

**Personal Data:**

Name			Nationality	Place of Birth	Date of Birth	Gender	Marital Status
First	Middle	Family	Egyptian	Egypt		Male	
MOHAMED	RAMADAN	ELAASSAR					
<b>General Specialization</b>		Chemistry					
<b>Specialization</b>		Organic chemistry					
<b>Current Position</b>		Associate professor, Department of Chemistry, College of Science, Jouf University, Saudi Arabia					
<b>Scientific Title</b>		Professor <input type="checkbox"/> ProfessorAssociate <input checked="" type="checkbox"/> Assistant Professor <input type="checkbox"/> Lecturer <input type="checkbox"/> Other <input type="checkbox"/>					
<b>Highest degree/ Date</b>		Ph.D. in Chemistry, September 22, 2010					
<b>IDNumber</b>							
<b>College</b>		Science	<b>Department</b>		Chemistry		

**Contact Data:**

<b>Address</b>	Sakaka, Jouf, Saudi Arabia		<b>E-mail address (official)</b>	mrelaassar@ju.edu.sa
<b>Work Phone no. (Internal phone number)</b>			<b>E-mail address (personal)</b>	
<b>Home phone number</b>			<b>Personal site</b>	optional
<b>Mobile</b>			<b>Fax</b>	
<b>Mailbox</b>		Postal code		

**Education (Bachelor, Master, PhD, Other):**

No.	Qualification	Date	Degree	University	Collage	Scientific Department	Specialization	
							General	Specific
1	PhD	2010	PhD	Al-azhar University	Science	Chemistry	Chemistry	Applied Chemistry
2	Master	2006	Master	Al-azhar University	Science	Chemistry	Chemistry	Applied Chemistry
3	Bachelor	2002	Bachelor	Al-azhar University	Science	Chemistry	Chemistry	Applied Chemistry

### Employment Qualifications:

Job	Job Title	University Degree	Workplace	Date		Work duty	Years of Experience
				From	To		
<b>Academic</b>	Associate professor	Jouf University	Saudi Arabia	31/10/2018	Present	Teaching, Central laboratories	First Year
	Associate professor	City of Scientific Research and Technological Applications	Egypt	30/4/2016	30/10/2018	Teaching, Researcher	Four Years
	Post doctor Fellowship	Donghua University	Shanghai, China	15/12/2014	15/12/2016	Post doctor, Researcher	Two Years
	Assistant Professor	City of Scientific Research and Technological Applications	Egypt	14/4/2011	29/4/2016	Teaching, Researcher	Five Years
	Researcher	College of Science, King Saud University	Saudi Arabia	10/4/2010	25/8/2012	Teaching, Researcher, Central laboratories	Two Years
	Assistant Researcher	City of Scientific Research and Technological Applications	Egypt	4/11/2007	13/4/2011	Teaching	Four Years

<b>Other</b>	Research Scholar	Egyptian Government	Egypt	1/3/2003	1/3/2006	Researcher	Three Years
	Short visit	Russian Academy of Sciences	Russia	1/9/2013	1/10/2013	training	One month
	Short visit	Slovak Academy of Sciences	Slovak Republic	1/5/2013	1/6/2013	training	One month

### Participation in scientific conferences and symposiums

No.	Title of the conference or symposium	Held in	Year
<b>1</b>	The International Conference on Advanced Nanomaterials( ANM2018), from 18th to the 20th July 2018 at the University of Aveiro in Aveiro, Portugal.	Portugal	2018
<b>2</b>	ICMSE–RAC–2018, International Conference on Materials Science And Engineering, 12th March 2018	Egypt	2018
<b>3</b>	Third International Conference on New Horizons in Basic and Applied Science (ICNHBAS), Harghada, Egypt, from August 5 – 7, 2017.	Egypt	2017
<b>4</b>	Attending International Conference on Recent Trends in Chemistry (ICRTC 2017) in Hurghada – Egypt, 25 – 28 April 2017.	Egypt	2017
<b>5</b>	The Second International Conference on New Horizons in Basic and Applied Science, Harghada, Egypt, from August 1 – 6, 2015.	Egypt	2015
<b>6</b>	the Second International Symposium on Vascular Tissue Engineering (ISVTE 2015), Shanghai, China, from May 28 – 29, 2015	China	2015
<b>7</b>	The 2015 International Conference on Advanced Fibers and Polymer Materials, Functional Fibers and Textiles, Shanghai, China, from May 24 – 27, 2015.	China	2015
<b>8</b>	3rd International Conference on Electrospinning (ELECTROSPIN 2014), San Francisco, California, USA, from August 4 – 7, 2014.	USA	2014

<b>9</b>	The Saudi International Environmental Technologies Conference May, 13–15 / 2012, in Riyadh, Kingdom of Saudi Arabia.	Saudi Arabia	2012
<b>10</b>	Participate and understanding the risk assessment training course, May, 15 / 2012, during the Saudi International Environmental Technologies Conference, in Riyadh, Kingdom of Saudi Arabia.	Saudi Arabia	2011
<b>11</b>	The Fourth International Chemistry Conference, 19–21, November 2011–23–25, The Elhejrah 1432 H. in Riyadh – KSU.	Saudi Arabia	2011
<b>12</b>	The Saudi International Petrochemical Technologies Conference, 6–7 June 2011, Riyadh, Kingdom of Saudi Arabia.	Saudi Arabia	2011
<b>13</b>	The Saudi International water Technology Conference 2011, 21–22 Nov 2011, Riyadh, Kingdom of Saudi Arabia.	Saudi Arabia	2011
<b>14</b>	The advanced Technologies forum 2011, 28–30 Nov 2011, Riyadh, Kingdom of Saudi Arabia.	Saudi Arabia	2011
<b>15</b>	Seventh International Scientific Conference, Al–Azhar University (ISCAZ 2010), Environment, Development, and Nanotechnology, Cairo, Egypt, 22 – 24 March 2010.	Egypt	2010

### Supervision of undergraduate:

No.	Thesis Title	Degree		University	Year	Collage	Department
		M.Sc.	Ph.D.				
<b>1</b>	Development of Copolymer as an Enzyme Immobilization Support for Bio– Application		√	Ain shams University with University of California	Present	Science	Chemistry
<b>2</b>	Preparation and characterization of nanopolymer and its application for the removal of some metal ions from waste water		√	Ain shams University	Present	Science	Chemistry
<b>3</b>	Combination of Nanofiber with Highly Efficient Nanosorbent Materials for Wastewater Treatment		√	Ain shams University	Present	Science	Chemistry
<b>4</b>	Enhancement of declourization of textile wastewater using nanoparticles technology		√	Damietta University	2018	Science	Chemistry
<b>5</b>	Development of polymeric membranes for pollutants decontamination from industrial wastewater		√	Institute of Graduate Studies and Research, Alexandria	Present	Science	Environmental Studies

				University			
6	Preparation of Nano Fiber Impregnated with Nanosorbent Materials and its Application in Waste Water Treatment		√	Ain shams University	Present	Science	Chemistry
7	Potato growth performance as affected by mycorrhizal spors ,yeast and molasses immobilized on to biopolymers		√	Alexandria University	Present	Agriculture	Land
8	The Use of Hyaluronic Acid Hydrogels for Interdental Papilla Augmentation	√		Ain shams University	2018	Dentistry	Oral Medicine, Periodontology, Oral Diagnosis and Radiology
9	Preparation and characterization of nano-polymer and its application in the removal of some metal ions from wastewater	√		Alexandria University	2016	Science	Chemistry
10	Preparation and characterization of polymer/inorganic hybrid nanostructures by electrospinning for advanced applications	√		Al-Azhar University	2017	Science	Chemistry
11	Development and Characterization of Polymeric Nanoparticles for Cancer Treatment	√		Damanhour University	Present	Pharmacy	Pharmaceutics
12	Development of composite antimicrobial nanofibers for biomedical applications	√		Institute of Graduate Studies and Research, Alexandria University	Present	Science	Material science

### Membership of specialized committees and associations:

No.	Committee	Period	Place
1	The COST Action (MP1206) for Electrospun Nano-Fibres for Bio-Inspired Composite Materials and Innovative Industrial Applications.	2013/2017	European Cooperation in Science and Technology
2	The Saudi Chemical Society	2012	Saudi Arabia
3	the Egyptian Society of Polymer Science and	2016-2018	Egypt

	Technology		
4	The Material science Society.	2016–2018	Egypt

### Training courses and workshops:

No.	courses / workshop	Specialization	Held in	Year
1	Training in the field of Preparation of polymeric materials by electrospinning technique	Material Science	Prague, czech republic	2018
2	Organizing committee of workshop entitled “Electrospinning Technique: From Fundamental into Nanotechnological Application”, April 10, 2018, city for scientific research and technological application, Alexandria, Egypt.	Material Science	Egypt	2018
3	6th International Workshop on Applications of Nanoscience and Nanotechnology (IWANN 2016), “Nanotechnology Solutions for Water Filtration”, UNIDO and Bilkent University–UNAM, Ankara, Turkey, 11 – 22 July, 2016	Material Science	Turkey	2016
4	Training visit in the field of polycondensation synthesis of polymer for membrane applications	Polymer	Saint–Petersburg, Russia	2013
5	Training visit in the field of polymer drug release	Polymer	Slovak Republic	2013
6	Organizing committee of workshop entitled “Electrospinning: an Effective Technique in Nanofibers Production”, February 19–21, 2012, Petrochemical Research Chair, Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia.	Material Science	Saudi Arabia	2012
7	Organizing committee of Training Program entitled “Fundamentals of Polymer Science and its Industrial Applications”, February 4–8, 2012, Petrochemical Research Chair, Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia.	Material Science	Saudi Arabia	2012
8	Workshops entitle "Essentials of Research Project management", King Saud University – Riyadh – Kingdom of Saudi Arabia, 2 May 2011.	Material Science	Saudi Arabia	2011
9	Workshop on Operations, Applications and Analysis with JP Selecta Nutritional Analysis Apparatus, 2 May 2011, JP Selecta Food & Water Analysis Specialist Company, Abuljadayel Company, Riyadh, Kingdom	Material Science	Saudi Arabia	2011

	of Saudi Arabia.			
<b>10</b>	Workshop on Synthesis, Characterization and Industrial Applications of Nanoparticles and Nanostructure materials, 12–16 November 2005, Mubarak city for scientific research and technological application, Alexandria, Egypt.	Material Science	Egypt	2005

### Skills:

<b>Skills</b>	<b>1</b>	Read and understand work-related materials.
	<b>2</b>	Understand spoken information
	<b>3</b>	Understand new information or materials by studying and working with them
	<b>4</b>	Use several methods to learn or teach new things

### Community, cultural and volunteer contributions:

No.	activity	Type of activity	Period
<b>1</b>	Development new products for industrial (ELARABY GROUP)	Developing a product for a national industry	2016–2018
<b>2</b>	Lectures for university and school youth	Summer courses for university students	2016–2018
<b>3</b>			

### Awards and honors:

No.	Award	Awarded by	Specialization	Period
<b>1</b>	China postdoctoral Science Foundation Gran : Grant No:(2015M571457).	Donghua University	Material Science	2016
<b>2</b>	Prize of City of Scientific Research and Technology Applications (SRTA–City) for Scientific Publishing in sciences 2012, 2013, 2014 and 2015.	SRTA–City		2012, 2013, 2014, 2015 and 2016

## Administrative positions

No.	Position	Organization	Country	Period
1	Supervisor of the High Temperature GPC System Unit on the central lab	Petrochemical Research Chair's, King Saud University	Saudi Arabia	2010-2012
2	Supervisor of the Petrochemical Research Chair website	Petrochemical Research Chair's, King Saud University	Saudi Arabia	2010-2012
	PI at STDF project entitles "Development of Advanced Nanomaterials for Environmental Bioremediation", project ID no. 15042, "Basic & Applied Program", 2016-2018.	SRTA-City	Egypt	2016-2018

## Languages:

language	Speaking	Writing	Reading
Arabic	Native	Native	Native
English	Very good	Very good	Very good

## Authoring Books

No.	Book Title	ISBN	Co-Author	Edition	Number of Pages	Book Language	Publication Date
1	Controlled Immobilized Enzymes as Catalysts with Particular Application in Industrial Chemical Processes	978-1-77188-058-9	M. S. Mohy Eldin, M. R. El-Aassar, and E. A. Hassan	Physical Chemistry Research for Engineering and Applied Sciences	241-264	English	2013
2	Orientation Controlled Immobilization Strategy for $\beta$ -galactosidase on Alginate Beads		M. S. Mohy Eldin, M. R. El-Aassar, and E. A. Hassan	Engineering of Polymers and Chemicals Complexity		English	2013



**Scientific Publication:**

No.	Title	Publisher	Year of Publication
1	Valuation of rice straw residues: Production of silylated methylcellulose containing propylamine and propylethylenediamine for use as anticorrosion and antibacterial	Journal of Biological Macromolecules	2022
2	Fabrication of Polyaniline@ $\beta$ -cyclodextrin Nanocomposite for Adsorption of Carcinogenic Phenol from Wastewater	ACS Appl. Bio Mater	2022
3	Cross-Linked Chitosan/Gelatin Beads Loaded with Chlorella vulgaris Microalgae/Zinc Oxide Nanoparticles for Adsorbing Carcinogenic Bisphenol-A Pollutant from Water	ACS Omega	2022
4	A Novel $\beta$ -Cyclodextrin/Alginate-combined-Nickel Oxide Nanosorbent for Adsorptive Remediation of $^{51}\text{Cr}$ and $^{56}\text{Mn}$ Radionuclides	Applied Radiation and Isotopes	2022
5	Sulfanilic acid-functionalized magnetic GO as a robust adsorbent for the efficient adsorption of methylene blue from aqueous solution	Journal of Molecular Liquids	2022
6	A Treatment of Wastewater Containing Safranin O Using Immobilized Myriophyllum spicatum L. onto Polyacrylonitrile/Polyvinylpyrrolidone Biosorbent	Journal of Inorganic and Organometallic Polymers and Materials	2022
7	One-pot synthesis of amine-functionalized nano-silica via sol-gel assisted by reverse micelle microemulsion for environmental application	Nanomaterials	2022
8	Electrospinning $\text{NH}_2$ -MIL-101/PAN nanofiber mats: A promising catalyst with Lewis acidic and basic bifunctional sites for organic transformation reactions,	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022
9	Alginate/k-carrageenan oral microcapsules loaded with Agaricus bisporus polysaccharides MH751906 for natural killer cells mediated colon cancer immunotherapy	International Journal of Biological Macromolecules	2022
10	Biotechnological Applications of Polymeric Nanofiber Platforms Loaded with Diverse Bioactive Materials: Review	Polymers	2021
11	Development of photo-induced $\text{Ag}^0/\text{TiO}_2$ nanocomposite coating for photocatalysis, self-cleaning and antimicrobial polyester fabric	journal of materials research and technology	2021
12	Free-standing working electrodes for supercapacitors based on composite polymer nanofibers and functionalized with graphene oxide	Journal of Electronic Materials	2021

13	Reusing and Characterization of the Used Reverse Osmosis Membrane and its Application in Surface Water Purification	Egyptian Journal of Aquatic Biology & Fisheries	2021
14	Fabrication of novel valorized ecofriendly olive seed residue/anthracite/chitosan composite for removal of Cr (VI): kinetics, isotherms and thermodynamics modeling	Cellulose	2021
15	Dietary supplementation of silver–silica nanoparticles promotes histological, immunological, ultrastructural, and performance parameters of broiler chickens	Scientific Reports	2021
16	Wound dressing of chitosan–based–crosslinked gelatin/ polyvinyl pyrrolidone embedded silver nanoparticles, for targeting multidrug resistance microbes	Carbohydrate Polymers	2021
17	Interpenetration of metal cations into polyelectrolyte–multilayer–films via Layer–by–layer assembly: Selective antibacterial functionality of cationic guar gum/ polyacrylic acid– Ag+ nanofilm against resistant E. coli	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2021
18	Antibiotic–free combinational hyaluronic acid blend nanofibers for wound healing enhancement	International Journal of Biological Macromolecules	2021
19	Characterization valorized anthracite and its application in manganese (VII) adsorption from aqueous solution; batch and column studies	Microporous and Mesoporous Materials	2020
20	Nanofiltration membranes prepared from pristine and functionalised multiwall carbon nanotubes/biopolymer composites for water treatment applications	Journal of Materials Research and Technology	2020
21	Adsorptive removal of Methyl orange from aqueous solutions by polyvinylidene fluoride tri–fluoro ethylene/carbon nanotube/kaolin nanocomposite: kinetics, isotherm, and thermodynamics	Desalination and Water Treatment	2020
22	Removal of phenol and Bisphenol A by immobilized Laccase on poly (Acrylonitrile–co–Styrene/Pyrrole) nanofibers	Separation Science and Technology	2020
23	Development of activated carbon–impregnated alginate*β–cyclodextrin/gelatin beads for highly performance sorption of 2,4–dichlorophenol from wastewater	Journal of Materials Research and Technology	2020
24	Biomedical Wound Healing Application of Nanofiber Comprising Polygalacturonic/Hyaluronic Acid Embedded Silver Nanoparticles: In–vitro and In–vivo Studies	Carbohydrate Polymers	2020
25	Alginate based tamoxifen/metal dual core–folate decorated shell: Nanocomposite targeted therapy for breast cancer via ROS–driven NF–κB pathway modulation	International Journal of Biological Macromolecules	2020
26	Development of biocompatible tri–layered nanofibers patches with endothelial cells	European Polymer Journal	2020

	for cardiac tissue engineering		
27	Development of nano-crosslinked polyacrylonitrile ions exchanger particles for dye removal: kinetic, isotherm, and thermodynamic studies	Desalination and Water Treatment	2020
28	Approach of Electrostatic Interaction Based Layer-by-Layer Assembly of Cationic Guar Gum and Poly (Carboxylic acid)	Egyptian Journal of Chemistry	2020
29	<i>Functionalization of Electrospun Poly(Acrylonitrile-co-Styrene/Pyrrole) Copolymer Nanofibers for Using as a High-performance Carrier for Laccase Immobilization</i>	<i>Fibers and Polymers</i>	2020
30	<i>Carboxylated Alginate Hydrogel Beads for Methylene Blue Removal: Formulation, Kinetic and Isothermal Studies</i>	<i>Desalination and Water Treatment</i>	2019
31	Fabrication of polyacrylonitrile/ $\beta$ -cyclodextrin/graphene oxide nanofibers composite as an efficient adsorbent for cationic dye	Environmental Nanotechnology, Monitoring & Management	2019
32	Isothermal, kinetic, and thermodynamic studies on copper adsorption on modified styrene acrylonitrile copolymer	International Journal of Environmental Science and Technology	2019
33	Rhizofiltration system consists of chitosan and natural Arundo donax L. for removal of basic red dye	International journal of biological macromolecules	2018
34	Electrospun Polyvinyl Alcohol Nanofibers Containing Titanium Dioxide for Gas Sensor Applications	Arabian Journal for Science and Engineering	2018
35	Polymerization and characterization of novel poly (Acrylonitrile -co- Styrene/ Pyrrole) nanoparticles: A comparison between microwave and conventional method	Polymers for Advanced Technologies	2018
36	Equilibrium and Kinetic Behaviors of Cationic Dye Decolorization Using Poly (AN-co-Py)/ZrO <sub>2</sub> Novel Nanopolymeric Composites	Advances in Polymer Technology	2018
37	Preparation and characterization of poly (styrene-co-Methacrylic acid) copolymer nanoparticles via precipitation polymerization	Journal of Polymer Research	2017
38	Poly (Acrylonitrile-Co-Methyl Methacrylate) nanoparticles: I. Preparation and Characterization	Arabian Journal of Chemistry	2017
39	Preparation and characterization of chitosan nanofibers containing silver nanoparticles	Journal of Donghua University	2017
40	Synthesis, optimization, and characterization of poly (Styrene-co- Acrylonitrile) copolymer prepared via precipitation polymerization	Advances in Polymer Technology	2017
41	The comparison of the Wnt signaling pathway inhibitor delivered electrospun	Frontiers of Materials Science	2016

	nanoyarn fabricated with two methods for the application of urethroplasty		
42	Fabrication of poly(ester-urethane)urea elastomer/gelatin electrospun nanofibrous membranes for potential applications in skin tissue engineering	RSC Adv	2016
43	Adsorption profile of basic dye onto novel fabricated carboxylated functionalized co-polymer nanofibers	Polymers	2016
44	Electrospun polyvinyl alcohol/ Pluronic F127 blended nanofibers containing titanium dioxide for antibacterial wound dressing	Applied Biochemistry and Biotechnology	2016
45	Synthesis and characterization of surface modified electrospun poly (Acrylonitrile-co- Styrene) nanofibers for dye decolorization	Journal of the Taiwan Institute of Chemical Engineers	2016
46	Development of nano-crosslinked polyacrylonitrile ions exchanger particles for dyes removal	Desalination and water treatment	2016
47	Development of porous alginate microbeads containing silver nanoparticles and their antibacterial efficacy	Advances in Polymer Technology	2016
48	Controlled drug release from cross-linked $\kappa$ -carrageenan/ Hyaluronic acid membranes	International journal of biological macromolecules	2015
49	Novel Trend in Colon Cancer Therapy Using Silver Nanoparticles Synthesized by Honey Bee	Journal of Nanomedicine & Nanotechnology	2015
50	K-carrageenan/Poly vinyl pyrrolidone/polyethylene glycol/silver nanoparticles film for biomedical application	International journal of biological macromolecules	2015
51	$\beta$ -Galactosidase Immobilization onto Poly (Acrylonitrile-Co-Methyl Methacrylate) Nanoparticles	Trends in Biomaterials and Artificial Organs	2015
52	Lactose Hydrolysis Using Immobilized $\beta$ -Galactosidase Enzyme onto Nano-Copolymers Particles	Trends in Biomaterials and Artificial Organs	2014
53	Microencapsulation of lectin anti-cancer agent and controlled release by alginate beads, biosafety approach	International journal of biological macromolecules	2014
54	Synthesis, Characterization, and Antimicrobial Activity of Poly(acrylonitrile-co-methyl methacrylate) with Silver Nanoparticles	Applied Biochemistry and Biotechnology	2013
55	Covalent Immobilization of $\beta$ -galactosidase onto amino functionalized polyvinyl Chloride (PVC) Microspheres: Enzyme immobilization and characterization	Advances in Polymer Technology	2013
56	Antimicrobial activity of carboxymethyl chitosan/polyethylene oxide nanofibers embedded silver nanoparticles	Carbohydrate Polymers	2013

57	Functionalized electrospun nanofibers from poly (AN-co-MMA) for enzyme immobilization	Journal of Molecular Catalysis B: Enzymatic	2013
58	Covalent Immobilization of $\beta$ -galactosidase onto Electrospun Nanofibers of Poly (AN-co-MMA) Copolymer	<i>Applied Polymer Science</i>	2013
59	Electrospinning of Functionalized Copolymer Nanofibers from Poly (Acrylonitrile-co-Methyl methacrylate)	Advances in Polymer Technology	2013
60	Preparation and characterization of imino diacetic acid functionalized alginate beads for removal of contaminants from waste water: I. methylene blue cationic dye model	Desalination and Water Treatment	2012
61	Covalent Immobilization of $\beta$ -Galactosidase onto functionalized PVC Microspheres	Journal of Applied Polymer Science	2012
62	Poly (acrylonitrile-co-methyl methacrylate) nanofibers grafted with bio-nanosilver particles as antimicrobial against multidrug resistant bacteria	African Journal of Biotechnology	2011
63	Affinity Covalent Immobilization of Glucoamylase onto $p$ -Benzoquinone Activated Alginate Beads: I. Beads Preparation and Characterization	Applied Biochemistry and Biotechnology	2011
64	$\beta$ -Galactosidase Covalent Immobilization on the Surface of Alginate Beads and its Application in Lactose Hydrolysis	Deutsche Lebensmittel-Rundschau	2005

### References:

No.	Name	Job	Address	E-Mail	Tel.
1	Mohamed Samir Mohyeldin	Professor	City of Scientific Research and Technological Applications (SRTA-City)	mohyeldinmohamed@gmail.com	00201005318399
2	Marwa El-Kady	Professor	Chemical and Petrochemicals Engineering Department, Engineering Faculty, Egypt-Japan University of Science and Technology, New Borg El-Arab City, Alexandria, Egypt	marwa.f.elkady@gmail.com	00201227209936
	Emad Soliman	Professor	City of Scientific Research and Technological Applications (SRTA-City)	emadasoliman@gmail.com	00201226970546