



**Sinai University Publications
2024 based on Scopus database
until 1 March 2024**

Documents

- 1) Khamis, A.A.^a, Ali, E.M.M.^{b c}, Salim, E.I.^d, El-Moneim, M.A.A.^e
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, .

^a Biochemistry Division, Chemistry Department, Faculty of Science, Tanta University, Tanta, 31527, Egypt

^b Department of Biochemistry, Faculty of Science, King Abdulaziz University, Jeddah, 21589, Saudi Arabia

^c Chemistry Department, Faculty of Science, Tanta University, Tanta, 31527, Egypt

^d Zoology Department, Faculty of Science, Tanta University, Tanta, Egypt

^e Biochemistry Department, Faculty of Dentistry, Sinai University, North Sinai, Al-Arish, Egypt

Publisher: Nature Research

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

^a Department of Basic Science, Faculty of Engineering, Sinai University – Kantara Branch, Ismailia, 41636, Egypt

^b MEU Research Unit, Middle East University, Amman, Jordan

^c Department of Physics, Faculty of Science, Zagazig University, P.O. Box 44519, Zagazig, Egypt

^d Department of Physics, Faculty of Science, University of Bahrain, PO Box 32038, Zallaq, Bahrain

^e Department of Accelerators and Ion Sources, Nuclear Research Center, Atomic Energy Authority, P. O. 13759, Cairo, Egypt

^f Department of Basic Science, Faculty of Engineering, Sinai University – Arish Branch, Arish, 45511, Egypt

Publisher: Elsevier Ltd

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

^a Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy (Girls), Al-Azhar University, Cairo11754, Egypt

^b Pharmacology & Toxicology Department, Faculty of Pharmacy, Sinai University- Kantara Branch, Ismailia, Egypt

^c Chemistry Department, Faculty of science (Boys), Al-Azhar University, Cairo11884, Egypt

Publisher: Elsevier B.V.

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

^a Faculty of Engineering, Al Ahliyya Amman University, Jordan

^b School of Natural and Built Environment, Queen's University Belfast, Belfast, United Kingdom

^c School of Computing, Engineering & Digital Technologies, Teesside University, Middlesbrough, United Kingdom

^d Department of Electrical Engineering, Faculty of Engineering, Sinai University, El-Arish, 45511, Egypt

^e School of Civil Engineering and Surveying, University of Portsmouth, Portsmouth, United Kingdom

Publisher: Elsevier B.V.

- 5) Babeer, A.M.^a, Elkelany, E.A.^b, Mahmoud, A.E.-R.^c, Amin, H.Y.^d
An investigation of the structural-optical properties of Ni²⁺- bearing borate glass by Li₂O addition
 (2024) *Optical and Quantum Electronics*, 56 (4), art. no. 587, .

^a Department of Physics, College of Science, Jazan University, P.O. Box. 114, Jazan, 45142, Saudi Arabia

^b Basic Science Department, Faculty of Engineering, Sinai University, Al-Arish, 45511, Egypt

^c Ferroelectric and Piezoelectric Lab, Faculty of Science, South Valley University, Qena, Egypt

^d Research and Studies Center, Midocean University, Moroni, 6063, Comoros

Publisher: Springer

- 6) Bawazeer, O.^a, Sadeq, M.S.^{b c}
Sm₂O₃ doping-adjusted radiation shielding properties and optical stability under sunlight irradiation of B₂O₃–Na₂O–Sm₂O₃–Fe₂O₃ glass
 (2024) *Radiation Physics and Chemistry*, 217, art. no. 111471, .

^a Physics Department, Umm Al-Qura University, Saudi Arabia

^b Basic Sciences Department, Faculty of Engineering, Sinai University, Egypt

^c MEU Research Unit, Middle East University, Amman, Jordan

Publisher: Elsevier Ltd

- 7) El-Abassy, O.M.^a, Maged, K.^b, El-Henawee, M.M.^c, Abd El-Hay, S.S.^c
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, .

^a Egyptian Russian University, Faculty of Pharmacy, Pharmaceutical Chemistry Department, Badr City, Cairo, 11829, Egypt

^b Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Sinai University, El-Areesh, Egypt

^c Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Zagazig University, Zagazig, 44519, Egypt

Publisher: Elsevier B.V.

- 8) Wassel, A.R.^{a b}, Mansour, S.A.^c, Mohamed, F.M.^d, El-Mahalawy, A.M.^c
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, .

^a Electron Microscope and Thin Films Department, Physics Research Institute, National Research Centre, 33El – Behouth St., Dokki, Giza, 12622, Egypt

^b Nanotechnology Research Centre (NTRC), The British University in Egypt (BUE), Suez Desert Road, El-Sherouk City, Cairo, 11837, Egypt

^c Thin Films Laboratory, Physics Department, Faculty of Science, Suez Canal University, Ismailia, 41522, Egypt

^d Basic Sciences Department, Faculty of Engineering, Sinai University, Kantra, Egypt

Publisher: Elsevier Ltd

- 9) Hamed, M.O.A.^{a b}, El-Desouky, M.A.^e, Matboli, M.^c, Elhakim, H.K.A.^a, Mahran, N.A.^d
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.

- ^a Department of Chemistry, Biochemistry Division, Faculty of Science, Cairo University, Egypt
^b Department of Chemistry, School of Biotechnology, Badr University in Cairo, Cairo, Badr City, 11829, Egypt
^c Medical Biochemistry and Molecular Biology Department, Faculty of Medicine, Ain Shams University, Cairo, Egypt
^d Department of Biochemistry, Faculty of Dentistry, Sinai University, Kantara, Egypt

Publisher: National Information and Documentation Centre

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

- ^a Department of Physics, College of Science, Princess Nourah Bint Abdulrahman University, P.O. Box 84428, Riyadh, 11671, Saudi Arabia
^b Department of Basic and Applied Science, College of Engineering and Technology, Arab Academy of Science, Technology and Maritime Transport, Smart Village, Giza, Egypt
^c Basic Sciences Department, Faculty of Engineering, Sinai University, Al-Arish, Egypt
^d MEU Research Unit, Middle East University, Amman, Jordan
^e Physics and Mathematical Engineering Department, Faculty of Electronic Engineering, Menoufia University, Menouf, 32952, Egypt
^f Department of Electrical Engineering, College of Engineering, Northern Border University, Arar, 1321, Saudi Arabia
^g Department of Industrial Engineering, College of Engineering, Northern Border University, Arar, 1321, Saudi Arabia
^h Industrial Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, 44519, Egypt
ⁱ Department of Physics, College of Science, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia
^j Department of Physics, Faculty of Science, Menoufia University, Shebin El-Koom, 32511, Egypt
^k Department of Electrical Engineering, Faculty of Engineering, Damanhur University, Damanhur, Egypt
^l Basic Engineering Science Department, Faculty of Engineering, Menoufia University, Shebin El-Koom, 32511, Egypt

Publisher: Springer

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

- ^a Department of Pharmaceutics, Faculty of Pharmacy, University of Tabuk, Tabuk, Saudi Arabia
^b Department of Pharmaceutics, Faculty of Pharmacy, Sinai University, Alarish, North Sinai 45511, Egypt
^c Department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Assiut, 71526, Egypt
^d Department of Basic Medical Sciences, College of Medicine, Almaarefa University, Ad Diriyah 13713, Saudi Arabia
^e Department of Anatomy and Embryology, Faculty of Medicine, Mansoura University, Mansoura, Egypt
^f Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tabuk, Tabuk, Saudi Arabia
^g Department of Biochemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Publisher: Editions de Sante

- 12) Babeer, A.M.^a, Amin, H.Y.^b, Mahmoud, A.E.-R.^c, Sadeq, M.S.^{d e}
Influence of the La₂O₃ addition on the structure and optical features of La₂O₃-NiO-BaO-B₂O₃ glass
 (2024) *Ceramics International*, 50 (3), pp. 5604-5613.

- ^a Physics Department, Faculty of Science, Jazan University, Jazan, Saudi Arabia
^b Research & Studies Center, Midocean University, Moroni, 6063, Comoros
^c Ferroelectric & Piezoelectric Lab, Faculty of Science, South Valley University, Qena, 83523, Egypt
^d Basic Science Department, Faculty of Engineering, Sinai University, Egypt
^e MEU Research Unit, Middle East University, Amman, Jordan

Publisher: Elsevier Ltd

- 13) Fayed, E.A.^a, Ebrahim, M.A.^a, Fathy, U.^b, Elawady, A.M.^a, Khalaf, W.S.^c, Ramsis, T.M.^d
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, .
- ^a Department of Pharmaceutical Organic Chemistry, Faculty of Pharmacy (Girls), Al-Azhar University, Cairo, 11754, Egypt
^b Applied Organic Chemistry Department, National Research Centre, 33 El Bohouth st. (former EL Tahrir st.), Dokki-Giza, P.O. 12622, Egypt
^c Department of Microbiology and Immunology, Faculty of Pharmacy (Girls), Al-Azhar University, Nasr City, Cairo, 11754, Egypt
^d Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Sinai University, Kantara Branch, Ismailia, 41636, Egypt
- Publisher:** Elsevier B.V.
- 14) Eldin, Z.E.^a, Dishisha, T.^b, Sayed, O.M.^c, Salama, H.M.^d, Farghali, A.^a
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, .
- ^a Materials Science and Nanotechnology Department, Faculty of Postgraduate Studies for Advanced Sciences, Beni-Suef University, Beni-Suef, 62511, Egypt
^b Department of Pharmaceutical Microbiology and Immunology, Faculty of Pharmacy, Beni-Suef University, Beni-Suef, 62511, Egypt
^c Department of Pharmaceutics, Faculty of Pharmacy, Sinai University—Kantara Branch, Ismailia, 41636, Egypt
^d Department of Chemistry, Faculty of Science, Port Said University, Port Said, Egypt
- Publisher:** Elsevier B.V.
- 15) Yosef, A.M.^a, Alqarni, R.S.^a, Sayd, F.Y.^a, Alhawiti, M.S.^a, Almahlawi, R.M.^a, Prabakar, K.^b, Uthumansha, U.^c, Alanazi, M.A.^d, El-Sherbiny, M.^{e,f}, Elsherbiny, N.^{g,h}, Qushawy, M.^{i,j}
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, .
- ^a Pharm. D Program, Faculty of Pharmacy, University of Tabuk, Tabuk, 71491, Saudi Arabia
^b Department of Pharmacy Practice, Faculty of Pharmacy, University of Tabuk, Tabuk, 71491, Saudi Arabia
^c Department of Pharmaceutics, Crescent School of Pharmacy, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, 600048, India
^d Department of Family and Community Medicine, Faculty of Medicine, University of Tabuk, Tabuk, 71491, Saudi Arabia
^e Department of Basic Medical Sciences, College of Medicine, AlMaarefa University, Riyadh, 13713, Saudi Arabia
^f Department of Anatomy and Embryology, Faculty of Medicine, Mansoura University, Mansoura, 35516, Egypt
^g Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tabuk, Tabuk, 71491, Saudi Arabia
^h Department of Biochemistry, Faculty of Pharmacy, Mansoura University, Mansoura, 35516, Egypt
ⁱ Department of Pharmaceutics, Faculty of Pharmacy, University of Tabuk, Tabuk, 71491, Saudi Arabia
^j Department of Pharmaceutics, Faculty of Pharmacy, Sinai University, Alarish, North Sinai, 45511, Egypt
- Publisher:** Multidisciplinary Digital Publishing Institute (MDPI)
- 16) Abdellatef, E.^a, Allah, M.I.F.^b
Hybrid Whale Optimization and Canonical Correlation based COVID-19 Classification Approach
 (2024) *Multimedia Tools and Applications*, .
- ^a Department of Electrical Engineering, Faculty of Engineering, Sinai University, El Arish, 45511, Egypt
^b Department of Electrical Engineering, Faculty of Engineering, Suez University, Suez, 43221, Egypt

Publisher: Springer

- 17) Abdelwahab, O.A.^{a b}, Abdelaziz, A.^{a b}, Diab, S.^{a c}, khazragy, A.^{a d}, Elboraay, T.^{a e}, Fayad, T.^{a f}, Diab, R.A.^{a g}, Negida, A.^{a e h i}

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*, .

^a Medical Research Group of Egypt, Cairo, Egypt

^b Faculty of Medicine, Al-Azhar University, Cairo, Egypt

^c Faculty of Medicine, Ain Shams University, Cairo, Egypt

^d Faculty of Medicine, Alexandria University, Alexandria, Egypt

^e Faculty of Medicine, Zagazig University, Zagazig, Egypt

^f Faculty of Oral and Dental Medicine, Sinai University, Sinai, Egypt

^g Faculty of Medicine, Al-Azhar University for Girls, Cairo, Egypt

^h School of Pharmacy and Biomedical Sciences, University of Portsmouth, Portsmouth, United Kingdom

ⁱ Department of Global Health and Social Medicine, Harvard Medical School, Boston, MA, United States

Publisher: Springer Science and Business Media Deutschland GmbH

- 18) Alatawi, H.M.^a, Alhwiti, S.S.^a, Alsharif, K.A.^a, Albalawi, S.S.^a, Abusaleh, S.M.^a, Srour, G.K.^a, Qushawy, M.^{b c}
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.

^a Pharm D program, Faculty of Pharmacy, University of TabukTabuk, Saudi Arabia

^b Department of Pharmaceutics, Faculty of Pharmacy, University of TabukTabuk 71491, Saudi Arabia

^c Department of Pharmaceutics, Faculty of Pharmacy, Sinai UniversityNorth Sinai 45511, Egypt

- 19) Mahmoud, R.A.^a, Hadad, G.M.^b, Abdel Salam, R.A.^b, Mokhtar, H.I.^c
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.

^a Medical Union Pharmaceuticals Co., R and D-Methodology and Stability Department, Abu Sultan, Ismailia, 41617, Egypt

^b Suez Canal University, Faculty of Pharmacy, Pharmaceutical Analytical Chemistry Department, Ismailia, 41522, Egypt

^c Sinai University-Kantara Branch, Faculty of Pharmacy, Pharmaceutical Chemistry Department41636, Egypt

Publisher: Oxford University Press

- 20) Al-Ghamdi, H.^a, Alsaif, N.A.M.^a, Khattari, Z.Y.^b, Shaaban, S.M.^c, El-Refaey, A.M.^d, Elsad, R.A.^e, Shams, M.S.^{d f}, Rammah, Y.S.^g, Abdelghany, A.M.^h, Sadeq, M.S.^{i j}
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, .

^a Department of Physics, College of Science, Princess Nourah Bint Abdulrahman University, P.O. Box 84428, Riyadh, 11671, Saudi Arabia

^b Department of Physics, Faculty of Science, The Hashemite University, P. O. Box 330127, Zarqa, 13133, Jordan

^c Department of Electrical Engineering, College of Engineering, Northern Border University, Arar, 1321, Saudi Arabia

^d Department of Basic and Applied Science, Collage of Engineering and Technology, Arab Academy of Science, Technology and Maritime Transport, Smart Village, Giza, Egypt

^e Basic Engineering Science Department, Faculty of Engineering, Menoufia University, Shebin El-Koom, 32511, Egypt

^f Physics and Mathematical Engineering Department, Faculty of Electronic Engineering, Menoufia University, Menouf, 32952, Egypt

- ^g Department of Physics, Faculty of Science, Menoufia University, Shebin El-Koom, 32511, Egypt
^h Spectroscopy Department, Physics Division, National Research Center, 33 Elbehouth St., Dokki, Giza, 12311, Egypt
ⁱ Basic Sciences Department, Faculty of Engineering, Sinai University, Al-Arish, Egypt
^j MEU Research Unit, Middle East University, Amman, Jordan

Publisher: Springer

- 21) Alsharif, S.T.^a, Gardouh, A.M.^{b c}, Mandour, M.F.^d, Alaqais, Z.M.^a, Alharbi, L.K.^a, Almarwani, M.J.^a, Mokhtar, H.I.^e, Hisham, F.A.^f, Abdellah, M.M.^{g h}, Mohamed, G.M.ⁱ, Shorog, E.M.^j, Almaeen, A.H.^k, Atteia, H.H.^{l m}, Zaitone, S.A.^{n o}
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*, .

- ^a PharmD program, Faculty of Pharmacy, University of Tabuk, Tabuk, Saudi Arabia
^b Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt
^c Department of Pharmaceutical Sciences, Faculty of Pharmacy, Jadara University, Irbid, Jordan
^d Department of Clinical Pathology, Faculty of Medicine, Suez Canal University, Ismailia, Egypt
^e Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Sinai University-Kantara Branch, Ismailia, Egypt
^f Department of Medical Biochemistry and Molecular Biology, Faculty of Medicine, Mansoura University, Mansoura, Egypt
^g Department of Pathology, Faculty of Medicine, Galala University, Suez, Egypt
^h Department of Pathology, Faculty of Medicine, Fayoum University, Fayoum, Egypt
ⁱ Nutrition and Food Science Department, College of Home Economics, Tabuk University, Tabuk, Saudi Arabia
^j Department of Clinical Pharmacy, College of Pharmacy, King Khalid University, Abha, Saudi Arabia
^k Pathology Department, College of Medicine, Jouf University, Jouf, Saudi Arabia
^l Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tabuk, Tabuk, Saudi Arabia
^m Department of Biochemistry, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt
ⁿ Department of Pharmacology and Toxicology, Faculty of Pharmacy, University of Tabuk, Tabuk, Saudi Arabia
^o Department of Pharmacology and Toxicology, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt

Publisher: Taylor and Francis Ltd.

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

- ^a Department of Physical Therapy for Pediatrics, Faculty of Physical Therapy, Cairo University, El-Tahrir St., Giza, 12613, Egypt
^b Department of Physical Therapy for Pediatrics and Pediatric Surgery, Faculty of Physical Therapy, Sinai University, East Qantara, Egypt

Publisher: Springer Science and Business Media Deutschland GmbH

- 23) Babeer, A.M.^a, Amin, H.Y.^b, Sayyed, M.I.^{c d}, Mahmoud, A.E.-R.^e, Sadeq, M.S.^f
Impact of the As₂O₃/B₂O₃ ratio on the structure and optical features of As₂O₃-NiO-Na₂O-B₂O₃ glass
 (2024) *Ceramics International*, .

- ^a Department of Physics, College of Science, Jazan University, P.O. Box. 114, Jazan, 45142, Saudi Arabia
^b Research & Studies Center, Midocean University, Moroni, 6063, Comoros
^c Department of Physics, Faculty of Science, Isra University, Amman, Jordan
^d Renewable Energy and Environmental Technology Center, University of Tabuk, Tabuk, 47913, Saudi Arabia
^e Ferroelectric & Piezoelectric Lab, Faculty of Science, South Valley University, Qena, 83523, Egypt
^f Basic Science Department, Faculty of Engineering, Sinai University, Egypt

Publisher: Elsevier Ltd

- 24) Sobeeh, M.G.^{a b}, Benmelouka, A.^c, Metwally, E.^d, Abuhassira, M.J.^e, Abdeljalil, A.M.^f, Nasr, S.A.^e, El-Helw, G.O.^g, Doheim, M.F.^e
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*, .

^a Department of Physical Therapy for Musculoskeletal Disorders and its Surgery, Faculty of Physical Therapy, Cairo University, Giza, Egypt

^b Department of Physical Therapy for Orthopedics and Orthopedic Surgery, Faculty of Physical Therapy, Sinai University, Ismailia, Egypt

^c Faculty of Medicine, University of Algiers, Algiers, Algeria

^d Al-Azhar Faculty of Medicine, Cairo, Egypt

^e Faculty of Medicine, Alexandria University, Alexandria, Egypt

^f Public Health Department, New Mexico State University, New Mexico, United States

^g Faculty of Medicine, Beni Suf University, Beni Suf, Egypt

Publisher: Springer Science and Business Media Deutschland GmbH

- 25) Doghish, A.S.^{a b}, Zaki, M.B.^c, Eldeib, M.G.^{b d}, Radwan, A.F.^e, Moussa, R.^f, Abdel-Wahab, M.M.^d, Kizilaslan, E.Z.^g, Alhamsry, N.A.A.^c, Ashour, A.E.^h, Elimam, H.^c
The potential relevance of long non-coding RNAs in colorectal cancer pathogenesis and treatment: A review focus on signaling pathways
 (2024) *Pathology Research and Practice*, 253, art. no. 155044, .

^a Department of Biochemistry, Faculty of Pharmacy, Badr University in Cairo (BUC), Cairo, Badr City, 11829, Egypt

^b Biochemistry and Molecular Biology Department, Faculty of Pharmacy (Boys), Al-Azhar University, Cairo, Nasr City, 11231, Egypt

^c Department of Biochemistry, Faculty of Pharmacy, University of Sadat City, Sadat City, 32897, Egypt

^d Department of Biochemistry, Faculty of Pharmacy, Sinai University – Kantara Branch, Ismailia, 41636, Egypt

^e Department of Biochemistry, Faculty of Pharmacy, Egyptian Russian University, Cairo, 11829, Egypt

^f Faculty of Medicine, Helwan University, Cairo, Egypt

^g Medical Faculty, Heinrich-Heine University, Düsseldorf, Germany

^h Department of Pharmacology and Toxicology, Faculty of Pharmacy, King Salman International University, Ras Sudr, South Sinai, Egypt

Publisher: Elsevier GmbH

- 26) Babeer, A.M.^a, Sayyed, M.I.^{b c}, Amin, H.Y.^d, Mahmoud, A.E.-R.^e, Sadeq, M.S.^f
Composition impacts of La₂O₃ on the structure and radiation shielding parameters of NiO–BaO–B₂O₃ glasses
 (2024) *Optical Materials*, 147, art. no. 114622, .

^a Physics Department, Faculty of Science, Jazan University, Jazan, Saudi Arabia

^b Department of Physics, Faculty of Science, Isra University, Amman, Jordan

^c Renewable Energy and Environmental Technology Center, University of Tabuk, Tabuk, 47913, Saudi Arabia

^d Research & Studies Center, Midocean University, Moroni, 6063, Comoros

^e Ferroelectric & Piezoelectric Lab, Faculty of Science, South Valley University, Qena, 83523, Egypt

^f Basic Science Department, Faculty of Engineering, Sinai University, Egypt

Publisher: Elsevier B.V.

- 27) Tiama, T.M.^a, Ibrahim, A.^{b c}, Hassaan, M.Y.^c, Mabied, A.F.^d
The impact of gallium ions on borosilicate glasses for structural, optical and biological applications
 (2024) *Optical and Quantum Electronics*, 56 (1), art. no. 63, .

^a Department of Basic Sciences, October High Institute of Engineering and Technology - OHI, Giza, 6th of October City, Egypt

^b Basic Sciences Department, Faculty of Engineering, Sinai University, El Qantara, Egypt

^c Department of Physics, Faculty of Science, Al-Azhar University, Cairo, Nasr City, 11884, Egypt

^d X-Ray Crystallography Laboratory, Solid State Physics Department, National Research Centre, Giza, Dokki, 12622, Egypt

Publisher: Springer

28) Sadeq, M.S.^{a b}, AlHammad, M.S.^c, Al-Wafi, R.^c

Effect of samarium oxide on the structural and ligand field parameters of iron cations inside sodium borate glass
(2024) *Ceramics International*, 50 (1), pp. 115-125.

^a Basic Sciences Department, Faculty of Engineering, Sinai University, Egypt

^b MEU Research Unit, Middle East University, Amman, Jordan

^c Physics Department, Faculty of Science, King Abdulaziz University, Jeddah, Saudi Arabia

Publisher: Elsevier Ltd

29) Bawazeer, O.^a, Sadeq, M.S.^{b c}

Compositional dependency of transparency, optical and radiation shielding parameters inside Gd₂O₃–Fe₂O₃–Na₂O–SiO₂–B₂O₃ glass
(2024) *Ceramics International*, 50 (1), pp. 159-173.

^a Physics Department, Umm Al-Qura University, Saudi Arabia

^b Basic Sciences Department, Faculty of Engineering, Sinai University, Egypt

^c MEU Research Unit, Middle East University, Amman, Jordan

Publisher: Elsevier Ltd

30) Al-Ghamdi, H.^a, Alsaif, N.A.M.^a, El-Hamalawy, A.A.^b, Ahmed, E.M.^c, Sadeq, M.S.^{d e}, Rammah, Y.S.^b

B₂O₃–P₂O₅–CaO bioactive glasses: Synthesis, physical properties, optical basicity, electronegativity and radiation attenuation competence
(2024) *Radiation Physics and Chemistry*, 214, art. no. 111278, .

^a Department of Physics, College of Science, Princess Nourah Bint Abdulrahman University, P.O. Box 84428, Riyadh, 11671, Saudi Arabia

^b Department of Physics, Faculty of Science, Menoufia University, Shebin El-Koom, 32511, Egypt

^c Department of Physics, College of Science, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

^d Basic Sciences Department, Faculty of Engineering, Sinai University, Al-Arish, Egypt

^e MEU Research Unit, Middle East University, Amman, Jordan

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^a Civil Engineering Department, Benha Faculty of Engineering, Benha University, New Benha, Qalubiya Governorate, P.O. 13512, Benha, Egypt

^b Civil Engineering Department, Benha Faculty of Engineering, Benha University, Benha, Egypt

^c El Arish Faculty of Engineering, Sinai University, Sinai, Egypt

^d Benha Faculty of Engineering, Benha University, Benha, Egypt

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