOOM, Deanship of Skills Development Halls, King Saud University, Saudi Arabia

37) Drafting and assessment of the course learning outcomes

(Quality and Academic Accreditation), 2/3/2022, (3 h training)

ZOOM, Deanship of Skills Development Halls, King Saud University, Saudi Arabia

36) Authorship and Publishing Book

(Scientific Research), 17/2/2022, (3 h training)

ZOOM, Deanship of Skills Development Halls, King Saud University, Saudi Arabia

35) Fun education with practice

(Teaching and Learning), 31/1-1/2/2022, (8 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

34) Fundamentals of International Cooperation in Research

(Scientific Research), 24/1/2022, (4 h training)

ZOOM, Deanship of Skills Development Halls, King Saud University, Saudi Arabia.

33) Learning Theories

(Professional Certificate in University Teaching), 22/2/2018, (5 h. training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

32) Work Stress Management

(Leadership and Management), 10/1/2018, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

31) Supporting Students Learning

(Professional Certificate in University Teaching), 7/1/2018, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

30) Fundamentals of Information Security

(Educational Technology), 2/1/2018, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

29) Course Specification and Report

(Quality and Academic Accreditation), 24*25/12/2017, (10 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

28) Patent Constituents and Determinants

(Scientific Research), 18/12/2017, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

27) Using Modern Instruction Strategies

(Leadership and Management), 14/12/2017, (3 h training)

Department of chemistry & Deanship of Skills Development Halls, King Saud University, Saudi Arabia

26) Effective Meetings Management

(Leadership and Management), 13/12/2017, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

25) Program Specification and Report

(Quality and Academic Accreditation), 10-11/12/2017, (10 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

24) Social Responsibility

(Leadership and Management), 7/12/2017, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

23) Web of Science Certification Program

(Scientific Research), 29-30/11/2017, (8 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

22) Time Management Skills

(Leadership and Management), 16/11/2017, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

21) Courses Report

(Leadership and Management), 13/11/2017, (3 h training)

Department of chemistry & Deanship of Skills Development Halls, King Saud University, Saudi Arabia

20) Methods of Learning Outcomes Assessment

(Leadership and Management), 8/11/2017, (3 h training)

Department of chemistry & Deanship of Skills Development Halls, King Saud University, Saudi Arabia

19) Developing and Managing Team Work

(Leadership and Management), 5/11/2017, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

18) Mobile Learning

(Educational Technology), 30/10/2017, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

17) Research Team Management

(Scientific Research), 5-6/7/2017, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

16) Quality Standards in Teaching

(Teaching and Learning), 20-22/6/2017, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

15) Course Design and Construction

(Professional Certificate in University Teaching), 17-18/4/2016, (10 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

14) References Management Software by EndNote

(Scientific Research), 7-8/12/2014, (10 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

13) Thinking and Teaching

(Teaching and Learning), 17/12/2014, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

12) Smart Classrooms

(Educational Technology), 19/11/2014, (5 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

11) Scientific Publishing in International Periodicals

(Scientific Research), 16-17/17/2014, (10 h training)

Deanship of Skills Development Halls, King Saud University, Saudi Arabia

10) Management of Time and Meetings

(Leadership and Management), 16-18/7/2013, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

9) Management of Research Team

(Scientific Research), 9-11/7/2013, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

8) Legal and Financial Aspects in University Environment

(Leadership and Management), 2-4/3/2008, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

7) Credit Hours System

(Teaching and Learning), 21-23/10/2007, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

6) Active Communication

(Leadership and Management), 21-25/6/2005, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

5) New Trends in Teaching-Use of Technology in Teaching

(Educational Technology), 6-9/6/2005, (15 h training)

The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Tanta, Egypt

4) 2nd Computer Training for Graduate Students

(Educational Technology), 7/2004

University Information Network, Faculty of Commerce, Tanta University, Tanta, Egypt

3) Internet

(Educational Technology), 4/2000

University Information Network, Faculty of Commerce, Tanta University, Tanta, Egypt

2) 1st Computer Training for Graduate Students

(Educational Technology), 1/2000

University Information Network, Faculty of Commerce, Tanta University, Tanta, Egypt

1) Preparation of Faculty Members

(Teaching and Learning), 7/1999

Faculty of Education, Tanta University, Tanta, Egypt

PARTICIPATION IN REGIONAL & INTERNATIONAL CONFERENCES

35. **Title:** International conference and exhibition for science (ICES2023).

Place: Riyadh, Saudi Arabia. FEB 6-8, 2023

Organizer: College of Science, King Saud University, Riyadh, Saudi Arabia. <https://www.ices-ksa.org>

34. **Title:** European Advanced Materials Congress (EAMC).

Place: Genoa, Italy (online). JUN 25-JUL 2, 2022

Organizer: International Association of Advanced Materials. <https://www.iaamonline.org>

33. **Title:** 7th International Chemistry Conference (7th ICC).

Place: King Saud University, Riyadh, Saudi Arabia. NOV 12-14, 2018

Organizer: Saudi Chemical Society and Department of Chemistry, King Saud University.

32. **Title:** Sixth International Chemistry Conference (6th ICC) "New Trends in Chemistry".

Place: King Saud University, Riyadh, Saudi Arabia. NOV 8-10, 2016

Organizer: Saudi Chemical Society and Department of Chemistry, King Saud University.

31. **Title:** 1st International Conference on Applied Chemistry - ICAC 2015"

- Place:** King Faisal Convention Center - King Abdul-Aziz University, Jeddah, Saudi Arabia. NOV 18-19, 2015
Organizer: Department of Chemistry, King Abdul-Aziz University.
30. **Title:** The 2nd Saudi International Conference on Scientific Publishing 2015
Place: King Saud University, Riyadh, Saudi Arabia. OC 11-13, 2015
Organizer: Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.
29. **Title:** 2015 International Conference on Chemical, Metallurgy and Environmental Engineering (CMAEE-15)
Place: Istanbul, Turkey. JUN 3-4, 2015
Organizer: IICBE Int'l Conference.
28. **Title:** ICCPE 2015: XIII International Conference on Chemical and Process Engineering.
Place: London, United Kingdom. JAN 19-20, 2015
Organizer: IICBE Int'l Conference.
27. **Title:** The 3rd Saudi International Nanotechnology Conference 2014.
Place: KACST Headquarters-Conference Hall –Building 36, King Abdullah Road, Riyadh, Saudi Arabia. DEC 1-3, 2014
Organizer: King Abdul-Aziz City for Science and Technology.
26. **Title:** Symposium on Innovative Polymers for Controlled Delivery (SIPCD 2014).
Place: Grand Hotel, Suzhou, China. SEP 16-19, 2014
Organizer: Biomedical Polymers Laboratory, Soochow University
25. **Title:** Fifth International Chemistry Conference (5th ICC) “Chemistry for Durable Globe and Society Welfare.
Place: Abha, Saudi Arabia. APR 26-29, 2014
Organizer: Saudi Chemical Society and Department of Chemistry, College of Science,
24. **Title:** International Conference on Chemical, Agricultural, and Medical Sciences (CAMS-2013).
Place: Kuala Lumpur, Malaysia. King Khalid University, Abha, Saudi Arabia. DEC 29-30, 2013
Organizer: IICBE Int'l Conference.
23. **Title:** KAUST Polymer Conference: From Synthesis to Properties and Applications.
Place: King Abdullah University for Science and Technology (KAUST), Thuwal, Saudi Arabia. NOV 9-13, 2013
Organizer: King Abdullah University for Science and Technology.
22. **Title:** The 1st Saudi - Chinese Oil Refinery Forum 2013.
Place: KACST Headquarters–Conference Hall–Building 36, King Abdullah Road, Riyadh, Saudi Arabia. OCT 28-29, 2013
Organizer: King Abdul-Aziz City for Science and Technology.
21. **Title:** 12th International Conference-Polymers for Advance Technologies 2013” (PAT 2013).
Place: Henry Ford Building, Freie Universtat Berlin, Berlin, Germany. SEP 29 – OCT 2, 2013
Organizer: Freie Universtat Berlin.
20. **Title:** 4th Asian Biomaterials Congress” (ABMC4).
Place: Hong Kong University of Science and Technology, Hong Kong. JUN 26-29, 2013
Organizer: Hong Kong University of Science and Technology.
19. **Title:** 1st International Conference on Natural Fibers - Sustainable Materials for Advanced Applications.
Place: Guimarães, Portugal. JUN 9-11, 2013
Organizer: University of Minho.
18. **Title:** 245th American Chemical Society-National Meeting & Exposition.

- Place:** New Orleans, Louisiana, USA. APR 7-11, 2013
Organizer: American Chemical Society (ACS)
17. **Title:** The 2nd KACST-Oxford Petrochemicals Forum 2012.
Place: KACST Headquarters-Conference Hall –Building 36, King Abdullah Road, Riyadh, Saudi Arabia. SEP 9-12, 2012
Organizer: King Abdul-Aziz City for Science and Technology.
16. **Title:** The 2nd Saudi International Nanotechnology Conference (2SINC) 2012.
Place: KACST Headquarters - Conference Hall - Building 36, King Abdullah Road, Riyadh, Saudi Arabia. NOV 11–13, 2012
Organizer: King Abdul-Aziz City for Science and Technology (KACST).
15. **Title:** 2nd International Conference on Electrospinning 2012 (Electrospin 2012).
Place: Hyatt Regency Hotel, Jeju, Republic of Korea. MAY 29 – JUN 1, 2012
Organizer: Department of Materials Science and Engineering, Korea Advanced Institute of Science and Technology (KAIST).
14. **Title:** 5th Saudi Science Conference.
Place: King Abdul Aziz Hall, Umm Al-Qura University, Makkah, Saudi Arabia. APR 16–18, 2012
Organizer: Umm Al-Qura University.
13. **Title:** International Conference on Materials Science and Its Applications “Development and Innovation.
Place: Taif University, Taif, Saudi Arabia. FEB 13–15, 2012
Organizer: College of Science, Taif University.
12. **Title:** Advanced Technologies Forum 2011.
Place: KACST Headquarters-Conference Hall–Building 36, King Abdullah Road, Riyadh, Saudi Arabia. NOV 28-30, 2011
Organizer: King Abdul-Aziz City for Science and Technology (KACST).
11. **Title:** The 4th International Chemistry Conference.
Place: Madareem Crown Hotel, Riyadh, Saudi Arabia. NOV 19-21, 2011
Organizer: Saudi Chemical Society and Department of Chemistry, College of Science, King Saud University.
10. **Title:** The 11th Asian Textile Conference “Knowledge Convergence in Textiles for Human and Nature”.
Place: EXCO, Daegu, Republic of Korea. NOV 1-4, 2011
Organizer: Asian Textile Society.
9. **Title:** The Saudi International Petrochemical Technologies Conference.
Place: KACST Headquarters-Conference Hall-Building 36, King Abdullah Road, Riyadh, Saudi Arabia. JUN 6-7, 2011
Organizer: King Abdul-Aziz City for Science and Technology (KACST).
8. **Title:** 241st American Chemical Society-National Meeting & Exposition.
Place: Anaheim Convention Center, Anaheim, California, USA. MAR 27-31, 2011
Organizer: American Chemical Society (ACS).
7. **Title:** The International Conference for Nanotechnology Industries.
Place: InterContinental Hotel, Riyadh, Saudi Arabia. APR 5-7, 2009
Organizer: King Abdullah Institute of Nanotechnology (KAIN), King Saud University.
6. **Title:** TA Instruments 2003 Thermal Analysis & Rheology Seminar Series.

Place: School of Engineering, Virginia Commonwealth University (VCU), Richmond, VA 23284, USA. MAY 2003

Organizer: School of Engineering, Virginia Commonwealth University.

5. Title: 2004 VCU Nanofiber Symposium.

Place: Virginia Biotechnology Association, 800 East Leigh Street, Richmond, VA 23219-1534, USA. APR 16, 2004

Organizer: School of Engineering, Virginia Commonwealth University.

4. Title: International Conference for Enhancing Scientific Research: New Horizons.

Place: Tanta University, Tanta 31527, Egypt. FEB 20-21, 2008

Organizer: Tanta University.

3. Title: The 1st International Conference of Chemical Industries, Research Division.

Place: National Research Center, Cairo, Egypt. DEC 6-8, 2004

Organizer: Chemical Industries Division, National Research Center.

2. Title: The 6th Arab International Conference on Polymer Science and Technology.

Place: Ismailia-Sharm El-Sheikh, Egypt. SEP 1-5, 2001

Organizer: Egyptian Society for polymer science and technology, National Research Center.

1. Title: The 5th Arab International Conference on Polymer Science and Technology.

Place: Luxor-Aswan, Egypt. SEP 18-22, 1999

Organizer: Egyptian Society for Polymer Science and Technology, National Research Center.

PARTICIPATION IN WORKSHOPS

18. Title: Role of international scientific partnership in the quality of scientific research

Place: AIDirwaza Hall, KSU, Riyadh, Saudi Arabia. OCT 16, 2017

Organizer: International Scientific Partnership Program (ISPP), Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

17. Title: Invention and Innovation Culture and Its Importance in Universities

Place: Diriya Hall, KSU, Riyadh, Saudi Arabia. JAN 1, 2017

Organizer: Intellectual Property & Technology Licensing, King Saud University, Riyadh, Saudi Arabia.

16. Title: The 38th Meeting on Using Nanotechnology in Water Treatment

Place: AIDirwaza Hall, KSU, Riyadh, Saudi Arabia. APR 17, 2016

Organizer: KACST Headquarters-Conference Hall –Building 36, King Abdullah Road, Riyadh, Saudi Arabia.

15. Title: Research Workshop on Nanotechnology & Its Applications

Place: AIDirwaza Hall, KSU, Riyadh, Saudi Arabia. APR 16, 2015

Organizer: Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

14. Title: Expert SciFinder Users Orientation Session: Presented by Mr. Paul Peters, CAS Director for Europe, Middle East and Africa

Place: Department of Chemistry, College of Science, KSU, Riyadh, Saudi Arabia. OCT 26, 2014

Organizer: Chemical Abstracts Services (CAS) & Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.

13. Title: Applications of Gas Chromatography – Mass Spectrometry (GC-MS)

- Place:** Department of Botany and Microbiology, College of Science, KSU, Riyadh, Saudi Arabia. MAY 14, 2014.
Organizer: Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia.
12. **Title:** Excellence in Petrochemicals: Local and International Perspectives
Place: Diriya Hall, KSU, Riyadh, Saudi Arabia. FEB 12, 2014
Organizer: College of Engineering and College of Science, King Saud University, Riyadh, Saudi Arabia.
11. **Title:** Materials and Energy for New Energy Technologies
Place: Department of Chemistry, College of Science, KSU, Riyadh, Saudi Arabia. DEC 9, 2013
Organizer: Saudi Chemical Society and Royal Society of Chemistry, King Saud University, Riyadh, Saudi Arabia.
10. **Title:** Porous Materials: Design and Applications
Place: College of Science, KSU, Riyadh, Saudi Arabia. NOV 20, 2013
Organizer: King Abdullah Institute for Nanotechnology (KAIN) and Visiting Professor Program (VPP), King Saud University, Riyadh, Saudi Arabia.
9. **Title:** Porous Materials: Design and Applications
Place: Department of Chemistry, College of Science, KSU, Riyadh, Saudi Arabia. NOV 19, 2013
Organizer: Petrochemical Research Chair (PRC) and Visiting Professor Program (VPP), King Saud University, Riyadh, Saudi Arabia.
8. **Title:** Towards Distinguished Outcomes for the National Plan Projects
Place: Diriya Hall, KSU, Riyadh, Saudi Arabia. MAR 2, 2013
Organizer: King Saud University (KSU) in collaboration with King Abdul-Aziz City for Science and Technology (KACST), Riyadh, Saudi Arabia.
7. **Title:** Research Groups: Current Status and Prospects
Place: Diriya Hall, KSU, Riyadh, Saudi Arabia. FEB 24, 2013
Organizer: Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.
6. **Title:** Development of Scientific Research in King Saud University
Place: Diriya Hall, KSU, Riyadh, Saudi Arabia. FEB 5, 2013
Organizer: Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.
5. **Title:** Introduction to the FP7 European Funding for Research and Innovation
Place: College of Science, KSU, Riyadh, Saudi Arabia. APR 10, 2012
It has been accredited by the Saudi Commission for Health Specialties with accreditation number: 26793/2012.
Organizer: Biomarkers Research Program, College of Science, King Saud University, Saudi Arabia.
4. **Title:** Anton Paar Seminar: Lab Systems
Place: Radisson Blu Hotel, Riyadh, Saudi Arabia. MAR 18, 2012
Organizer: Naizak Company.
3. **Title:** Ethics of Scientific Research
Place: Diriya Hall, KSU, Riyadh, Saudi Arabia. DEC 4, 2011
Organizer: Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.
2. **Title:** Advances in Nanomaterials for Industrial Applications
Place: College of Engineering, KSU, Riyadh, Saudi Arabia. OCT 17, 2011

Organizer: Petrochemical Research Chair (PRC), Chemical Engineering Department and Visiting Professor Program (VPP) at King Saud University, Riyadh, Saudi Arabia.

1. Title: Sustainable Plastics from Renewable Resources and from Agro-Food Waste

Place: Ramses Hilton Hotel, 1115 Corniche El Nile, Cairo, Egypt. MAR 29-30, 2008

Organizer: ICS-UNIDO, Trieste, Italy in collaboration with National Cleaner Production Centre Cairo, Egypt, Plastic Technology Centre Alexandria, Egypt, and UNIDO Regional Office, Cairo, Egypt.

PARTICIPATION IN TRAINING COURSES

4. Title: Preparation and Evaluation of Continuous Carbon filaments via electrospinning.

Category: Training programs in carbon nanofibers.

Place: Nanomaterials Research Center, Modern Textile Institute, Donghua University, 1882 West Yan'an Road, Shanghai 200051, China. MAR 21-27, 2015

Organizer: Nanomaterials Research Center, Modern Textile Institute, Donghua University. (Prof. Bin Ding)

3. Title: Development and Commercialization of Fuel Cells Using Nanotechnology to Process Industrial Waste and Sewage Water.

Category: Training programs in fuel cells.

Place: Organic Materials and fiber Engineering Department, College of Engineering, Chonbuk National University, Jeonju, 561-756, Republic of Korea. MAR 20-29, 2014

Organizer: Organic Materials and fiber Engineering Department, College of Engineering, Chonbuk National University.

2. Title: Synthesis and Electrochemical Characterization of the Inorganic Nanofibers to Be Used as Electrodes in the Fuel Cells.

Category: Training programs in fuel cells.

Place: Organic Materials and fiber Engineering Department, College of Engineering, Chonbuk National University, Jeonju, 561-756, Republic of Korea. JUN 19-25, 2013

Organizer: Organic Materials and fiber Engineering Department, College of Engineering, Chonbuk National University.

1. Title: Tissue Culture Training Course.

Category: Training programs in tissue engineering.

Place: College of Chemistry, Chemistry Engineering and Biotechnology, Donghua University, 2999 Renmin Road North, Songjiang, Shanghai 201620, China. MAR 20-30, 2013

Organizer: College of Chemistry, Chemistry Engineering and Biotechnology, Donghua University. (Prof. Xiumei Mo).

SERVICE AS REVIEWER

ACADEMIC PROGRAM

3. Study Plan: Master of Science in Chemistry (M.Sc.)

Department of Chemistry, College of Applied Science, Islamic University of Madinah, Madinah, Saudi Arabia.
(Coordinator: Prof. Sobhy Gomaa). JUN 2022

(Email: smgomha@iu.edu.sa)

2. Developing Academic Programs: Industrial Chemistry (B.Sc.)

Department of Chemistry, College of Applied Science, Umm Al-Qura University, Makkah, Saudi Arabia.
(Coordinator: Dr. Mashary Bin Ahmad Alsharif). MAY 2022
(Email: ecptp@uqu.edu.sa)

1. Academic Accreditation of Programs: Chemistry (B.Sc.)

Department of Chemistry, College of Science, King Faisal University, Alhassa, Saudi Arabia. (Chairman of Department: Dr. Yasser Bin Soliman Alfayez). MAY 2020

JOURNALS

Reviewer for International journals (more than 60 journal)

COMMUNITY SERVICE

MEMBERSHIP OF CONFERENCE AND WORKSHOPS COMMITTEES

13. MEMBER OF SCIENTIFIC COMMITTEE

Conference: "International Conference on RECENT TRENDS IN CHEMISTRY ICRTC 2021".

Place: Sharm El-Sheikh, Egypt. OCT 1-4, 2021

Organizer: Department of Chemistry, Faculty of Science, Tanta University, Tanta 31527, Egypt.

<http://icrtc.science.tanta.edu.eg>

12. MEMBERSHIP OF ORGANIZING COMMITTEE

Conference: "4th International Conference on Biopolymers & Polymer Chemistry (ICBPC-2019)".

Place: Las Vegas, USA ". JUL 11-12, 2019

Organizer: Scientific Federation.

<https://scientificfederation.com/icbpc-2019/>

11. MEMBER OF SCIENTIFIC COMMITTEE

Conference: "International Conference on RECENT TRENDS IN CHEMISTRY ICRTC 2017".

Place: Hurghada, Egypt. APR 25-28, 2017

Organizer: Department of Chemistry, Faculty of Science, Tanta University, Tanta 31527, Egypt.

<http://icrtc.science.tanta.edu.eg>

10. MEMBER OF SCIENTIFIC COMMITTEE

Congress: "Asian Advanced Materials Congress (ASAMC) ".

Place: Diamond Princess Cruise Ship cruising from Singapore - Kuala Lumpur (Malaysia) - Penang (Malaysia) - Phuket (Thailand)- Singapore. Singapore. MAR 11-16, 2017

Organizer: The International Association of Advanced Materials (IAAM) with the collaboration of VBRI Press AB, Sweden.

<http://www.vbripress.org/asamc/#sthash.KWImheg4.dpuf>

9. MEMBER IN ADVISORY COMMITTEE

Conference: "1st International Conference on "Recent Trends in Microbiology" (RTM-2016).

Place: 4th floor, Conference Hall, Science Campus, Alagappa University, Karaikudi, India. DEC 7-8, 2016

8. CHAIRMAN FOR SCIENTIFIC SESSION "Track 2: Oil, Gas & Energy and Track 3: Petrochemicals & Catalysis"

Conference: "Fifth International Chemistry Conference (5th ICC) "Chemistry for Durable Globe and Society Welfare"".

Organizer: Saudi Chemical Society and King Khalid University.

Place: Abha, Saudi Arabia. APR 26-29, 2014

7. COORDINATOR

Workshop: “Electrospun nanofibers: Large scale production and applications”.

Organizer: “Petrochemical Research Chair (PRC) in cooperation with Visiting Professor Program (VPP)”.

Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. DEC 24, 2013

6. COORDINATOR

Workshop: “Non-precious metallic nanofibers as novel, cheap and effective electrodes for scaling up of fuel cells manufacturing precious metallic nanofibers technology”.

Organizer: “National Plan for Science and Technology in cooperation with Petrochemical Research Chair”.

Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. NOV 22, 2013

5. COORDINATOR

Workshop: “Bio-Active nanofibers via electrospinning”,)

Organizer: “National Plan for Science and Technology in cooperation with Petrochemical Research Chair”

Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. MAY 11-12, 2013

4. MEMBERSHIP OF ORGANIZING COMMITTEE

Training Course: “Fundamentals of polymer science and its industrial applications”.

Organizer: Petrochemical Research Chair.

Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. NOV 12, 2012

3. COORDINATOR

Workshop: “Electrospinning: An effective technique in nanofibers production”.

Organizer: Petrochemical Research Chair.

Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. FEB 20-22, 2012

2. MEMBERSHIP OF ORGANIZING COMMITTEE

Training Course: “Fundamentals of polymer science and its industrial applications”.

Organizer: Petrochemical Research Chair.

Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. FEB 4-8, 2012

1. CHAIRMAN FOR SCIENTIFIC SESSION “Fiber and Polymer Materials”

Conference: The 11th Asian Textile Conference “Knowledge Convergence in Textiles for Human and Nature”.

Place: EXCO, Daegu, South Korea. NOV 1-4, 2011

MEMBERSHIP OF JOURNAL EDITORIAL BOARDS

2. GUEST EDITOR

Journal: Polymers, (ISSN 2073-4360; CODEN: POLYCK), MDPI. 2022

Special Issue: Biopolymers-Based Nanocomposites: Preparation, Properties and Applications.

https://www.mdpi.com/journal/polymers/special_issues/Biopolym_Based_Nanocomposites_Prep_Prop_Appl

1. GUEST EDITOR

Journal: Polymers, (ISSN 2073-4360; CODEN: POLYCK), MDPI. 2021-2022

Special Issue: State-of-the-Art Polymer Science and Technology in Saudi Arabia (2021,2022).

https://www.mdpi.com/journal/polymers/special_issues/KSA_2021_2022

INVITED PRESENTATIONS AT SCIENTIFIC MEETINGS/WORKSHOPS

- 36. Title:** Electrospun Nanofibers as Drug Delivery System: Methods and Applications.
Place: Department of Chemistry, College of Science, UAEU, Al Ain, AEU. (*General Lecture*) OCT 26, 2023.
- 35. Title:** Fabrication of Nanofibers via Electrospinning and Their Applications.
Arabic Chemistry Week's Event 2021 G.
Place: Saudi Chemical Society & Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. (*General Lecture*) OCT 26, 2021.
- 34. Title:** Electrospinning of Core-Shell Nanofibers by Single-Nozzle Technique as Drug Delivery System.
Conference: International Conference on Advances in Material Sciences & Manufacturing Technology (ICAMSMT-2021)
Place: India. 2021
Organizer: International Research Foundation (ARUNAI), Universiti Tun Hussein Onn Malaysia, Jamal Mohamed College, India.
- 33. Title:** Polymers.
Place: King Saud University, Riyadh 11451, Saudi Arabia. OCT 17, 2020
Organizer: STEAMMomentum Team.
- 32. Title:** Fundamentals of Writing Scientific Research.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia (*for undergraduate students; CHEM 499*). OCT 1, 2019
Organizer: Department of Chemistry and Saudi Chemical Society.
- 31. Title:** Polymer in view of chemistry; Synthesis and uses.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. DEC 30, 2018
Training course: Advanced Plastics Structures and Recycling (*for Higher Institute for Plastics Fabrication, Riyadh*)
Organizer: Saudi Chemical Society & Department of Chemistry.
- 30. Title:** How to write a scientific paper.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia (*for undergraduate students; CHEM 499*) NOV 5, 2018
Organizer: Department of Chemistry and Saudi Chemical Society.
- 29. Title:** Uses of eco-friendly and biodegradable polymers.
Place: "First Gulf Chemists Symposium- GulfChem-2018", Le Meridien Hotel, Al Khobar, Saudi Arabia. APR 25, 2018
Organizer: Gulf Chemists Union.
- 28. Title:** How to write a scientific paper.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia (*for undergraduate students; CHEM 499*) FEB 14, 2018
Organizer: Department of Chemistry and Saudi Chemical Society.

- 27. Title:** Biohybrid electrospun nanofibers: encapsulation of cells into electrospun fibers.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. (General Lecture) DEC 21, 2017
Organizer: Saudi Chemical Society.
- 26. Title:** Electrospinning, simple and effective approach in nanotechnology.
Place: Department of Chemistry, Faculty of Science, Tanta University, Tanta 31527, Egypt. (General Lecture) JUL 5, 2017
Organizer: Department of Chemistry.
- 25. Title:** Electrospinning, simple and effective approach in nanotechnology.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia (for Higher Institute for Plastics Fabrication, Riyadh). JAN 2-3, 2017
Training course: Electrospinning, simple and effective approach in nanotechnology (for Higher Institute for Plastics Fabrication, Riyadh)
Organizer: Department of Chemistry.
- 24. Title:** How to write a scientific paper.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia (for undergraduate students; CHEM 499) DEC 21, 2016
Organizer: Department of Chemistry.
- 23. Title:** Plastic waste management.
Arabic Chemistry Week's Event 2016.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. OCT 25, 2016
Organizer: Department of Chemistry.
- 22. Title:** Biomedical applications of electrospun nanofibers: drug delivery and antimicrobial activity.
Place: Department of Chemistry, College of Science and Arts, King Abdul-Aziz University, Rabgh, Saudi Arabia. (General Lecture) FEB 7, 2016
Organizer: NSTIP and Department of Chemistry (Dr. Abeer Elsherbiny).
- 21. Title:** Electrospinning: History overview.
Arabic Chemistry Week's Event 2015, Union of Arab Chemists.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. (General Lecture) DEC 27, 2015
Organizer: Department of Chemistry.
- 20. Title:** How to write a scientific paper.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia (for undergraduate students; CHEM 499) OCT 22, 2015
Organizer: Department of Chemistry.
- 19. Title:** Biomedical applications of electrospun nanofibers: drug delivery and antimicrobial activity.
Place: Nanomaterials Research Center, Modern Textile Institute, Donghua University, 1882 West Yan'an Road, Shanghai 200051, China. MAR 26, 2015
Organizer: Nanomaterials Research Center, Modern Textile Institute. (Prof. Bin Ding)
- 18. Title:** Microwave-assisted synthesis of some copolymers and their applications.

- Place:** College of Chemistry, Chemistry Engineering and Biotechnology, 2999 Renmin Road North, Songjiang, Shanghai 201620, China. MAR 24, 2015
- Organizer:** College of Chemistry, Chemistry Engineering, and Biotechnology. (*Prof. Xiumei Mo*)
- 17. Title:** Electrospun nanofibers: Fabrication and applications.
- Place:** Department of Chemistry, College of Science and Arts, King Abdul-Aziz University, Rabgh, Saudi Arabia. FEB 8, 2015
- Organizer:** NSTIP and Department of Chemistry. (*Dr. Abeer Elsherbiny*).
- 16. Title:** Petrochemical research chair; Establishment, research, and technology transfer.
- Place:** Nottingham Nanotechnology & Nanoscience Centre, the University of Nottingham, Nottingham, United Kingdom. JAN 21, 2015
- Organizer:** Nottingham Nanotechnology & Nanoscience Centre. (*Director, Prof. Andrei Khlobystov*).
- 15. Title:** Polymers for controlled drug delivery.
- Place:** Nanomaterials Research Center, Modern Textile Institute, Donghua University, 1882 West Yan'an Road. SEP 20, 2014
- Organizer:** Nanomaterials Research Center, Modern Textile Institute. (*Prof. Bin Ding*).
- 14. Title:** Electrospun nanofibers: From fabrication to applications.
- Place:** Department of Botany and Microbiology, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. MAY 15, 2014
- Organizer:** "National Plan for Science and Technology and Department of Botany and Microbiology. (*Dr. Ahmed Abdel-Fattah*).
- 13. Title:** Microwave-assisted synthesis of some copolymers.
- Place:** Department of Organic Materials and Fiber Engineering, Chonbuk National University, Jeonju, South Korea. MAR 27, 2014
- Organizer:** Department of Organic Materials and Fiber Engineering (*Prof. Hak Yong Kim*)
- 12. Title:** Non-precious metallic nanofibers as novel, Cheap, and effective electrodes for scaling up of fuel cells manufacturing precious metallic nanofibers technology: Results description.
- Place:** Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. DEC 22, 2013
- Organizer:** National Plan for Science and Technology and Petrochemical Research Chair at Department of Chemistry.
- 11. Title:** Polymeric drug delivery systems.
- Place:** Department of Organic Materials and Fiber Engineering, Chonbuk National University, Jeonju, Republic of Korea. JUN 22, 2013
- Organizer:** Department of Organic Materials and Fiber Engineering. (*Prof. Hak Yong Kim*)
- 10. Title:** Bioactive nanofibers via electrospinning: Project description
- Place:** Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. MAY 12, 2013
- Organizer:** Workshop entitled "Bio-Active nanofibers via electrospinning", Organized; National Plan for Science and Technology and Petrochemical Research Chair at Department of Chemistry.
- 9. Title:** Drug delivery systems form polymeric drugs to electrospun nanofibers.
- Place:** College of Chemistry, Chemistry Engineering and Biotechnology, 2999 Renmin Road North, Songjiang, Shanghai 201620, China. MAR 22, 2013
- Organizer:** College of Chemistry, Chemistry Engineering, and Biotechnology. (*Prof. Xiumei Mo*).

8. **Title:** Classification and nomenclature of polymer.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. NOV 12, 2012
Organizer: Training Course on “Fundamentals of polymer science and its industrial applications”, Petrochemical Research Chair at Department of Chemistry.
7. **Title:** Electrospinning technique as a new technology for different applications.
Place: King Saud University, Riyadh 11451, Saudi Arabia. APR 28, 2012
Organizer: Workshop on “Scholarship opportunities in nanotechnology and related field”, Organized by Deanship of Scientific Research, King Saud University.
6. **Title:** Nanospider: description and use.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. FEB 21, 2012
Organizer: Workshop on “Electrospinning: An effective technique in nanofibers production”, Petrochemical Research Chair at Department of Chemistry.
5. **Title:** Large scale production of nanofibers using nanospider.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. FEB 21, 2012
Organizer: Workshop on “Electrospinning: An effective technique in nanofibers production”, Petrochemical Research Chair at Department of Chemistry.
4. **Title:** Biomedical applications of electrospun nanofibers.
Place: Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia. FEB 20, 2012
Organizer: Workshop on “Electrospinning: An effective technique in nanofibers production”, Petrochemical Research Chair at Department of Chemistry.
3. **Title:** Biomedical applications of electrospun nanofibers.
Place: Healthcare Research Center, Chonbuk National University, Jeonju, Republic of Korea. JUL 25, 2011
Organizer: Healthcare Research Center. (*Prof. Hak Yong Kim*)
2. **Title:** Biomedical applications of electrospun nanofibers.
Place: Strategic Center for Diabetes Research, King Saud University, Riyadh, Saudi Arabia. JUL 25, 2009
Organizer: Strategic Center for Diabetes Research.
1. **Title:** Biomedical applications of polymers.
Place: Graduate School of Science and Engineering, Yamagata University, Yonezawa, Japan. DEC 22, 2008
Organizer: Graduate School of Science and Engineering. (*Prof. Hideharu Mori*)

INTERNATIONAL COLLABORATION

Dr. El-Newehy coordinates the international collaboration with some international universities via joint projects, publications, and presenting lectures

- | | |
|--|---|
| 1) Chonbuk National University, Jeonju, South Korea. | 2) Donghua University, Shanghai, China. |
| 3) Ewha Womens University, Seoul, South Korea. | 4) Korea University, Seoul, South Korea |

MEMORANDUM OF UNDERSTANDING (MOU)

Dr. El-Newehy coordinates the international collaboration of Petrochemical Research Chair Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia and he participated in issue of Memorandum of Understanding (MOU) between Petrochemical Research Chair, and

8. College of Materials Science and Engineering, Donghua University, Shanghai, China. (Dean; Prof. Meifang Zhu). MAR 27, 2015
7. Nottingham Nanotechnology & Nanoscience Centre at the University of Nottingham, Nottingham, United Kingdom. (Director, Prof. Andrei Khlobystov). JAN 21, 2015
6. Center for Intelligent Nano-Bio Materials at Ewha Womans University, Seoul, Republic of South Korea. (Director, Prof. Jin-Ho Choy). NOV 3, 2014
5. Department of Chemistry, Sogang University, Seoul, Republic of Korea. (Prof. Dae Yoon Chi). SEP 8, 2014
4. Council of Scientific and Industrial Research (CSIR-Indian Institute of Petroleum) 'CSIR-IIP'; Anusandhan Bhawan, 2, Rafi Marg, New Delhi, 110 001, through its constituent institute, the Indian Institute of Petroleum (IIP) located at Mohkampur, Dehradun-248005, India. (Director; Prof. M.O. Garg). FEB 13, 2014
3. College of Polymer Science and Polymer Engineering (CPSPE) 'CPSPE-UA'; Polymer Engineering Academic Center 422, Akron, OH 44325-0301, through The University of Akron (UA) located at Akron, OH 44325-0301, USA. (Associate Dean of Research; Prof. Alamgir Karim). FEB 13, 2014
2. Biomaterials and Tissue Engineering Research Group, Chemistry, Chemical Engineering & Bioengineering, Institute of Biological Sciences and Biotechnology, Donghua University, Shanghai, China. (Director; Prof. Xiumei Mo). MAR 19, 2013
1. Center for Healthcare Technology Development, Chonbuk National University. (Director; Prof. Hak Yong Kim). DEC 17, 2010

INVITED PROFESSORS

Dr. El-Newehy invited Professors to present lectures at King Saud University, Riyadh, Saudi Arabia:

1. Prof. Hak Young Kim

Department of Organic Materials and Fiber Engineering, College of Engineering, Chonbuk national University, 664-14, 1-Ga Dukjin-Dong, Duckjin-Gu, Jeonju, 561-756, South Korea.

1. 24-30/12/2010 G

26/12/2010 G; "Spider-net structures of electrospun nanofibers".

27/12/2010 G; "Inorganic nanofibers and their applications"

2. 17-23/2/2012

19/2/2012; "Nanofibers: Photos archive".

21/2/2012; "Large scale electrospun nanofibers production"

3. 21-27/12/2013

22/12/2013 G; "Electrospinning, basics, and applications of the electrospun nanofibers"

4. 20-25/12/2014

23/12/2014 G; "Carbon quantum dots decorated electrosspun fibers and their photoluminescence"

2. Prof. Xiumei Mo

Biomaterials and Tissue Engineering Research Group, Chemistry, Chemical Engineering & Bioengineering, Institute of Biological Sciences and Biotechnology, Donghua University, Shanghai, China.

1. 17-23/2/2012

20/2/2012; "Electrospun nanofiber for tissue engineering".

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3. Prof. Bin Ding

Donghua University, Shanghai, China.

1. 21-27/12/2013

22/12/2013; "Flexible Electrospun Inorganic Oxide Nanofibers"

2. 21/12/2014; "Electrospun Nanofibrous Aerogels: Progress in Materials, Properties, and Applications".

4. Prof. Mohamed Ali Abdelkareem

Department of Chemical Engineering, Faculty of Engineering, Minia University, Minia, Egypt.

1. 12/2/2012; "Challenges facing commercialization of fuel cells"

2. 21-27/12/2013

22/12/2013; "Non-precious metallic nanofibers as novel, cheap and effective electrodes for scaling up of fuel cells manufacturing technology: project description".

3. 3/2/2015; "The Progress and Challenges in Fuel Cells"

5. Prof. Dae Yoon Chi

Department of Chemistry, Sogang University, Seoul, South Korea.

1. 8/9/2014; "Development and perspective of radiopharmaceuticals"