



**Sinai University Publications  
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## Documents

- 1) Khamis, A.A.<sup>a</sup>, Ali, E.M.M.<sup>b c</sup>, Salim, E.I.<sup>d</sup>, El-Moneim, M.A.A.<sup>e</sup>  
**Synergistic effects of bee venom, hesperidin, and piperine with tamoxifen on apoptotic and angiogenesis biomarker molecules against xerographic MCF-7 injected rats**  
 (2024) *Scientific Reports*, 14 (1), art. no. 1510, .

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**Publisher:** Nature Research

- 2) Sadeq, M.S.<sup>a b</sup>, Hassan, N.M.<sup>c d</sup>, El-Saftawy, A.A.<sup>e</sup>, Sedqy, E.M.<sup>f</sup>  
**Studies of chemical bonds loss and optical modifications of CR-39 caused by gamma rays**  
 (2024) *Radiation Physics and Chemistry*, 218, art. no. 111537, .

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- 3) Fayed, E.A.<sup>a</sup>, Thabet, A.<sup>a</sup>, El-Gilil, S.M.A.<sup>a</sup>, Elsanhory, H.M.A.<sup>b</sup>, Ammar, Y.A.<sup>c</sup>  
**Fluorinated thiazole-thiosemicarbazones hybrids as potential PPAR- $\gamma$  agonist and  $\alpha$ -amylase,  $\alpha$ -glucosidase antagonists: Design, synthesis, in silico ADMET and docking studies and hypoglycemic evaluation**  
 (2024) *Journal of Molecular Structure*, 1301, art. no. 137374, .

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- 4) Matarneh, S.<sup>a</sup>, Elghaish, F.<sup>b</sup>, Pour Rahimian, F.<sup>c</sup>, Abdellatef, E.<sup>d</sup>, Abrishami, S.<sup>e</sup>  
**Evaluation and optimisation of pre-trained CNN models for asphalt pavement crack detection and classification**  
 (2024) *Automation in Construction*, 160, art. no. 105297, .

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- 5) Babeer, A.M.<sup>a</sup>, Elkelany, E.A.<sup>b</sup>, Mahmoud, A.E.-R.<sup>c</sup>, Amin, H.Y.<sup>d</sup>  
**An investigation of the structural-optical properties of Ni<sup>2+</sup>- bearing borate glass by Li<sub>2</sub>O addition**  
 (2024) *Optical and Quantum Electronics*, 56 (4), art. no. 587, .

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**Publisher:** Springer

- 6) Bawazeer, O.<sup>a</sup>, Sadeq, M.S.<sup>b c</sup>  
**Sm<sub>2</sub>O<sub>3</sub> doping-adjusted radiation shielding properties and optical stability under sunlight irradiation of B<sub>2</sub>O<sub>3</sub>–Na<sub>2</sub>O–Sm<sub>2</sub>O<sub>3</sub>–Fe<sub>2</sub>O<sub>3</sub> glass**  
 (2024) *Radiation Physics and Chemistry*, 217, art. no. 111471, .

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- 7) El-Abassy, O.M.<sup>a</sup>, Maged, K.<sup>b</sup>, El-Henawee, M.M.<sup>c</sup>, Abd El-Hay, S.S.<sup>c</sup>  
**Development of eco-friendly spectrophotometric methods for analysis of metformin hydrochloride and linagliptin in presence of metformin toxic impurity in their pure and dosage forms: Validation, practicality and greenness studies**  
 (2024) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 309, art. no. 123844, .

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**Exploration of doping-dependent structural, optical, and electrical properties of thermally evaporated CdSe thin films for improved photodetection performance**  
 (2024) *Journal of Alloys and Compounds*, 976, art. no. 173052, .

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**Anti-inflammatory Influence of Trans-anethole on The Cardiac Regenerative Capacity in Myocardial Ischemia/Reperfusion Injuries**  
 (2024) *Egyptian Journal of Chemistry*, 67 (3), pp. 309-321.

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- 10) Alsaif, N.A.M.<sup>a</sup>, Al-Ghamdi, H.<sup>a</sup>, El-Refaey, A.M.<sup>b</sup>, Sadeq, M.S.<sup>c d</sup>, Shams, M.S.<sup>b e</sup>, Shaaban, S.M.<sup>f</sup>, Mesalam, Y.I.<sup>g h</sup>, Ahmed, E.M.<sup>i</sup>, Rammah, Y.S.<sup>j</sup>, Salem, A.I.<sup>k</sup>, Elsad, R.A.<sup>l</sup>  
**Synthesis, structural, optical properties and dielectric spectroscopy of nickel-doped lead borate glasses**  
 (2024) *Optical and Quantum Electronics*, 56 (3), art. no. 383, .

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- 11) Qushawy, M.<sup>a b</sup>, Soliman, G.M.<sup>a c</sup>, Mortagi, Y.<sup>b</sup>, El-Sherbiny, M.<sup>d e</sup>, Elsherbiny, N.<sup>f g</sup>  
**Development, optimization, and assessment of losartan nano-biosomes to mitigate diabetes-induced microvascular complications in Sprague Dawley rats**  
 (2024) *Journal of Drug Delivery Science and Technology*, 92, art. no. 105295, .

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- 12) Babeer, A.M.<sup>a</sup>, Amin, H.Y.<sup>b</sup>, Mahmoud, A.E.-R.<sup>c</sup>, Sadeq, M.S.<sup>d e</sup>  
**Influence of the La<sub>2</sub>O<sub>3</sub> addition on the structure and optical features of La<sub>2</sub>O<sub>3</sub>-NiO-BaO-B<sub>2</sub>O<sub>3</sub> glass**  
 (2024) *Ceramics International*, 50 (3), pp. 5604-5613.

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**Pyrano-coumarin hybrids as potential antimicrobial agents against MRSA strains: Design, synthesis, ADMET, molecular docking studies, as DNA gyrase inhibitors**  
 (2024) *Journal of Molecular Structure*, 1295, art. no. 136663, .
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- Publisher:** Elsevier B.V.
- 14) Eldin, Z.E.<sup>a</sup>, Dishisha, T.<sup>b</sup>, Sayed, O.M.<sup>c</sup>, Salama, H.M.<sup>d</sup>, Farghali, A.<sup>a</sup>  
**A novel synergistic enzyme-antibiotic therapy with immobilization of mycobacteriophage Lysin B enzyme onto Rif@UiO-66 nanocomposite for enhanced inhaled anti-TB therapy; Nanoenzymotics approach**  
 (2024) *International Journal of Biological Macromolecules*, art. no. 129675, .
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- 15) Yosef, A.M.<sup>a</sup>, Alqarni, R.S.<sup>a</sup>, Sayd, F.Y.<sup>a</sup>, Alhawiti, M.S.<sup>a</sup>, Almahlawi, R.M.<sup>a</sup>, Prabakar, K.<sup>b</sup>, Uthumansha, U.<sup>c</sup>, Alanazi, M.A.<sup>d</sup>, El-Sherbiny, M.<sup>e f</sup>, Elsherbiny, N.<sup>g h</sup>, Qushawy, M.<sup>i j</sup>  
**Preparation and Characterization of Novel Polyelectrolyte Liposomes Using Chitosan Succinate Layered over Chitosomes: A Potential Strategy for Colon Cancer Treatment**  
 (2024) *Biomedicines*, 12 (1), art. no. 126, .
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**Hybrid Whale Optimization and Canonical Correlation based COVID-19 Classification Approach**  
 (2024) *Multimedia Tools and Applications*, .
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**Efficacy of different routes of vitamin B12 supplementation for the treatment of patients with vitamin B12 deficiency: A systematic review and network meta-analysis**

(2024) *Irish Journal of Medical Science*, .

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- Nanostructured Lipid Carriers (NLCs) as Effective Drug Delivery Systems: Methods of Preparation and their Therapeutic Applications**

(2024) *Recent patents on nanotechnology*, 18 (2), pp. 179-189.

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- Optimization of a Solid-Phase Extraction Coupled with a High-Performance Liquid Chromatography and Diode Array Ultraviolet Detection Method for Monitoring of Different Antibiotic Class Residues in Water Samples**
- (2024) *Journal of AOAC International*, 107 (1), pp. 52-60.

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- Linear/nonlinear opto-gamma radiation attenuation hallmarks of high-density lead barium-borate glass blocks containing iron oxide additives**
- (2024) *Journal of Materials Science: Materials in Electronics*, 35 (1), art. no. 70, .

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**Antitumor activity and targeting p53-PUMA mRNA expression by 5-fluorouracil PLGA-lipid polymeric nanoparticles in mouse mammary carcinomas: comparison to free 5-fluorouracil**  
 (2024) *Toxicology Mechanisms and Methods*, .

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- 22) AL-Nemr, A.<sup>a</sup>, Kora, A.N.<sup>b</sup>  
**Effect of core stabilization versus rebound therapy on balance in children with cerebral palsy**  
 (2024) *Acta Neurologica Belgica*, .

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- 23) Babeer, A.M.<sup>a</sup>, Amin, H.Y.<sup>b</sup>, Sayyed, M.I.<sup>c d</sup>, Mahmoud, A.E.-R.<sup>e</sup>, Sadeq, M.S.<sup>f</sup>  
**Impact of the As<sub>2</sub>O<sub>3</sub>/B<sub>2</sub>O<sub>3</sub> ratio on the structure and optical features of As<sub>2</sub>O<sub>3</sub>-NiO-Na<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub> glass**  
 (2024) *Ceramics International*, .

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**Altered brain function and structure in carpal tunnel syndrome: a systematic review and meta-analysis of structural and functional brain imaging**  
 (2024) *Brain Structure and Function*, .

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