

أبحاث العام الدراسي 2024-2025

الدفعة الأولى (45 بحث)

- 1) Sorour, F. H., Aboeleneen, N. M., Abd El-Monem, N. M., Ammar, Y. A., & Mansour, R. A. (2024). Removal of malachite green from wastewater using date seeds as natural adsorbent; isotherms, kinetics, Thermodynamic, and batch adsorption process design. *International Journal of Phytoremediation*, 26(8), 1321-1335.
- 2) Aboeleneen, N. M., AbdelMonem, N. M., & Atef, R. (2025). Effective application of green nano adsorbent on the removal of carbofuran from wastewater. *Chemical Engineering Communications*, 212(2), 235-249.
- 3) Khedr, A. M., Elwakiel, N., Halawia, S. E., & Mansour, R. A. (2024). Adsorption characteristics and applications of andesite in removing some pollutants from wastewater. *Scientific Reports*, 14(1), 15523.
- 4) Elnazer, W. Y., Farrag, T. E., Beheary, M. S., & Mansour, R. A. (2024). Efficient adsorption of amoxicillin onto silica nanoparticles synthesized from rice husks. *Desalination and Water Treatment*, 317, 100086.
- 5) Elabd, R. H., & Megahed, A. A. (2024). Isolation enhancement of a two-orthogonal printed elliptical slot MIMO antenna array with EBG structure for millimeter wave 5G applications. *Discover Applied Sciences*, 6(5), 222.
- 6) Madshal, M. A., El-Damrawi, G., El Baiomy, M., & Behairy, A. (2024). Calcium Silicate Glass Ceramics Containing Chromium Sulfate: Structural, Optical, and Shielding Properties. *Arabian Journal for Science and Engineering*, 49(7), 10147-10161.
- 7) Gadow, H. S., Alayyafi, A. A., Farghaly, T. A., & Eldesoky, A. M. (2024). Corrosion inhibition properties of perimidin-10-one derivatives for steel reinforcement in acidic environments: Experimental and theoretical insights. *International Journal of Electrochemical Science*, 19(5), 100545.
- 8) Toghhan, A., Farag, A. A., Alduaij, O. K., Elabbasy, H. M., Dardeer, H. M., Masoud, E. M., ... & Gadow, H. S. (2024). Electrochemical, gravimetric, quantum chemical and computational investigations on an effective synthetic chlorinated cyclic imide derivative as a corrosion inhibitor for carbon steel in sulfuric acid solution. *Journal of Molecular Structure*, 1307, 138040.
- 9) Elabbasy, H. M., Toghhan, A., & Gadow, H. S. (2024). Cysteine as an eco-friendly anticorrosion inhibitor for mild steel in various acidic solutions: electrochemical, adsorption, surface analysis, and quantum chemical calculations. *ACS omega*, 9(11), 13391-13411.

- 10) Albalawi, M. A., & Gadow, H. (2024). Experimental and theoretical investigations on the use of Corchorus olitorius stem extract as a safe corrosion inhibitor for carbon steel in hydrochloric acid. *Egyptian Journal of Chemistry*, 67(9), 531-574.
- 11) Saleh, Z. M., & Moustafa, A. O. (2024). A class of Multivalent Meromorphic Functions Involving an Integral Operator. *Journal of Fractional Calculus and Applications*, 15(2), 1-6.
- 12) Munasser, B. M., Mostafa, A. O., Sultan, T., EI-Sherbeny, N. A., & Madian, S. M. (2024). Convolution Properties for A Class Defined by q-Al-Oboudi-Derivative Operator. *Al-Azhar Bulletin of Science*, 35(2), 53-56.
- 13) Yehia, A. M., Madian, S. M., & Tharwat, M. M. (2024). Class of Meromorphic Functions Related to New Operator. *Electronic Journal of Mathematical Analysis and Applications*, 12(1), 1-10.
- 14) Nsar, Z., Mostafa, A. O., & Mohamed, S. (2024). On a class of bi-univalent functions of complex order related to Faber polynomials and q-Sălăgean operator. *Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics*, 73(3), 664-673.
- 15) Elhady, S., Bassyouni, M., Elshikhiby, M. Z., Saleh, M. Y., & Elzahar, M. H. (2024). Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent. *Applied Water Science*, 14(7), 159.
- 16) Elhady, S., Bassyouni, M., Elshikhiby, M. Z., Saleh, M. Y., & Elzahar, M. H. (2024). Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater. *Discover Sustainability*, 5(1), 271.
- 17) Selim, T., Elshaarawy, M. K., Elkiki, M., & Eltarabily, M. G. (2024). Estimating seepage losses from lined irrigation canals using nonlinear regression and artificial neural network models. *Applied Water Science*, 14(5), 90.
- 18) Eltarabily, M. G., Amer, A., Farzamian, M., Bouksila, F., Elkiki, M., & Selim, T. (2024). Time-Lapse Electromagnetic Conductivity Imaging for Soil Salinity Monitoring in Salt-Affected Agricultural Regions. *Land*, 13(2), 225.
- 19) Eltarabily, M. G., Amer, A. A., Farzamian, M., Bouksila, F., Elkiki, M., & Selim, T. (2024). Monitoring of Soil Salinity for Precision Management using Electromagnetic Induction Method.
- 20) Eltarabily, M. G., Abd-Elhamid, H. F., Zeleňáková, M., Elshaarawy, M. K., Elkiki, M., & Selim, T. (2023). Predicting seepage losses from lined irrigation canals using machine learning models. *Frontiers in Water*, 5, 1287357.
- 21) Eltarabily, M. G., Elshaarawy, M. K., Elkiki, M., & Selim, T. (2024). Computational fluid dynamics and artificial neural networks for modelling lined irrigation canals with low-density polyethylene and cement concrete liners. *Irrigation and Drainage*, 73(3), 910-927.
- 22) Alghamdi, R. D., Alqarni, L. S., Alghamdi, M. D., Alotaibi, N. F., & Gadow, H. (2024). Experimental and Theoretical Investigations on the Use of Pumpkin Peel as a Sustainable Biomass Anticorrosion Agent for Aluminum in HCl Solutions. *Journal of Chemistry*, 2024(1), 5696212.

- 23) Faheem, H. B., Shorbagy, A. M. E., & Gabr, M. E. (2024). Impact of traffic congestion on transportation system: Challenges and remediations-a review. *Mansoura Engineering Journal*, 49(2), 18.
- 24) Gabr, M. E., Awad, A., & Farres, H. N. (2024). Irrigation water management in a water-scarce environment in the context of climate change. *Water, Air, & Soil Pollution*, 235(2), 127.
- 25) Gabr, M. E., Alhajeri, N., Al-Fadhli, F., & Al Jabri, S. (2024). Aquaponics system for sustainable water, energy, and food nexus: A review. *Port-Said Engineering Research Journal*.
- 26) Elsonbaty, A. (2024, May). An Automated Essay Grading System Based On Text Similarity. *journal of xi'an university of architecture & technology* (Vol. xvi, pp. 84-94).
- 27) Elsonbaty, A. (2024, June). Developing Effective E-learning Platform. *journal of xi'an university of architecture & technology* (Vol. xvi, pp. 98-104).
- 28) Ibrahim, N. F., Aboeleneen, N. M., Abdelmonem, N. M., & Sorour, F. H. Recycling Egyptian rice straw for the production of low-cost building materials for energy conservation.
- 29) Alayyafi, A., Ebqa'ai, M., Alboqai, O., Abotaleb, A., Eldesoky, A., & Shahawy, A. E. (2024). Pollution and health risk assessments related to heavy metals on three prominent beaches in Makkah Province, Kingdom of Saudi Arabia: Concerning levels of cadmium pollution. *Plos one*, 19(10), e0311189.
- 30) El-Gammal, O. A., El-Bindary, A. A., Eldesoky, A. M., & Abd Al-Gader, I. M. (2025). Synthesis, characterization, molecular docking and in vitro antibacterial assessments of anthracene-bis (hydrazine) thiosemicarbazide complexes with Co (II), Ni (II) and Cu (II) ions. *Journal of Molecular Structure*, 1322, 140339.
- 31) Hatata, A. Y., Eiada, R. R., & Alzahrani, T. M. (2024). Enhancement of Active Distribution Network Performance with Multiple Distributed Generators and DSTATCOMs using Reptile Search Algorithm. *International journal of electrical and computer engineering systems*, 15(9), 743-757.
- 32) Elmorsy, M. R., Mohamed, K. S., Rashid, K. O., Abdel-Latif, E., Fadda, A. A., & Tawfik, E. H. (2024). Synthesis of Novel Acetamide, Acrylamide, Pyrazole, and Pyridine Derivatives Comprising Benzothiazole Moiety as Antioxidant Agents. *Russian Journal of General Chemistry*, 94(7), 1826-1836.
- 33) Abou Seedah, A. M., Tolba, E. R., & Galal, E. M. (2024). Numerical study on the stability of a marine causeway by using two different geotechnical reinforcement systems of geotextile. *Port-Said Engineering Research Journal*, 28(1), 1-15.
- 34) Abou Seedah, A. M., Tolba, E. R., & Galal, E. M. (2024). Using geotextile tubes in the core of a marine causeway to improve its stability. *Port-Said Engineering Research Journal*, 28(1), 16-30.

- 35) Elabd, R. H., & Al-Gburi, A. J. A. (2024). Ultra-compact 4-port MIMO antenna with defected ground structure and SAR analysis for 28/38 GHz 5G mobile devices. *Journal of Electromagnetic Waves and Applications*, 38(9), 1000-1025.
- 36) Elabd, R. H., Al-Gburi, A. J. A., Alhassoon, K., Ismail, M. M., & Zakaria, Z. (2024). Low insertion loss open-loop resonator-based microstrip diplexer with high selective for wireless applications. *Bulletin of Electrical Engineering and Informatics*, 13(3), 1594-1601.
- 37) Elabd, R. H., & Al-Gburi, A. J. A. (2024). Low mutual coupling miniaturized dual-band quad-port MIMO antenna array using decoupling structure for 5G smartphones. *Discover Applied Sciences*, 6(4), 189.
- 38) Jemaludin, N. H. B., Al-Gburi, A. J. A., Elabd, R. H., Saeidi, T., Akbar, M. F., Ibrahim, I. M., & Zakaria, Z. (2024). A comprehensive review on MIMO antennas for 5G smartphones: Mutual coupling techniques, comparative studies, SAR analysis, and future directions. *Results in Engineering*, 102712.
- 39) Elabd, R. H., Al-Gburi, A. J. A., Alhassoon, K., Alsayaydeh, J. A. J., Saeidi, T., Mohammed, N. J., & Zakaria, Z. (2024). An Ultra-Selective OLR-based Microstrip Diplexer with Minimal Insertion Loss for Wireless Communication System. *International Journal of Intelligent Engineering & Systems*, 17(2).
- 40) Elabd, R.H., Hussein, A.H., & Megahed, A.A. (2024). Design Of A Wideband Monopole Antenna For Sub 6 Ghz 5G Applications. *2024 41st National Radio Science Conference (NRSC)*, 1, 1-7.
- 41) Mousa, M. E., Shehata, R. E. A., Abdullah, H. H., Kabeel, A. A., Hussein, A. H., & Elabd, R. H. (2024, April). Design of A Voltage-Controlled Oscillator Based on Butterworth Bandpass Filter. In *2024 41st National Radio Science Conference (NRSC)* (Vol. 1, pp. 208-215). IEEE.
- 42) Elabd, R. H., & Abdullah Al-Gburi, A. J. (2024). Design and Optimization of a Circular Ring-Shaped UWB Fractal Antenna for Wireless Multi-Band Applications Using Particle Swarm Optimization. *Progress in Electromagnetics Research B*, 106.
- 43) Elsonbaty, A. A., MRashad, A., Abass, O. Y., Abdelghany, T. Y., & MAlfauimy, A. A Survey of Fused Deposition Modeling (FDM) Technology in 3D Printing.
- 44) Eiada, R. R., & Badran, E. A. (2024, December). Design and Simulation of 72kW Stand-alone PV System for a Gas Charge Station. In *2024 25th International Middle East Power System Conference (MEPCON)* (pp. 1-7). IEEE.
- 45) Elhady, S., Bassyouni, M., Elzahar, M. H., Saleh, M. Y., & Elshikhiby, M. Z. (2024). Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal. *Egyptian Journal of Chemistry*, 67(13), 2033-2043.