

CURRICULUM VITAE



PERSONAL DATA

Name	Ehab Abdelhamed Abdelrahman Ahmed
Nationality	Egyptian
Position	Professor of Inorganic and Analytical Chemistry-Chemistry Department- College of Science- Imam Mohammad Ibn Saud Islamic University, Saudi Arabia
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Scientific Name	Ehab A. Abdelrahman
Specialization	Inorganic and Analytical Chemistry
Google Scholar	https://scholar.google.com/citations?user=KKEH1sMAAAAJ&hl=ar
Scopus	https://www.scopus.com/authid/detail.uri?authorId=55516072100
Web of Science	https://www-webofscience-com.sdl.idm.oclc.org/wos/author/record/38482088
Orcid	https://orcid.org/0000-0003-2493-883X
YouTube Channel	https://www.youtube.com/channel/UCr2xwreK0CY2zQh-GyMuDJg
Google Scholar h-index	28
Google Scholar citation	3477
Scopus h-index	28
Scopus citation	3062

EDUCATION

Year	Academic Degree	Institution
25-7-2007	Bachelor of Science (Chemistry, Excellent with honor degree)	Chemistry Department, Faculty of Science, Benha University, Egypt
24-10-2011	Master of Analytical Chemistry	Chemistry Department, Faculty of Science, Benha University, Egypt
24-9-2016	Ph.D. of Inorganic Chemistry	Chemistry Department, Faculty of Science, Benha University, Egypt

WORK EXPERIENCE

Period	Position	Address
13-1-2008: 15-12-2011	Teaching Assistant	Chemistry Department, Faculty of Science, Benha University, Egypt
16-12-2011: 26-10-2016	Assistant Lecturer	Chemistry Department, Faculty of Science, Benha University, Egypt
27-10-2016: 28-12-2021	Assistant professor	Chemistry Department, Faculty of Science, Benha University, Egypt
29-12-2021: 15-9-2022	Associate professor	Chemistry Department, Faculty of Science, Benha University, Egypt
29-9-2022: 19-8-2023	Assistant professor	Chemistry Department- College of Science- Imam Mohammad Ibn Saud Islamic University, Saudi Arabia
20-8-2023: 5-9-2026	Associate professor	Chemistry Department- College of Science- Imam Mohammad Ibn Saud Islamic University, Saudi Arabia
6-9-2026: Until now	Professor	Chemistry Department- College of Science- Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

RESEARCH INTERESTS

- 1- Synthesis of novel metal complexes for studying their biological, antitumor, and catalytic properties.
- 2- Synthesis of nanostructures and their polymeric nanocomposites for water treatment, hydrogen production, and catalysis of reactions.
- 3- Utilization of wastes for the fabrication of some nanostructures for water pollution treatment.
- 4- Development of adsorption technique for the efficient removal of heavy metals and organic pollutants from aqueous media and wastewater.
- 5- Development of photocatalytic degradation technique for the efficient removal of organic pollutants from aqueous media and wastewater.
- 6- Development of analytical procedures for the determination of drugs and heavy metals in real samples.

Scientific prizes

2020&2021&2022&2023&2024: The best 2 % at the level of world scientists, according to the Stanford University classification, USA.

2017-2025: Scientific Excellence, Benha University, Egypt.

2024: Imam Mohammad Ibn Saud Islamic University Excellence Award for Quality of Research Production

Courses Taught

Inorganic chemistry 1 (s and p block elements)	Group theory
Inorganic chemistry 2 (d and f block elements)	General chemistry
Inorganic chemistry 3 (Coordination chemistry)	Nanotechnology
Analytical chemistry 1 (Titration)	Water treatment
Analytical chemistry 2 (Gravimetry)	Practical analytical chemistry
Industrial chemistry	Practical inorganic chemistry
Nuclear and radiation chemistry	Practical general chemistry
Instrumental analysis	Environmental chemistry

Patents:

- [1] Ahmed, E. A. A. *Method of Forming Zinc Oxide/Borate Nanocomposite*. U.S. Patent US12275651B1, published April 15, 2025. Google Patents: <https://patents.google.com/patent/US12275651B1/en>
- [2] Ahmed, E. A. A. *Mesoporous Nanocomposite*. U.S. Patent US12281048B1, published April 22, 2025. Available at: <https://patents.google.com/patent/US12281048B1/en>
- [3] Ahmed, E. A. A. *Method of Producing a Mesoporous Chitosan/NaFeSi₂O₆ Based Nanocomposite*. U.S. Patent US12330137B1, published June 17, 2025. <https://patents.google.com/patent/US12330137B1/en>.
- [4] Ahmed, E. A. A. *Geopolymer Composite for Water Decontamination*. U.S. Patent US12274996B1, published April 15, 2025. <https://patents.google.com/patent/US12274996B1/en>.
- [5] Ahmed, E. A. A. *Nanocomposite for the Immobilization or Degradation of Pollutants*. U.S. Patent US12453951B1, published October 28, 2025. <https://patents.google.com/patent/US12453951B1/en>.
- [6] Ahmed, E. A. A. *CuMg_{0.5}Mn_{1.5}O₄/CuO Nanocomposite Material and Method of Making*. U.S. Patent US12350652B1, published July 8, 2025. <https://patents.google.com/patent/US12350652B1/en>.
- [7] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Nanocomposite for Wastewater Treatment*. U.S. Patent US12459834B1, published November 4, 2025. <https://patents.google.com/patent/US12459834B1/en>.
- [8] Ahmed, E. A. A. *Fabrication of Ca₃Co₄O₉/MgO Nanocomposite Materials Using Pechini Sol-Gel Method*. U.S. Patent US12357962B1, published July 15, 2025. <https://patents.google.com/patent/US12357962B1/en>.
- [9] Ahmed, E. A. A. *Particulate Nanocomposite Material*. U.S. Patent US12421125B1, published September 23, 2025. <https://patents.google.com/patent/US12421125B1/en>.
- [10] Ahmed, E. A. A. *Synthesis of Cobalt Oxide Nanoparticles Using L-Valine as a Fuel*. U.S. Patent US12325643B1, published June 10, 2025. <https://patents.google.com/patent/US12325643B1/en>.
- [11] Ahmed, E. A. A. *PbTiO₃/TiO₂/Zn₂Ti₃O₈ Nanocomposite Material and Method of Preparation Thereof*. U.S. Patent US12357979B1, published July 15, 2025. <https://patents.google.com/patent/US12357979B1/en>.
- [12] Ahmed, E. A. A. *Co₃O₄/CuO/MgO and (Cu_{0.97}Co_{0.03})O/MgO/CoO Nanocomposites and method of pechini sol-gel fabricating*. U.S. Patent US12358810B1, published July 15, 2025. <https://patents.google.com/patent/US12358810B1/en>.
- [13] Ahmed, E. A. A. *Fabrication of SiO₂/Mn₇O₁₂Si/Pb₂SiO₄ Nanocomposites Using Sol-Gel Method*. U.S. Patent US12448295B1, published October 21, 2025. <https://patents.google.com/patent/US12448295B1/en>.
- [14] Ahmed, E. A. A.; Abou-Krishna, M. M. M.; Alhamzani, A. G. A. *Nanocomposite for the Immobilization or Degradation of Pollutants*. U.S. Patent US12453952B1, published October 28, 2025. <https://patents.google.com/patent/US12453952B1/en>.
- [15] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Ca₂Fe₂O₅/CaFe₂O₄/Fe₂O₃ Nanocomposite and Method of Preparation Thereof*. U.S. Patent US12583757B1, published March 24, 2026. <https://patents.google.com/patent/US12583757B1/en>.
- [16] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Multiphase Nanocomposite Material*. U.S. Patent US12508569B1, published December 30, 2025. <https://patents.google.com/patent/US12508569B1/en>.

- [17] Ahmed, E. A. A.; Abou-Krishna, M. M. M.; Alhamzani, A. G.; Mahdy, A.-H. S.; Abd-Elsabour, M.; Aldakhil, A. A. *Method of Synthesizing Testosterone-Based Thiazolidinone Derivatives*. U.S. Patent US12358943B1, published July 15, 2025. <https://patents.google.com/patent/US12358943B1/en>.
- [18] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *NiTiO₃/TiO₂/Ti_{0.936}O₂/Zn₂Ti₃O₈/C Nanocomposite and Method of Preparation Using Sol-Gel/Combustion*. U.S. Patent US12364971B1, published July 22, 2025. <https://patents.google.com/patent/US12364971B1/en>.
- [19] Ahmed, E. A. A.; Abou-Krishna, M. M. M.; Alhamzani, A. G. A. *Multicomponent Nanocomposite Material*. U.S. Patent US12478958B1, published November 25, 2025. <https://patents.google.com/patent/US12478958B1/en>.
- [20] Ahmed, E. A. A. *Calcium Iron Oxide/Magnesium Oxide/Calcium Oxide/Carbon Nanocomposite Material*. U.S. Patent US12478956B1, published November 25, 2025. <https://patents.google.com/patent/US12478956B1/en>.
- [21] Ahmed, E. A. A. *Particulate Nanocomposite Material*. U.S. Patent US12371332B1, published July 29, 2025. <https://patents.google.com/patent/US12371332B1/en>.
- [22] Ahmed, E. A. A.; Algethami, F. K. L. *CaB₂O₄/PbO/CuO/Pb₃O₄/PbB₂O₄/Pb₄O(BO₃)₂ Nanocomposite Material and Method of Making*. U.S. Patent US12486169B1, published December 2, 2025. <https://patents.google.com/patent/US12486169B1/en>.
- [23] Ahmed, E. A. A. *Fabrication of PbO/Co₃O₄/MgO Nanocomposite Material Using Pechini Sol-Gel Method*. U.S. Patent US12465907B1, published November 11, 2025. <https://patents.google.com/patent/US12465907B1/en>.
- [24] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Fe₂TiO₅/Fe_{1.766}O₃/TiO₂/CoFe₂O₄/C Nanocomposite and Method of Preparation Thereof*. U.S. Patent US12435005B1, published October 7, 2025. <https://patents.google.com/patent/US12435005B1/en>.
- [25] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Calcium Titanate/Magnesium Titanate/Carbon-Based Nanocomposite*. U.S. Patent US12454464B1, published October 28, 2025. <https://patents.google.com/patent/US12454464B1/en>.
- [26] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Amorphous silica/cubic Co₃O₄/cubic NiO/C nanocomposite and method of preparation thereof*. U.S. Patent US12454466B1, published October 28, 2025. <https://patents.google.com/patent/US12454466B1/en>.
- [27] Ahmed, E. A. A. *Calcium metaborate/lead tetroxide/magnesium borate/carbon nanocomposite and method of preparation*. U.S. Patent US12544735B1, published February 10, 2026. <https://patents.google.com/patent/US12544735B1/en>.
- [28] Ahmed, E. A. A. *Particulate Nanocomposite Material*. U.S. Patent US12466744B1, published November 11, 2025. <https://patents.google.com/patent/US12466744B1/en>.
- [29] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Nanocomposite Material Fabrication*. U.S. Patent US12453960B1, published October 28, 2025. <https://patents.google.com/patent/US12453960B1/en>.
- [30] Ahmed, E. A. A. *Multiphase Structured Nanocomposite*. U.S. Patent US12453962B1, published October 28, 2025. <https://patents.google.com/patent/US12453962B1/en>.
- [31] Ahmed, E. A. A.; Abdulkhair, B. Y. E. *Synthesis of Zinc Oxide Nanoparticles Using L-Tryptophan as a Fuel*. U.S. Patent US12312250B1, published May 27, 2025. <https://patents.google.com/patent/US12312250B1/en>.

Research Publications

- [1] Safdar, Z., Sumrra, S. H., Xu, G., Abdelrahman, E. A., & Zafar, M. Z. A review on emerging applications of metal organic frameworks and the growing impact of artificial intelligence and machine learning in MOFs design and development. *Coordination Chemistry Reviews*, 561, 217932, 2026. <https://doi.org/10.1016/j.ccr.2026.217932>
- [2] Kumar, K. Y., Alhamzani, A. G., Abdelrahman, E. A., Varghese, A., Prashanth, M. K., & Raghu, M. S. Solvent free lux flood molten salt method for the synthesis of $Gd_2Ru_2O_7/RuS_2$ heterostructure for photocatalytic CO_2 reduction and BPA degradation. *Inorganic Chemistry Communications*, 187, 116394, 2026. <https://doi.org/10.1016/j.inoche.2026.116394>
- [3] Nazir, M. A., Abou-Krishna, M. M., Afzal, S., Ullah, S., Najam, T., Bashir, S., Abdelrahman, E. A., & Shah, S. A. Ni-based electrocatalysts for carbon dioxide reduction reaction: A critical review on recent advances and industrial perspectives. *Separation and Purification Technology*, 397, 138086, 2026. <https://doi.org/10.1016/j.seppur.2026.138086>
- [4] Al-Kadhi, N. S., Aljlil, S. A., Basha, M. T., & Abdelrahman, E. A. Efficient elimination of basic red 9 from wastewater using ceramic metal oxides containing carbon as novel nanohybrids. *Scientific Reports*, 16, 12235, 2026. <https://doi.org/10.1038/s41598-026-47555-x>
- [5] Lakkaboyana, S. K., Muhammad, A., Abdelrahman, E. A., Neeli, K., Venkateswarlu, P., Kalla, R. M. N., & Alhamzani, A. G. Green-engineered CSPVA@CuO–Ag hybrid nanocomposite for methylene blue removal: a comprehensive adsorption study. *International Journal of Environmental Science and Technology*, 23, 2026. <https://doi.org/10.1007/s13762-026-07094-4>
- [6] El-Nahas, S., Abou-Krishna, M. M., Ahmed, R. R., Mohamed, A. E., El-sadek, M. S. A., Abdelrahman, E. A., & Alsoghier, H. M. Economic and viable utilization of cement waste dust for water remediation. *International Journal of Environmental Science and Technology*, 23, 299, 2026. <https://doi.org/10.1007/s13762-026-07071-x>
- [7] Alghanmi, R. M., & Abdelrahman, E. A. Engineering novel ceramic metal oxides with residual carbon for efficient sequestration of Auramine O from wastewater. *Scientific Reports*, 16, 2026. <https://doi.org/10.1038/s41598-026-46542-6>
- [8] Karigar, V. S., Alhamzani, A. G., Bindu, S., Abdelrahman, E. A., Harisha, S., Kumar, K. Y., & Raghu, M. S. Green synthesis of a Ceratophyllum demersum–assisted SrS/Er_2Se_3 Z-scheme heterostructure for efficient electrochemical detection and photocatalytic degradation of acetaminophen. *Inorganic Chemistry Communications*, 188, 116585, 2026. <https://doi.org/10.1016/j.inoche.2026.116585>
- [9] Ahmad, M. S., Abou-Krishna, M. M., Mehtab, M., Khan, R., Haaris, M., Shahid, M., & Abdelrahman, E. A. Targeted adsorption of crystal violet from wastewater using a robust Cd-based metal–organic framework: An economical approach toward wastewater treatment. *Inorganic Chemistry Communications*, 188, 116493, 2026. <https://doi.org/10.1016/j.inoche.2026.116493>
- [10] Syeda Pakeeza Ibrar, Alhamzani, A. G., Al-Hawadi, J. S., Ahmad, K. S., Gupta, R. K., Makawana, B., & Abdelrahman, E. A. Enhancing dual functionality of quaternary metal sulfides by rare-earth doping: A comprehensive comparative study for supercapacitors and water splitting applications. *International Journal of Hydrogen Energy*, 216, 153905, 2026. <https://doi.org/10.1016/j.ijhydene.2026.153905>
- [11] Kumar, K. Y., Alhamzani, A. G., Abdelrahman, E. A., Varghese, A., Prashanth, M. K., & Raghu, M. S. Environmental benign approach for fabrication reduced graphene oxide-CeMnO₃ perovskite hybrid material for efficient overall water splitting. *Diamond and Related Materials*, 164, 113522, 2026. <https://doi.org/10.1016/j.diamond.2026.113522>

- [12] Abd-ElSabour, M., Abou-Krishna, M. M., Alhamzani, A. G., & Abdelrahman, E. A. Sustainable development of ZnO nanoparticles and nanocellulose-modified CPE for electrochemical sensing of tinidazole. *Journal of Materials Science: Materials in Medicine*, 37, 48, 2026. <https://doi.org/10.1007/s10856-026-07010-9>
- [13] Abdelrahman, E. A., Alduaij, O. K., & Shah, R. K. Novel nanocomposites including oxide, carbonate, and hydroxide phases for efficient methylene blue dye adsorption. *Journal of Science: Advanced Materials and Devices*, 11, 101135, 2026. <https://doi.org/10.1016/j.jsamd.2026.101135>
- [14] Asad, Z., Elamin, M. R., Zeeshan, M., Khan, M. Y., Haaris, M., Shahid, M., & Abdelrahman, E. A. Adsorptive sequestration of methylene blue and methyl orange using a zinc-based metal-organic framework: Synthesis, characterization, and mechanistic insights. *Journal of Inorganic and Organometallic Polymers and Materials*, 2026. <https://doi.org/10.1007/s10904-026-04198-9>
- [15] Ouda, A. S., Abou-Krishna, M. M., Abdelrahman, E. A., Gharieb, M., Mokhtar, M. M., Kenawy, S. H., Mobarak, M., & Seliem, M. K. Characterization, physico-mechanical properties, thermal performance, and adsorptive capacity of porous cement blends containing construction and demolition waste: Deep insights into H_3PO_4 activation. *Journal of Building Engineering*, 121, 115644, 2026. <https://doi.org/10.1016/j.jobbe.2026.115644>
- [16] Yasmin, I., Abdelrahman, E. A., Bushra, Khan, D., Rehman, K. U., Syed, F., Khan, S., Al-Dayana, N., Al-Saeedi, S. I., & Majrashi, M. A. A. Discovery and structural elucidation of novel antioxidant Scoparioate A from *Artemisia scoparia* using spectroscopic analysis and DFT computational techniques. *Natural Product Research*, 2026. <https://doi.org/10.1080/14786419.2026.2626523>
- [17] Abdelrahman, E. A., Alhamzani, A. G., Abou-Krishna, M. M., El-Sayyad, G. S., & Abd El-Aziz, S. M. Assessing different extracts of *Laurencia obtusa* algae for the green fabrication of magnetic nanoparticles: their characterization and bioactivities. *Food Chemistry*, 508, 148319, 2026. <https://doi.org/10.1016/j.foodchem.2026.148319>
- [18] Basha, M. T., Alhamzani, A. G., & Abdelrahman, E. A. Engineering novel ceramic metal borates containing carbon for efficient sequestration of Toluidine Blue O from wastewater. *Scientific Reports*, 16, 4526, 2026. <https://doi.org/10.1038/s41598-026-37604-w>
- [19] Abdelrahman, E. A., & Basha, M. T. Novel carbonate, oxide, and hydroxide nanohybrids based on Mg, Ba, and Ca for efficient Safranin O dye adsorption. *Scientific Reports*, 16, 2624, 2026. <https://doi.org/10.1038/s41598-026-36376-7>
- [20] Abdelrahman, E. A., Elamin, M. R., Al-Kadhi, N. S., Shah, R. K., & Alashqar, S. Engineering novel nanocomposites containing multiphase metal borates and carbon for basic blue 41 sequestration from wastewater. *Journal of Science: Advanced Materials and Devices*, 11, 101103, 2026. <https://doi.org/10.1016/j.jsamd.2026.101103>
- [21] Khan, R., Alhamzani, A. G., Zeeshan, M., Khan, M. Y., Shahid, M., & Abdelrahman, E. A. Synergizing structure and function: Cd(II)-pyrazine dicarboxylate MOF for enhanced dye adsorption. *Inorganic Chemistry Communications*, 186, 116111, 2026. <https://doi.org/10.1016/j.inoche.2025.116111>
- [22] Albalawi, K. M., Eissa, M. E., ur Rehman, K., Alissa, M., Ahmed Alghamdi, S., Alshehri, M. A., Aloraini, G. S., Alhegaili, A. S., Abdel-Megid, M., & Abdelrahman, E. A. Advances in TiO_2 -based photocatalysts for environmental remediation: Structural engineering, mechanistic insights, and degradation pathways of organic and inorganic pollutants. *Trends in Environmental Analytical Chemistry*, 49, e00291, 2026. <https://doi.org/10.1016/j.teac.2025.e00291>
- [23] Tariq, A., Alhamzani, A. G., Zeeshan, M., Haaris, M., Muaz, M., Shahid, M., Sama, F., & Abdelrahman, E.

A. From metal nodes to sulfur capture: Design principles and challenges in MOF-based adsorptive desulfurization. Dalton Transactions, Accepted Manuscript, 2026. <https://doi.org/10.1039/D6DT00731G>

[24] Vakil, F., Aldauji, O. K., Afzal, A., Kumar, M., Ansari, A., Shahid, M., & Abdelrahman, E. A. A Zn-based MOF with honeycomb topology for highly efficient iodine uptake from vapor and liquid phases: synthesis, crystal structure, topology and dual-phase sorption performance. CrystEngComm, 28, 1147–1162, 2026. <https://doi.org/10.1039/D6CE00010J>

[25] Abdelrahman, E. A., Elamin, M. R., Shah, R. K., & Al-Kadhi, N. S. Carbon enriched MgO, NiO, and BaCO₃ as novel nanocomposite for facilitated Basic Red 46 sequestration from contaminated wastewater. Journal of the Indian Chemical Society, 103, 102398, 2026. <https://doi.org/10.1016/j.jics.2026.102398>

[26] Al-Kadhi, N. S., Abdelrahman, E. A., & Shah, R. K. Efficient basic red 46 dye removal using smart novel nanocomposite. Journal of the Indian Chemical Society, 103, 102369, 2026. <https://doi.org/10.1016/j.jics.2025.102369>

[27] Al-Wasidi, A. S., & Abdelrahman, E. A. Pechini derived novel nanocomposites for efficient and reusable crystal violet dye remediation. Journal of the Indian Chemical Society, 103, 102373, 2026. <https://doi.org/10.1016/j.jics.2025.102373>

[28] Abd-Elsabour, M., Abou-Krishna, M. M., Alhamzani, A. G., & Abdelrahman, E. A. Green synthesis of CoFe₂O₄@g-C₃N₄ hybrid nanocomposite for electrochemical detection of morphine in biological fluids. Journal of Inorganic and Organometallic Polymers and Materials, 2025. <https://doi.org/10.1007/s10904-025-04108-5>

[29] Al-Kadhi, N. S., Abdelrahman, E. A., & Shah, R. K. Innovative synthesis of hybrid nanocomposites based on strontium chromate for malachite green dye removal from aqueous media. International Journal of Environmental Science and Technology, 23, 34, 2026. <https://doi.org/10.1007/s13762-025-06812-8>

[30] Vinoth, S. K., Alhamzani, A. G., Abou-Krishna, M. M., Abdelrahman, E. A., Aljlil, S. A., Varghese, A., Raghu, M. S., & Kumar, K. Y. Upcycling waste plastics into rGO-Yb@NiFe₂O₄ hybrid electrodes for high-performance supercapacitors and hydrogen evolution. Diamond and Related Materials, 159, 112898, 2025. <https://doi.org/10.1016/j.diamond.2025.112898>

[31] Tawfik, A. R., Abou-Krishna, M. M., Messali, M., Abdelrahman, E. A., Shamroukh, A. A., Abd-Elsabour, M., & Khodari, M. Spinel cobalt-copper sulfide nanoparticle-based electrochemical sensor for ultrasensitive detection of toxic Cu²⁺ and Hg²⁺ ions. Journal of The Electrochemical Society, 172, 117501, 2025. <https://doi.org/10.1149/1945-7111/ae17ee>

[32] Vinoth, S. K., Alhamzani, A. G., Abou-Krishna, M. M., Abdelrahman, E. A., Aljlil, S. A., Varghese, A., Raghu, M. S., & Kumar, K. Y. Biomass-engineered rGO coupled with ytterbium doped cobalt pyrovanadate: A sustainable electrode material for supercapacitor and OER activity. Diamond and Related Materials, 159, 112901, 2025. <https://doi.org/10.1016/j.diamond.2025.112901>

[33] Ur Rehman, K., Abdelrahman, E. A., Albalawi, K. M., Alissa, M., Alghamdi, A., Alghamdi, S. A., Alhegaili, A. S., Alshehri, M. A., Abou-Krishna, M. M., & Alhamzani, A. G. Thermostable xylanase from Chenopodium album: Thermodynamic and kinetic characterization with sustainable application in agro-industrial biobleaching. Journal of Agricultural and Food Chemistry, 73, 25515–25529, 2025. <https://doi.org/10.1021/acs.jafc.5c05447>

[34] Abd-Elsabour, M., Abou-Krishna, M. M., Alhamzani, A. G., Alotaibi, A. N., & Abdelrahman, E. A. A high-performance biopolymer sensor based on dialdehyde starch-vanadium pentoxide nanocomposite for selective and sensitive voltammetric detection of Pb(II), Cd(II), and Zn(II) ions. Journal of Materials Science: Materials in Electronics, 36, 27, 2025. <https://doi.org/10.1007/s10854-025-15782-z>

- [35] Ameer, S., Abdelrahman, E. A., Batool, F., Batool, A., Akhtar, T., Alhamzani, A. G., & Abou-Krishna, M. M. Bimetallic nanoparticles loaded on waste derived carbon quantum dots: A green approach for degradation of azo dye. *International Biodeterioration & Biodegradation*, 205, 106184, 2025. <https://doi.org/10.1016/j.ibiod.2025.106184>
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2024.

جائزة جامعة الإمام محمد بن سعود الإسلامية للتميز البحثي

ثانياً: فئة جودة الإنتاج البحثي
التخصصات العلمية



المركز الثاني

د. إيهاب عبد الحميد أحمد
كلية العلوم



2024م



شُكْرُ تَقَاتِيهِ



تتقدّم كلية العلوم بجامعة الإمام محمد بن سعود الإسلامية بخالص الشكر والتقدير لسعادة

الدكتور / إيهاب عبدالحميد

وذلك لجهوده المباركة ومساهمته القيّمة في تقديم المحاضرة التثقيفية المجتمعية بعنوان

أهمية المياه وضرورة الحفاظ عليها

سائلين الله له دوام التوفيق والسداد، وأن يجعل ما قدّمه في ميزان حسناته

وكيلة كلية العلوم لشؤون الطالبات

وَلَهُ مِنَّا جَزِيلُ الشُّكْرِ وَالْعِرْفَانِ.

أ.د. عيده بنت سلمان آل فراج

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