

MOHAMED S. ELNOUBY

Associate Professor

Head of the Composite and Nanostructured Materials Research Department



City of Scientific Research and Technology Applications (SRTA-City),
Universities and Research Centers District, New Borg El-Arab, 21934
Alexandria, Egypt.

+2034593414 +20.1062078360 melnouby@srtacity.sci.eg

M_nano2050@yahoo.com

CONTENTS

- ❖ [PERSONAL INFORMATION](#)
- ❖ [EDUCATION](#)
- ❖ [LIST OF PUBLICATIONS](#)
- ❖ [RESEARCH INTEREST](#)
- ❖ [TEACHING EXPERIENCE](#)
- ❖ [SOFT SSCILKS](#)
- ❖ [ACTIVITIES](#)
- ❖ [WORK EXPERIENCES](#)
- ❖ [AWARDS](#)
- ❖ [SUPERVISION OF POSTGRADUATE STUDENTS](#)
- ❖ [MEMBERSHIP](#)
- ❖ [LINKS](#)
- ❖ [\(PARTICIPATE IN ADMINISTRATIVE TASKS\) المشاركة في المهام الادارية](#)

EDUCATION**Ph.D. in Material Science**

(Structure Control and Characterization of Tungsten Oxide Nanoparticles by Aqueous Solution Methods), Graduate School of Engineering, Osaka University, Osaka, Japan, 2014.

([doi/10.18910/34455](https://doi.org/10.18910/34455))

M.Sc. in physics

(Preparation and characterization of Nanomaterials for electrochromic applications), Faculty of Science, AL-Azhar University (Assiut), Egypt, 2008.

B.Sc. in Physics

Faculty of Science, AL-Azhar University (Assiut), Egypt, 2003.

AWARDS

Ph.D. scholarship (JICA- JAPAN) April 2011 – April 2014

SELECTED PUBLICATIONS

scopus ID 55917479300

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
AsmaaT. Mohamed , RedaAbdel Hameed, Shahira H. EL-Moslamy , Mohamed Fareid, Mohamad Othman, SamahA. Loutfy, ElbadawyA. Kamoun ; Mohamed Elnouby	Profitable exploitation of biodegradable polymer including chitosan blended potato peels' starch waste as an alternative source of petroleum plastics	2024	Scientific Reports	14			6081		10.1038/s41598-024-55319-8
Taha, Tarek H.; Abu-Saied M.A.; Elnouby, Mohamed ; Hashem, Mohamed, ; Alamri, Saad, ; Desouky, E. A. El; Morsy, Kareem	Profitable exploitation of biodegradable polymer including chitosan blended potato peels' starch waste as an alternative source of petroleum plastics	2024	<i>Biomass Conversion and Biorefinery</i>	14	1		207	215	10.1007/s13399-021-02244-9
EL-Moslamy, Shahira H.; Elnouby, Mohamed S. ; Rezk, Ahmed H.; El-Fakharany, Esmail M	Scaling-up strategies for controllable biosynthetic ZnO NPs using cell free-extract of endophytic Streptomyces albus: characterization, statistical optimization, and biomedical activities evaluation	2023	<i>Scientific Reports</i>	13	1	3200			10.1038/s41598-023-29757-9
Eldesouky, Sahar; Aseel, Dalia G.; Elnouby, Mohamed S. ; Galal, Fatma H.; AL-Farga, Ammar; Hafez, Elsayed E.; Hussein, Hanaa S.	Synthesis of Tungsten Oxide, Iron Oxide, and Copper-Doped Iron Oxide Nanocomposites and Evaluation of Their Mixing Effects with Cyromazine against Spodoptera littoralis (Boisduval)	2023	<i>ACS Omega</i>	8	47		44867	44879	10.1021/acsomega.3c06134
Elnouby, Mohamed S. ; El-Shazly O.; El-Wahidy E.F.; Ramadan, Mervet; Farag A.A.M.; Roushdy N.	Optimized synthesis, structural and electrical enhancement of Zinc sulfide nanoparticles for electrochemical sensor applications	2023	<i>Optik</i>	287		171070			10.1016/j.ijleo.2023.171070
Ashery, Marwa H.; Elsehly E.M.; Elnouby, Mohamed ; EL- aghraby E.M.	Controlled synthesis of MWCNTs/V2O5 nanocomposite by hydrothermal approach for adsorption and photodegradation processes	2023	<i>Water Science and Technology</i>	88	2		392	407	10.2166/wst.2023.217
Marwa H. Ashery , Mohamed Elnouby , E. M. EL-Maghraby and E. M. Elsehly	Structural control of V2O5 nanoparticles via a thermal decomposition method for prospective photocatalytic applications	2023	Beni-Suef University Journal of Basic and Applied Sciences	12	12	1			10.1186/s43088-023-00350-3

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
Elessawy, Noha A.;Toghan, Arafat, ; Elnouby, Mohamed S. ;Alakhras, Abbas I.;Hamad, Hesham A.;Youssef, M. Elsayed	Development and activity enhancement of zirconium/vanadium oxides as micro-heterogeneous ceramic electrocatalyst for ORR in low temperature fuel cell	2023	Ceramics International	49	3		4313	4321	10.1016/j.ceramint.2022.09.316
Abdelmoneim, Hany M. ;Taha, Tarek H.; Elnouby, Mohamed ;AbuShady, Hala Mohamed	Extracellular biosynthesis, OVAT/statistical optimization, and characterization of silver nanoparticles (AgNPs) using Leclercia adecarboxylata THHM and its antimicrobial activity	2022	Microbial Cell Factories	21	1	277			10.1186/s12934-022-01998-9
Ramadan, Mervet; Elnouby, Mohamed S. , El-Shazly O.;El-Wahidy E.F.;Farag A.A.M.;Roushdy N.	Facile fabrication, structural and electrical investigations of cadmium sulfide nanoparticles for fuel cell performance	2022	Materials for Renewable and Sustainable Energy	11	3		277	286	10.1007/s40243-022-00220-5
Abou Alsoaud M.M., Taher M.A., Hamed A.M., Elnouby M.S. , Omer A.M.	Reusable kaolin impregnated aminated chitosan composite beads for efficient removal of Congo red dye: isotherms, kinetics and thermodynamics studies	2022	Scientific Reports	12	1	12972			10.1038/s41598-022-17305-w
Abuzeid, Asmaa M. ;Saafan, Samia A.;Salem, Mohamed Labibc, ; Elnouby, Mohamed S. ;Morsy, Reda	Magnesium and gadolinium doping of superparamagnetic magnetite nanoparticles as T ₂ contrast nanoagents for magnetic resonance imaging	2022	MRS Communications	12	5		944	951	10.1557/s43579-022-00280-8
Gouda, Marwa H.;Elessawy, Noha A.b ; Elnouby, Mohamed ;Ghorab, Mohamed A.;Radwan, Islam Othman;Hashim, Ali;Youssef, M. Elsayed;Santos, Diogo M. F.	Evaluation of sulfonated chitosan-g-sulfonated polyvinyl alcohol/polyethylene oxide/sulfated zirconia composite polyelectrolyte membranes for direct borohydride fuel cells: Solution casting against the electrospun membrane fabrication technique	2022	Frontiers in Materials	9	12	912006			10.3389/fmats.2022.912006
Elessawy N.A., Gouda M.H., Elnouby M. , Taha N.A., Youssef M.E., Santos D.M.F.	Polyvinyl Alcohol/Polyaniline/Carboxylated Graphene Oxide Nanocomposites for Coating Protection of Cast Iron in Simulated Seawater	2022	Polymers	14	9	1791			10.3390/polym14091791
Elessawy N.A., Gouda M.H., Elnouby M. , Ali S.M., Salerno M., Youssef M.E.	Sustainable Microbial and Heavy Metal Reduction in Water Purification Systems Based on PVA/IC Nanofiber Membrane Doped with PANI/GO	2022	Polymers	14	8	1558			10.3390/polym14081558

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
Moustafa M., Abu-Saied M.A., Taha T.H., Elnouby M. , El Desouky E.A., Alamri S., Alrumman S., Shati A., Al-Khatani M., Alghamdii H., Al-Qthanin R., Al-Emam A.	New blends of acrylamide/chitosan and potato peel waste as improved water absorbing polymers for diaper applications	2022	Polymers and Polymer Composites	30					10.1177/09673911221077559
Taha T.H., Abu-Saied M.A., Elnouby M. , Hashem M., Alamri S., Desouky E.A.E., Morsy K.	Profitable exploitation of biodegradable polymer, including chitosan blended potato peels' starch waste as an alternative source of petroleum plastics	2022	Biomass Conversion and Biorefinery						10.1007/s13399-021-02244-9
Moustafa M., Abu-Saied M.A., Taha T.H., Elnouby M. , El Desouky E.A., Alamri S., Shati A., Alrumman S., Alghamdii H., Al-Khatani M., Al-Qthanin R., Al-Emam A.	Preparation and characterization of super-absorbing gel formulated from κ -carrageenan-potato peel starch blended polymers	2021	Polymers	13	24	4308			10.3390/polym13244308
Elessawy N.A., Gouda M.H., Elnouby M.S. , Zahran H.F., Hashem A., Abd El-Latif M.M., Santos D.M.F.	Novel sodium alginate/polyvinylpyrrolidone/tio2 nanocomposite for efficient removal of cationic dye from aqueous solution	2021	Applied Sciences (Switzerland)	11	19	9186			10.3390/app11199186
Sallam E.R., Khairy H.M., Elnouby M.S. , Fetouh H.A.	Sustainable electricity production from seawater using Spirulina platensis microbial fuel cell catalyzed by silver nanoparticles-activated carbon composite prepared by a new modified photolysis method	2021	Biomass and Bioenergy	148		106038			10.1016/j.biombioe.2021.106038
Elnouby M.S. , Taha T.H., Abu-Saied M.A., Alamri S.A., Mostafa Y.S.M., Hashem M.	Green and chemically synthesized magnetic iron oxide nanoparticles-based chitosan composites: preparation, characterization, and future perspectives	2021	Journal of Materials Science: Materials in Electronics	32	8		10587	10599	10.1007/s10854-021-05715-x
Allam F., Elnouby M. , Sabry S.A., El-Khatib K.M., El-Badan D.E.	Optimization of factors affecting current generation, biofilm formation and rhamnolipid production by electroactive Pseudomonas aeruginosa FA17	2021	International Journal of Hydrogen Energy	46	20		11419	11432	10.1016/j.ijhydene.2020.08.070
Moustafa M., Abu-Saied M.A., Taha T., Elnouby M. , El-shafeey M., Alshehri A.G., Alamri S., Shati A., Alrumman S., Alghamdii H., Al-Khatani M.	Chitosan functionalized AgNPs for efficient removal of Imidacloprid pesticide through a pressure-free design	2021	International Journal of Biological Macromolecules	168			116	123	10.1016/j.ijbiomac.2020.12.055

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
Elessawy N., Elkady M., Elnouby M. , Hamad H.	Microwave-assisted synthesis of new Cs doped ZrV2O7 nanorods with remarkably improved visible-light-driven photocatalytic performance	2020	Materials Chemistry and Physics	254		123494			10.1016/j.matchemphys.2020.123494
Taha T.H., Elnouby M.S. , Abu-Saied M.A., Alamri S.	Tested functionalization of alginate-immobilized ureolytic bacteria for improvement of soil cementation and maximizing water retention	2020	RSC Advances	10	36		21350	21359	10.1039/d0ra01734e
Elsayed E.M., Elnouby M.S. , Gouda S.M.H., Elessawy N.A., Santos D.M.F.	Effect of the morphology of tungsten oxide embedded in sodium alginate/polyvinylpyrrolidone composite beads on the photocatalytic degradation of methylene blue dye solution	2020	Materials	13	8	1905			10.3390/MA13081905
Abu-Saied M.A., Elnouby M. , Taha T., El-Shafeey M., Alshehri A.G., Alamri S., Alghamdi H., Shati A., Alrumman S., Al-Kahtani M., Moustafa M.	Potential decontamination of drinking water pathogens through k-carrageenan integrated green bottle fly bio-synthesized silver nanoparticles	2020	Molecules	25	8	1936			10.3390/molecules25081936
Elessawy N.A., El-Sayed E.M., Ali S., Elkady M.F., Elnouby M. , Hamad H.A.	One-pot green synthesis of magnetic fullerene nanocomposite for adsorption characteristics	2020	Journal of Water Process Engineering	34		101047			10.1016/j.jwpe.2019.101047
Taha T.H., Elnouby M.S. , Abu-Saied M.A., Alamri S.	The green exfoliation of graphite waste and its suitability for biosensor applications	2020	RSC Advances	10	16		9347	9355	10.1039/c9ra09602g
Allam F., Elnouby M. , El-Khatib K.M., El-Badan D.E., Sabry S.A.	Water hyacinth (<i>Eichhornia crassipes</i>) biochar as an alternative cathode electrocatalyst in an air-cathode single chamber microbial fuel cell	2020	International Journal of Hydrogen Energy	45	10		5911	5927	10.1016/j.ijhydene.2019.09.164
Elessawy N.A., Elnouby M. , Gouda M., Mohy Eldin M.S., Farag H.A., Konsowa A.H.	Simple Self-assembly Synthesis for Cost-Effective Alkaline Fuel Cell Bi-functional Electrocatalyst Synthesized from Polyethylene Terephthalate Waste Bottles	2020	Journal of Electronic Materials	49	2		1009	1016	10.1007/s11664-019-07684-8

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
Gouda M.H., Elnouby M. , Aziz A.N., Youssef M.E., Santos D.M.F., Elessawy N.A.	Green and Low-Cost Membrane Electrode Assembly for Proton Exchange Membrane Fuel Cells: Effect of Double-Layer Electrodes and Gas Diffusion Layer	2020	Frontiers in Materials	6		337			10.3389/fmats.2019.00337
Al-Hakemy A.Z., Nassr A.B.A.A., Naggar A.H., Elnouby M.S. , Soliman H.M.A.E.-F., Taher M.A.	Facile and simple deposition of cobalt oxide onto oxidized multiwall carbon nanotubes for electrocatalytic oxygen reduction	2020	Journal of Materials Science: Materials in Electronics	31	2		1391	1402	10.1007/s10854-019-02653-7
Elessawy N.A., Elnouby M. , Gouda M.H., Hamad H.A., Taha N.A., Gouda M., Mohy Eldin M.S.	Ciprofloxacin removal using magnetic fullerene nanocomposite obtained from sustainable PET bottle wastes: Adsorption process optimization, kinetics, isotherm, regeneration and recycling studies	2020	Chemosphere	239		124728			10.1016/j.chemosphere.2019.124728
Taha T.H., Abu-Saied M.A., Elnouby M.S. , Hashem M., Alamri S., Mostafa Y.	Designing of pressure-free filtration system integrating polyvinyl alcohol/chitosan-silver nanoparticle membrane for purification of microbe-containing water	2019	Water Science and Technology: Water Supply	19	8		2443	2452	10.2166/ws.2019.126
Omer A.M., Khalifa R.E., Tamer T.M., Elnouby M. , Hamed A.M., Ammar Y.A., Ali A.A., Gouda M., Eldin M.S.M.	Fabrication of a novel low-cost superoleophilic nonanyl chitosan-poly (butyl acrylate) grafted copolymer for the adsorptive removal of crude oil spills	2019	International Journal of Biological Macromolecules	140			588	599	10.1016/j.ijbiomac.2019.08.169
Gareeb R.Y., Elnouby M.S. , Hasan M.A., Ticu S., Popa A., Bungau S., Hafez E.E.	New trend for using the reduced graphene oxide as effective and eco-friendly nematicide	2019	Materiale Plastice	56	1		59	64	10.37358/mp.19.1.5123

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
El Fawal G.F., Abu-Serie M.M., Hassan M.A., Elnouby M.S.	Hydroxyethyl cellulose hydrogel for wound dressing: Fabrication, characterization and in vitro evaluation	2018	International Journal of Biological Macromolecules	111			649	659	10.1016/j.ijbiomac.2018.01.040
Moustafa M., Alamri S., Elnouby M. , Taha T., Abu-Saied M.A., Shati A., Al-Kahtani M., Alrumman S.	Hydrothermal preparation of TiO ₂ -Ag nanoparticles and its antimicrobial performance against human pathogenic microbial cells in water	2018	Biocell	42	3		93	97	10.32604/biocell.2018.07014
Moustafa M., Taha T., Elnouby M. , Abu-Saied M.A., Shati A., Al-Kahtani M., Alrumman S.	Feasible design for electricity generation from chlorella vulgaris using convenient photosynthetic conditions	2018	Biocell	42	1		1	11	10.32604/biocell.2018.07002
El Essawy N.A., Ali S.M., Farag H.A., Konsowa A.H., Elnouby M. , Hamad H.A.	Green synthesis of graphene from recycled PET bottle wastes for use in the adsorption of dyes in aqueous solution	2017	Ecotoxicology and Environmental Safety	145			57	68	10.1016/j.ecoenv.2017.07.014
Nabil M., Elnouby M. , Gayeh N., Sakr A.H., Motaweh H.A.	Enhancement of porous silicon photoluminescence using (Ni) treatment	2017	IOP Conference Series: Materials Science and Engineering	248	1	12001			10.1088/1757-899X/248/1/012001
El Essawy N.A., Konsowa A.H., Elnouby M. , Farag H.A.	A novel one-step synthesis for carbon-based nanomaterials from polyethylene terephthalate (PET) bottles waste	2017	Journal of the Air and Waste Management Association	67	3		358	370	10.1080/10962247.2016.1242517
Al-Hakemy A.Z., Nassr A.B.A.A., Naggar A.H., Elnouby M.S. , Soliman H.M.A.E.-F., Taher M.A.	Electrodeposited cobalt oxide nanoparticles modified carbon nanotubes as a non-precious catalyst electrode for oxygen reduction reaction	2017	Journal of Applied Electrochemistry	47	2		183	195	10.1007/s10800-016-1027-0

Authors	Title	Year	Source Title	Volume	Issue	Art. No.	Page start	Page end	DOI
Moustafa M., Taha T., Elnouby M. , El-Deeb N., Hamad G., Abu-Saied M.A., Alrumman S.	Potential detoxification of aflatoxin b2 using kluveromyces lactis and saccharomyces cerevisiae integrated nanofibers	2017	Biocell	41	3-Feb		67	73	10.32604/biocell.2017.00067
Yassin A.M., Elnouby M. , El-Deeb N.M., Hafez E.E.	Tungsten Oxide Nanoplates; the Novelty in Targeting Metalloproteinase-7 Gene in Both Cervix and Colon Cancer Cells	2016	Applied Biochemistry and Biotechnology	180	4		623	637	10.1007/s12010-016-2120-x
Elnouby M. , Kuruma K., Nakamura E., Abe H., Suzuki Y., Naito M.	Facile synthesis of WO ₃ -H ₂ O square nanoplates via a mild aging of ion-exchanged precursor	2013	Journal of the Ceramic Society of Japan	121	1418		907	911	10.2109/jcersj2.121.907
Soliman H.M.A., Kashyout A.B., El Nouby M.S. , Abosehly A.M.	Effect of hydrogen peroxide and oxalic acid on electrochromic nanostructured tungsten oxide thin films	2012	International Journal of Electrochemical Science	7	1		258	271	
Soliman H.M.A., Kashyout A.B., El Nouby M.S. , Abosehly A.M.	Preparation and characterizations of tungsten oxide electrochromic nanomaterials	2010	Journal of Materials Science: Materials in Electronics	21	12		1313	1321	10.1007/s10854-010-0068-0

Scientific Activities and Experiences:

- ✓ Accepted poster in "Water Management: Future Challenges and Opportunities" developed and implemented by SRTA-City & EPRI 15th November 2021, SRTA-City, Alexandria, Egypt.
- ✓ Attended the 1st meeting of "ecotoxicological Assessment for Small-Scale Wastewater treatment in Rural Communities –AFFROMONITOX" 26th August 2021, Alexandria, Egypt.
- ✓ Member of the organization committee of (Adsorption Water Desalination using MOF Materials) workshop, organized by (SRTA-City & University of Birmingham) Alexandria -, Egypt, 21/11/2018.
- ✓ Published article in the International Conference on Structural, Mechanical and Materials Engineering (ICSMME 2017) Seoul, South Korea 13 – 15 July 2017, article title (Enhancement of porous silicon photoluminescence using (Ni) treatment) published in (IOP Conf. Series: Materials Science and Engineering 248 (2017) 012001)
- ✓ Accepted poster “Novel design of probiotics coated nanofiber membrane for treatment of aflatoxin contaminated water” in the 17th European Congress on Biotechnology, 3-7 July 2016, Krakow, Poland.
- ✓ 5th International Workshop on Applications of Nanoscience and Nanotechnology (IWANN 2015), Jun 16-25, 2015, Bilkent University UNAM, Bilkent, Ankara, Turkey.
- ✓ Oral presentation 1st GEBRI workshop “Nanotechnology and its biological applications" April 20th, 2015, City of Scientific Research and Technological Applications SRTA-City, Alexandria, Egypt.
- ✓ Oral presentation in IUMRS International Conference on Electronic Materials 2012 September 23 (Sun) - 28 (Fri), 2012, Pacifico Yokohama, Yokohama, Japan
- ✓ Oral presentation in The Fourth International Conference on The Characterization and Control of Interfaces for High Quality Advanced Materials (ICCCI 2012), Kurashiki, Japan September 2-5, 2012
- ✓ Workshop on "Advanced Artificial Intelligent: 21 July 2008 Challenges and Solutions" Alexandria, Egypt.
- ✓ US-Egypt Partnership Science & Technology Agreement. Workshop on Synthesis, Characterization and Industrial Applications of Nanoparticles and Nanostructure Materials. 12-16 November 2005.
- ✓ A key project member entitled "Construction of prototype filtration cell is using novel nano-magnetic metal oxide polymeric hybrid membrane for water remediation" projects ID no. 10763, funded by Science & Technology Development Fund (STDF), Egypt, from 12/2014-11/2016.
- ✓ Co-PI of the project entitled "Supercapacitors based on Graphene and Graphene/Metal Oxide Hybrid Nanocomposites for Electrochemical Energy Storage," ID no. 25626, funded by Science & Technology Development Fund (STDF), Egypt, from 11/2017-11/2019.

- ✓ Good Experience in nanomaterials preparation methods (sputtering, electrodeposition, sol-gel, hydrothermal, ball mill, electrospinning, spin coater), characterization techniques (XRD, SEM, TEM, FTIR, Raman, UV-Vis, electrochemical characterization, modeling,...)

WORKE Experiences:

- May 2020 till now an associate professor researcher in the Department of composite and Nanostructured materials research department, Advanced Technology & New Materials Research Institute, City for Scientific Research and Technology Applications, Alexandria, Egypt.
- March 2015 to May 2020 researcher in the Department of composite and Nanostructured materials research department, Advanced Technology & New Materials Research Institute, City for Scientific Research and Technology Applications, Alexandria, Egypt.
- March 2011- March 2014 Ph.D. fellow at Osaka University, Osaka, Japan.
- September 2008 – March 2011: Assistant Researcher in the Department of composite and Nanostructured materials research department, Advanced Technology & New Materials Research Institute, City of Scientific Research and Technology Applications, Alexandria, Egypt.
- December 2004 – September 2008: Research Assistant in the Department of composite and Nanostructured materials research department, Advanced Technology & New Materials Research Institute, City for Scientific Research and Technology Applications, Alexandria, Egypt.

Teaching:

- (Physics-312) (optics) Physics Department Faculty of Science Damanhour University, Egypt, 2018/2019.
- (Physics-308) (computational physics) Physics Department Faculty of Science Damanhour University, Egypt, 2018/2019.
- (Physics-312) (optics) Physics Department Faculty of Science Damanhour University, Egypt, 2019/2020.

Research Interest:

My research has focused on the preparation of controllable and functionalized nanomaterials, as followings:

Materials:

Tungsten oxide nanomaterials were synthesized controllably by aqueous solution methods. The obtained materials were used in various applications, such as; electrochromic, anti-cancer, anti-inflammatory and antibacterial efficacy, and wound treatment.

Several Carbon nanostructures, such as fullerenes, graphene, and carbon nanotubes, were synthesized from waste materials.

Applications:

Electrochemical applications for energy production and energy storage.

Catalysis for fuel cell applications, Microbial fuel cell, Supercapacitors Electrochromic

Medical, pharmaceutical, and bio applications

Anti-cancer anti-inflammatory and antibacterial efficacy wound treatment.

Environmental

Water treatment "waste-treats-waste."

Supervision of Postgraduate Students

No	Student name	Degree	Title	University	Supervisors
1	Nada Ahmed Mahrous	MSc	Preparation And Characterization Of Porous Silicon Nanocomposites For Water Treatment Applications	Damnhour University	Mohamed Elnouby, Marwa Nabil, Housain Motawh
2	Asmaa Mohamed	MSc	Preparation And Characterization Of Iron-Based Nanocomposites For Bio-Imaging Applications	Tanta University	Mohamed Elnouby, Mahmoud Elnomr
3	Fatma Alam	PhD	Recycling of Water hyacinth (Eichhornia crassipes) as an alternative material for advanced applications	Alexandria university	Elnouby, M., El-Khatib, K.M., El-Badan, D.E., Sabry S.A
	Dina Hassan Mohamed Hassan El-Waziri	MSc	Structure control of vanadium oxide nanoparticles by hydrothermal treatment for advanced applications	Alexandria university	M. F. Amara, H.M.A. Soliman, S. Slem

	Noha A. El Essawy	PhD		Alexandria university	Abdelaziz H. Konsowa, Hassan A. Farag
--	----------------------	-----	--	--------------------------	---

SOFT SKILLS

- Language Skills:
- • Fluent in written and spoken English
- • TOEFL IBT 69.
- • Fluent in written and spoken Arabic (mother tongue).
- Computer Skills:
- • Microsoft windows 98 – 10.
- • Microsoft word – Excel – PowerPoint 2000 –2013.
- • Origin.
- • Modeling program (VESTA)
- Other skills:
- * 16-17/12/2009 Attend a (become more effective) - business edge course at EAAC training center Alexandria- Egypt.
- * 1/10/2009-15/12/2009 training course in (small business) at EAAC training center Alexandria- Egypt.

Memberships:

Arab society of materials science (<http://arab-sms.org/>)

بعض من أحدث وأهم المناصب والمشاركات الإدارية

م	المهمة	القرار	التاريخ	ملاحظات
1	رئيس قسم بحوث المواد المؤلفة والنانومترية	99	2024/3/5	الإشراف على الأعمال البحثية (من تجارب عملية ، مشروعات ، تسجيلات) بالقسم
2	عضو لجنة تطوير وإدارة المشروعات البحثية بالمدينة	450	2021/10/3	دعم المشروعات البحثية بالمدينة إداريا وفنيا
3	عضو لجنة نقل المعرفة والتكنولوجيا	130	2019/4/15	نقل وتوطين المعرفة والتكنولوجيا بالمدينة
4	رئيس لجنة متابعة ضمان عمل الأجهزة العملية المركزية الكبرى بالمدينة	222	2020/7/21	خاص بكل الأجهزة العملية المركزية الكبرى بالمدينة
5	رئيس لجنة متابعة ضمان عمل الأجهزة العملية المركزية الكبرى بالمدينة	161	2022/3/2	خاص بكل الأجهزة بالمعاهد البحثية والمعامل المركزية والمراكز التكنولوجية بالمدينة
6	رئيس لجنة التكهين بمعهد التكنولوجيا المتقدمة والمواد الجديدة	460	2021/10/5	خاص بمعهد التكنولوجيا المتقدمة والمواد الجديدة
7	رئيس لجنة التكهين بمعهد التكنولوجيا المتقدمة والمواد الجديدة	662	2022/11/23	خاص بمعهد التكنولوجيا المتقدمة والمواد الجديدة
8	رئيس لجنة البت الفني	411	2021/9/5	خاص بالمشروع رقم (1432) الممول من مكتبة الإسكندرية
9	عضو لجنة الفحص الفني	472	2022/9/4	خاص بالمشروع رقم (45399) الممول من (STDF)
10	عضو لجنة بت فني	411	2022/8/10	خاص بمعهد التكنولوجيا المتقدمة والمواد الجديدة
11	عضو لجنة فحص واستلام	229	2022/4/10	خاص بالمشروع رقم (37265) الممول من (STDF)
12	رئيس لجنة وضع القيمة التقديرية	474	2021/10/10	خاص بتوفير احتياجات المدينة من الزجاجيات والبلاستيكات
13	رئيس لجنة البت فى الاصناف المرفوضة والمنتھية الصلاحيه	610	2021/12/6	البت الفني فى الاصناف المرفوضة بمخازن المدينة
14	عضو لجنة الفحص الفني	190	2022/3/22	خاص بالمشروع رقم (45034) الممول من (STDF)

Links:

<http://srtacity.sci.eg/mohamed-elnouby/>

<https://www.scopus.com/authid/detail.uri?authorId=55917479300>

<http://hdl.handle.net/11094/34455>

PERSONAL DATA

- Date of Birth: 12/07/1980.
- Nationality: Egyptian.
- Gender: Male.
- Marital status: Married.

Reference:

prefix	Name	Relation	Affiliation	contact
<i>Prof.</i>	M Naito	Ph.D. Supervisor	JWRI- Osaka University, Japan	m-naito@jwri.osaka-u.ac.jp
<i>Prof.</i>	H Abe	Supervisor	JWRI- Osaka University, Japan	h-abe@jwri.osaka-u.ac.jp
<i>Prof.</i>	Hassan Shokry	Co-worker	Egypt-Japan University of Science and Technology (E-JUST), Egypt	hassan.shokry@ejust.edu.eg
<i>Prof.</i>	Marwa Elkady	Co-worker	Egypt-Japan University of Science and Technology (E-JUST), Egypt	marwa.elkady@ejust.edu.eg
<i>Prof.</i>	Abd El-Hady Bashir Kashyout,	MSc Supervisor	Advanced Technology & New Materials Research Institute, City of Scientific Research and Technology Applications,(SRTA-City), Egypt.	hady8@Yahoo.com
<i>Prof.</i>	Hesham M. A. Soliman	MSc Supervisor	Advanced Technology & New Materials Research Institute, City of Scientific Research and Technology Applications,(SRTA-City), Egypt.	h.soliman@SRTACity.sci.eg
<i>Prof</i>	Martin Weis	Co-worker	Head of Organic Electronics Laboratory and Vice-dean for Science and Research Faculty of Electrical Engineering and IT Slovak University of Technology in Bratislava	martin.weis@stuba.sk