



Salim Albukhaty

سالم نعمة صالح محمد البخاتي

PROFILE

Pr. Salim Albukhaty is a PhD holder in Nano-Biotechnology with a background in veterinary medicine and public health. He is an accomplished professor of Nanobiotechnology with expertise in various research areas, including the design and fabrication of nanoparticles for anti-cancer drug delivery, electrospun nanofibers for wound dressing, and the green synthesis of metal oxide nanoparticles with antimicrobial properties.

He is particularly interested in the application of nanotechnology in drug delivery and stem cell research. Salim Albukhaty is an active member of several professional associations, including the Middle East Molecular Biology Society (MEMBS), Iran nanotechnology initiative council (INIC), World Academy of Science, Engineering, and Technology (WASET), and the International Center for Genetic Engineering and Biotechnology (ICGEB).

Salim has a wealth of experience in academia and has held various administrative positions within Misan University, Iraq, including serving as the Dean of the Nursing College. He has supervised postgraduate research scholars, published numerous research papers in academic journals, and presented his work at national and international conferences.

His research interests include the synthesis of nanoparticles, their characterization, and their applications in diverse fields, such as drug delivery, wound healing, and antimicrobial activity. Salim Albukhaty has made significant contributions to the scientific community through his research, and his work is well-documented in reputable journals.

For more detailed information, you can refer to his Google Scholar, ResearchGate, and Scopus profiles to explore his publications and research contributions. Salim Albukhaty's work covers a broad spectrum of topics, from nanoparticle synthesis to biomedical applications, making him a valuable contributor to the field of nanobiotechnology.

Google Scholar: https://scholar.google.com/citations?user=_zBwmJAAAAAJ&hl=en

Researchgate: <https://www.researchgate.net/profile/Salim-Albukhaty>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55628883500>

TEACHING EXPERIENCE

Assistant President for Scientific Affairs

University of Manara, Iraq

2024-09 - Present

ADMINISTRATIVE POSITIONS

2017-04-11 - 2019-07-25

Dean of the College of Nursing

2013-12-12 - 2015-09-14

Assistant Dean of the College of Science for Scientific Affairs

2015-09-20 - 2017-04-05

Assistant Dean of the College of Nursing for Academic Affairs

INTERNATIONAL MEMBERSHIPS

CONTACT

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RESEARCH METRICS

h-index (Scopus)	38
h-index (GS)	41
Citations (Scopus)	4545
Citations (GS)	5572
Documents (Scopus)	115
Documents (GS)	150

AWARDS

- Warith Al-Anbiya University Award
- Medal of Creativity and Scientific Excellence
- Al Ain University Award, Iraq 2023-2024
- Al-Khwarizmi Award for Distinguished Research

PATENTS

- Magnetic iron nanoparticles: A new method for transferring brain-derived neurotransmitter genes into neural stem cells

RESEARCH INTERESTS

- synthesis and application of functionalized nano drug carriers



PUBLICATIONS (175)

1. **Enhanced Antimicrobial and Antidiabetic Activities of Matricaria chamomilla and Anastatica hierochuntica Extracts Toward Pathogenic Microorganisms: Phytochemical Profiling and ...**
Foodborne Pathogens and Disease, 11, 2026 | 2026
2. **Bone Marrow Derived Mesenchymal Stem Cells: A Model for Gene Transfection Studies**
Manara-Nova Journal of Sciences 1 (1), 1-10, 2026 | 2026
3. **Antibacterial and biocompatibility potentials of zinc oxide quantum dots via Nd: YAG laser ablation**
Scientific Reports, 2026 | 2026
4. **Polyaniline/Graphene Thin Films: Advanced Preparation Strategies, Structure-Property Relationships, and Emerging Applications**
Journal of Macromolecular Science, Part B, 1-40, 2026 | 2026 | Cited: 2
5. **Application of Super paramagnetic Iron Oxide Nanoparticles in the Diagnosis of Leukemia**
Manara-Nova Journal of Sciences 1 (2), 27-33, 2026 | 2026
6. **Eco-friendly synthesis of silver nanoparticles mediated Crataegus azarolus fruits: Biomedical applications and molecular docking insights**
Nanotechnology Reviews 15 (1), 2026 | 2026
7. **Conductive PANI/ZnO Nanohybrid Photocatalysts: A Simple One-Step Synthesis and Mechanistic Insights into Dye Degradation**
Journal of Macromolecular Science, Part B, 1-22, 2026 | 2026
8. **A new 3D printing milli-fluidic device with integrated nanojunction for on-site colorimetric analysis of iron in water and soil samples**
Chinese Journal of Analytical Chemistry 53 (1), 100475, 2025 | 2025 | Cited: 12
9. **Biogenic synthesized selenium nanoparticles combined chitosan nanoparticles controlled lung cancer growth via ROS generation and mitochondrial damage ...**
Nanotechnology Reviews 14 (1), 20250142, 2025 | 2025 | Cited: 17
10. **Optimized Alginate-Glycerol Nano-hydrogel Composites for Enhanced Methylene Blue Removal: Kinetic and Isotherm Analysis**
Journal of Cluster Science 36 (5), 162, 2025 | 2025 | Cited: 4
11. **Titanium dioxide nanoparticles augment Ciprofloxacin activity via Inhibition of biofilm formation for multidrug resistance bacteria in-vitro and insilco prediction study**
Scientific Reports 15 (1), 18014, 2025 | 2025 | Cited: 23
12. **Targeting of AMPK/MTOR signaling in the management of atherosclerosis: Outmost leveraging**
International Journal of Biological Macromolecules, 142933, 2025 | 2025 | Cited: 26
13. **In-Depth Study of Chemically Electrodeposited Cuprous Oxide (Cu2O) thin Films on ITO Glass**
Plasmonics 20 (1), 431-441, 2025 | 2025 | Cited: 6
14. **Green Synthesis and Antibacterial Activity of Zinc Oxide Nanoparticles Using Rosemary (Salvia rosmarinus) Extract**
Jundishapur Journal of Natural Pharmaceutical Products 20 (20), e165793, 2025 | 2025 | Cited: 4
15. **Nanotechnology-Based Non-Vaccine Prevention and Therapeutics: Advances in Antimicrobial Nanomaterials and Targeted Drug Delivery Systems**
AUIQ Conference Proceedings 1 (1), 2025 | 2025 | Cited: 1
16. **Anti-microbial and anti-hepatitis-A activities of Asphodelus refractus boiss. extract and pure isolated metabolites**
Journal of Molecular Structure 1322, 140597, 2025 | 2025 | Cited: 7
17. **Potential effect of phyto-synthesized silver nanoparticles using Cotula cinerea Del Raw extract on salt tolerance of wheat seeds (Triticum durum desf, Boussellam variety) germination**
Scientific Reports | 2025

18. **Enhanced Physico-Mechanical and Antimicrobial Properties of Nano-Zinc Oxide/Poly (Ethylene Adipate) Nanocomposite Thin Films**
Journal of Macromolecular Science, Part B, 1-24, 2025 | 2025
19. **Magnetically enhanced ZnFe₂O₄ nanocomposite: a promising antibacterial, and antioxidant strategies**
Journal of Sol-Gel Science and Technology 115 (3), 1557-1566, 2025 | 2025 | Cited: 5
20. **Sofosbuvir containing ph-responsive hydrogel microparticulate system: design, characterization, and biocompatibility assessment**
Journal of Pharmaceutical Innovation 20 (6), 286, 2025 | 2025 | Cited: 1
21. **A Study of the Mechanical and Biological Properties of Laser-Generated Nanocomposite Materials**
Plasmonics 20 (12), 12053-12069, 2025 | 2025
22. **Association of pus cells with sperm abnormalities in patients with sub-fertility**
Journal of Advanced Biotechnology and Experimental Therapeutics 9 (1), 41-51, 2025 | 2025
23. **Synthesis, characterization, and evaluation of antibacterial and antioxidant properties of (Ag–NiO) nanocomposite using alternating magnetic field technique**
The European Physical Journal Plus 140 (9), 902, 2025 | 2025 | Cited: 1
24. **Nanomaterial Strategies for High-Performance Solid-State Batteries Beyond Lithium-Ion**
AUIQ Conference Proceedings 1 (1), 3, 2025 | 2025
25. **Analysis of bioaccumulation of multi-elements in commonly consumed medicinal plants with functionalized mesoporous silica nanoparticles using flame atomic spectroscopy**
Analytical Methods in Environmental Chemistry Journal 8 (4), 142-159, 2025 | 2025 | Cited: 1
26. **Electrospun Polyacrylonitrile–Acrylonitrile Butadiene Styrene (PAN–ABS) Nanofibers Decorated With Copper Oxide Nanoparticles: A Highly Effective Sorbent for Fuel Desulfurization**
Journal of Nanotechnology 2025 (1), 1630629, 2025 | 2025 | Cited: 1
27. **Potential effect of phyto-synthesized silver nanoparticles using Cotula cinerea Del Raw extract on salt tolerance of wheat seeds (Triticum durum desf, Boussellam ...)**
Scientific Reports 15 (1), 28061, 2025 | 2025 | Cited: 18
28. **Green synthesis of silver nanoparticles using Trema Orientalis (L.) extract and evaluation of their antibacterial activity**
Green Chemistry Letters and Reviews 18 (1), 2444679, 2025 | 2025 | Cited: 59
29. **Silver Nanoparticles: Insights into Their Physiochemical, Optical, and Electrical Properties a Review**
Plasmonics, 1-17, 2025 | 2025 | Cited: 12
30. **Nano-assisted delivery tools for plant genetic engineering: a review on recent developments**
Environmental Science and Pollution Research 32 (2), 469-484, 2025 | 2025 | Cited: 11
31. **The role of autophagy in Graves disease: knowns and unknowns**
Frontiers in cell and developmental biology 12, 1480950, 2025 | 2025 | Cited: 13
32. **Nano-assisted delivery tools for plant genetic engineering: a review on recent developments**
Environmental Science and Pollution Research | 2024 | Cited: 10
33. **Retraction Note: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution (Scientific Reports, (2024), 14, 1, (1285), 10.1038/s41598-024-52043-1)**
Scientific Reports | 2024
34. **The role of autophagy in Graves disease: knowns and unknowns**
Frontiers in Cell and Developmental Biology | 2024 | Cited: 11
35. **Eco-Friendly Synthesis of Silver Nanoparticles: Principles and Their Antimicrobial Characteristics**
Sustainable Nanoremediation, 253-295, 2024 | 2024 | Cited: 2
36. **Author Correction: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution**
Scientific Reports 14, 4115, 2024 | 2024 | Cited: 2
37. **In-Depth Study of Chemically Electrodeposited Cuprous Oxide (Cu₂O) thin Films on ITO Glass**
Plasmonics | 2024

38. **Evaluate the Levels of Serum Eotaxin-1, Myelin Basic Protein, and Some Immunological and Biochemical Markers in Iraqi Patients with Multiple Sclerosis**
Iraqi Journal of Science, 126-137, 2024 | 2024 | Cited: 4
39. **The Compelling Role of Brain-Derived Neurotrophic Factor Signaling in Multiple Sclerosis: Role of BDNF Activators**
CNS Neuroscience & Therapeutics 30 (12), e70167, 2024 | 2024 | Cited: 33
40. **Protein conjugated superparamagnetic iron oxide nanoparticles for efficient vaccine delivery systems**
Plasmonics 19 (1), 379-388, 2024 | 2024 | Cited: 33
41. **Influence of annealing temperature on structural, morphological, optical, magnetic, and antimicrobial properties of zinc ferrite nanoparticles**
Plasmonics 19 (4), 1753-1763, 2024 | 2024 | Cited: 31
42. **Anti-microbial efficacy of l-glutaminase (EC 3.5.1.2) against multidrug-resistant *Pseudomonas aeruginosa* infection**
The Journal of antibiotics 77 (2), 111-119, 2024 | 2024 | Cited: 29
43. **Iron oxide nanoparticles: The versatility of the magnetic and functionalized nanomaterials in targeting drugs, and gene deliveries with effectual magnetofection**
Journal of Drug Delivery Science and Technology 99, 105838, 2024 | 2024 | Cited: 52
44. **RETRACTED ARTICLE: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution**
Scientific Reports 14 (1), 1285, 2024 | 2024 | Cited: 38
45. **Design, Preparation, and Characterization of Polycaprolactone–Chitosan Nanofibers via Electrospinning Techniques for Efficient Methylene Blue Removal from Aqueous Solutions**
Journal of Composites Science 8 (2), 68, 2024 | 2024 | Cited: 54
46. **Antibacterial and antibiofilm activities of amikacin-conjugated gold Nanoparticles: A promising formulation for contact lens preservation**
Inorganic Chemistry Communications 162, 112286, 2024 | 2024 | Cited: 40
47. **Fabrication, characterization and application of biocompatible nanocomposites: a review**
European Polymer Journal 214, 113187, 2024 | 2024 | Cited: 77
48. **Investigating the Antimicrobial, Antioxidant, and Anticancer Effects of *Elettaria cardamomum* Seed Extract Conjugated to Green Synthesized Silver Nanoparticles by ...**
Plasmonics 19 (3), 1187-1200, 2024 | 2024 | Cited: 52
49. **Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution**
Scientific Reports | 2024
50. **Essential oils pharmacological activity: Chemical markers, biogenesis, plant sources, and commercial products**
Process Biochemistry 144, 112-132, 2024 | 2024 | Cited: 98
51. **Whey protein concentrate hydrolyzed by microbial protease: Process optimization and evaluation of its dipeptidyl peptidase inhibitory activity**
Waste and Biomass Valorization 15 (4), 2259-2271, 2024 | 2024 | Cited: 3
52. **Phytochemical Characteristic Analysis and Biological Activity for *Capparis spinosa* L. Fruit extract**
Rafidain Journal of Science 33 (1), 68-77, 2024 | 2024 | Cited: 6
53. **Electrochemical study of an enhanced platform by electrochemical synthesis of three-dimensional polyaniline nanofibers/reduced graphene oxide thin films for diverse applications**
Scientific Reports 14 (1), 26408, 2024 | 2024 | Cited: 16
54. **Retraction Note: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution**
Scientific Reports 14, 27702, 2024 | 2024
55. **Liposome nanocarriers based on γ oryzanol: preparation, characterization, and in vivo assessment of toxicity and antioxidant activity**
ACS omega 9 (3), 3554-3564, 2024 | 2024 | Cited: 34

56. **Phytochemicals profiling, in vitro and in vivo antidiabetic activity, and in silico studies on Ajuva (L.) Schreb.: A comprehensive approach**
Open Chemistry 22 (1), 20230191, 2024 | 2024 | Cited: 10
57. **Purified L-glutaminase effects against multidrug-resistant *Pseudomonas aeruginosa* in experimental vaginosis model: an immunological and histopathological observation**
Microbial pathogenesis 196, 106949, 2024 | 2024 | Cited: 13
58. **Green Synthesis of Silver Oxide Nanoparticles Using *Plectranthus amboinicus* and *Solanum trilobatum* Extracts as an Eco-friendly Approach: Characterization and Antibacterial Properties**
Journal of Inorganic and Organometallic Polymers and Materials 34 (7), 3191-3211, 2024 | 2024 | Cited: 16
59. **Factors affecting the accumulation and variation of volatile and non-volatile constituents in rosemary, *Rosmarinus officinalis* L.**
Journal of Applied Research on Medicinal and Aromatic Plants 42, 100571, 2024 | 2024 | Cited: 30
60. **Biogenic silver nanoparticles of *Moringa oleifera* leaf extract: Characterization and photocatalytic application**
Nanotechnology Reviews 13 (1), 20240002, 2024 | 2024 | Cited: 31
61. **The classical and non-classical axes of renin-angiotensin system in Parkinson disease: the bright and dark side of the moon**
Ageing Research Reviews 94, 102200, 2024 | 2024 | Cited: 28
62. **Investigation of antibacterial activity and wound healing promotion properties induced by bromelain-loaded silver nanoparticles**
Plasmonics 19 (4), 1903-1916, 2024 | 2024 | Cited: 26
63. **Defective autophagy and autophagy activators in myasthenia gravis: a rare entity and unusual scenario**
Autophagy 20 (7), 1473-1482, 2024 | 2024 | Cited: 29
64. **Au@hydroxyapatite nanocomposite as a novel apoptosis Inducer and NF-KB translocation Inhibitor in prostate cancer cell line**
Inorganic Chemistry Communications | 2024 | Cited: 8
65. **Correction to: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution (Scientific Reports, (2024), 14, 1, (1285), 10.1038/s41598-024-52043-1)**
Scientific Reports | 2024
66. **Green Synthesis of Silver Oxide Nanoparticles Using *Plectranthus amboinicus* and *Solanum trilobatum* Extracts as an Eco-friendly Approach: Characterization and Antibacterial Properties**
Journal of Inorganic and Organometallic Polymers and Materials | 2024
67. **Investigating the Antimicrobial, Antioxidant, and Anticancer Effects of *Elettaria cardamomum* Seed Extract Conjugated to Green Synthesized Silver Nanoparticles by Laser Ablation**
Plasmonics | 2024
68. **Acknowledgment to the Reviewers of Processes in 2022**
2023
69. **Gold nanowires based on photonic crystal fiber by laser ablation in liquid to improve colon biosensor**
Plasmonics, 1-17, 2023 | 2023 | Cited: 29
70. **Biosynthesis of Fe₃O₄ Nanoparticles mediated *Allium cepa* extract: Chemical characterization and antimicrobial applications**
2023 | Cited: 3
71. **Grapevine wood biomass as a new bio-adsorbent for methylene blue: equilibrium, thermodynamic, kinetic, and isotherm analyses, both linear and non-linear**
Desalination and Water Treatment 290, 128-146, 2023 | 2023 | Cited: 4
72. **Synthesis and characterization of TiO₂-(MoO₃)/Al₂O₃ nanocomposite using hydrothermal method for environmental application**
Journal of Nanostructures 13 (1), 104-109, 2023 | 2023 | Cited: 3

73. **Optimization of hydrolysis of whey protein concentrate using trypsin-like microbial protease and evaluation of dipeptidyl peptidase inhibitory activity of the obtained ...**
2023
74. **Comparison of the Efficiency of Titanium and Molybdenum Nanometal Oxides as Adsorbents for Sulfur Compounds in Crude Oil**
Journal of Nanostructures 13 (2), 373-379, 2023 | 2023
75. **Acknowledgment to the Reviewers of Gels in 2022**
Gels 9 (2), 79, 2023 | 2023
76. **Evaluation of cytotoxic activity of Syringodium isoetifolium against human breast cancer cell line - an in silico and in vitro study**
Arabian Journal of Chemistry | 2023 | Cited: 4
77. **Folate-methotrexate loaded bovine serum albumin nanoparticles preparation: an in vitro drug targeting cytokines overwhelming expressed immune cells from rheumatoid arthritis patients**
Animal Biotechnology | 2023
78. **Functionalized SWCNTs@Ag-TiO₂ nanocomposites induce ROS-mediated apoptosis and autophagy in liver cancer cells**
Nanotechnology Reviews | 2023
79. **In Vitro and In Vivo Functional Viability, and Biocompatibility Evaluation of Bovine Serum Albumin-Ingrained Microemulsion: A Model Based on Sesame Oil as the Payload for Developing an Efficient Drug Delivery Platform**
Pharmaceuticals | 2023
80. **Induction of apoptosis and autophagy via regulation of AKT and JNK mitogen-activated protein kinase pathways in breast cancer cell lines exposed to gold nanoparticles loaded with TNF- α and combined with doxorubicin**
Nanotechnology Reviews | 2023
81. **Influence of Cu²⁺ substitution on the structural, optical, magnetic, and antibacterial behaviour of zinc ferrite nanoparticles**
Journal of Saudi Chemical Society | 2023
82. **Investigating the Effects of Biogenic Zinc Oxide Nanoparticles Produced Using Papaver somniferum Extract on Oxidative Stress, Cytotoxicity, and the Induction of Apoptosis in the THP-1 Cell Line**
Biological Trace Element Research | 2023
83. **Liposome Nanocarriers Based on γ Oryzanol: Preparation, Characterization, and In Vivo Assessment of Toxicity and Antioxidant Activity**
ACS Omega | 2023 | Cited: 33
84. **Optimization of hydrolysis of whey protein concentrate using trypsin-like microbial protease and evaluation of dipeptidyl peptidase inhibitory activity of the obtained hydrolyzed product**
Research Square | 2023
85. **Solid lipid nanoparticles for targeted natural and synthetic drugs delivery in high-incidence cancers, and other diseases: Roles of preparation methods, lipid composition, transitional stability, and release profiles in nanocarriers' development**
Nanotechnology Reviews | 2023
86. **Synthesis and Characterization of TiO₂-(MoO₃)/Al₂O₃ Nanocomposite Using Hydrothermal Method for Environmental Application**
Journal of Nanostructures | 2023
87. **The relevant information about the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using the five-question approach (when, where, what, why, and how) and its impact on the environment**
Environmental Science and Pollution Research | 2023
88. **Green Synthesis and Characterization of Silver Nanoparticles Using Flaxseed Extract and Evaluation of Their Antibacterial and Antioxidant Activities**
Applied Sciences 13 (4), 2182, 2023 | 2023 | Cited: 241

89. **Electrospun Polycaprolactone/Chitosan Nanofibers Containing Cordia myxa Fruit Extract as Potential Biocompatible Antibacterial Wound Dressings**
Molecules 28 (6), 2501, 2023 | 2023 | Cited: 95
90. **Evaluation and targeting of amyloid precursor protein (APP)/amyloid beta (A β) axis in amyloidogenic and non-amyloidogenic pathways: A time outside the tunnel**
Ageing Research Reviews 92, 102119, 2023 | 2023 | Cited: 63
91. **Biosynthesis of Zinc Oxide Nanoparticles Using Capparis spinosa L. Fruit Extract: Characterization, Biocompatibility, and Antioxidant Activity**
Applied Sciences 13 (11), 6604, 2023 | 2023 | Cited: 82
92. **Fabrication of a Polycaprolactone/Chitosan Nanofibrous Scaffold Loaded with Nigella sativa Extract for Biomedical Applications**
BioTech 12 (1), 19, 2023 | 2023 | Cited: 57
93. **Investigating the Effects of Biogenic Zinc Oxide Nanoparticles Produced Using Papaver somniferum Extract on Oxidative Stress, Cytotoxicity, and the Induction of**
Biological Trace Element Research 201 (10), 4697-4709, 2023 | 2023 | Cited: 48
94. **Influence of Cu²⁺ substitution on the structural, optical, magnetic, and antibacterial behaviour of zinc ferrite nanoparticles**
Journal of Saudi Chemical Society 27 (5), 101696, 2023 | 2023 | Cited: 49
95. **Chrysin, The Flavonoid Molecule of Antioxidant Interest**
ChemistrySelect 8 (48), e202303306, 2023 | 2023 | Cited: 51
96. **Development of a novel scaffold based on basil seed gum/chitosan hydrogel containing quercetin-loaded zein microsphere for bone tissue engineering**
Journal of Polymers and the Environment 31 (11), 4738-4751, 2023 | 2023 | Cited: 41
97. **Antibacterial activity of green synthesized selenium nanoparticles using Vaccinium arctostaphylos (L.) fruit extract**
Cogent Food & Agriculture 9 (1), 2245612, 2023 | 2023 | Cited: 39
98. **Functionalized SWCNTs@Ag–TiO₂ nanocomposites induce ROS-mediated apoptosis and autophagy in liver cancer cells**
Nanotechnology Reviews 12 (1), 20230127, 2023 | 2023 | Cited: 36
99. **Folate-methotrexate loaded bovine serum albumin nanoparticles preparation: an in vitro drug targeting cytokines overwhelming expressed immune cells from**
Animal Biotechnology 34 (2), 166-182, 2023 | 2023 | Cited: 32
100. **Investigation of structural properties and antibacterial activity of AgO nanoparticle extract from Solanum nigrum/Mentha leaf extracts by green synthesis method**
Green Processing and Synthesis 12 (1), 20230080, 2023 | 2023 | Cited: 41
101. **Graphene oxide-induced, reactive oxygen species-mediated mitochondrial dysfunctions and apoptosis: high-dose toxicity in normal cells**
Nanomedicine 18 (11), 875-887, 2023 | 2023 | Cited: 27
102. **Silver-cored Ziziphus spina-christi extract-loaded antimicrobial nanosuspension: overcoming multidrug resistance**
Nanomedicine 18 (25), 1839-1854, 2023 | 2023 | Cited: 28
103. **Characterization of Silver Carbonate Nanoparticles Biosynthesized Using Marine Actinobacteria and Exploring of Their Antimicrobial and Antibiofilm Activity**
Marine Drugs 21 (10), 536, 2023 | 2023 | Cited: 24
104. **Induction of apoptosis and autophagy via regulation of AKT and JNK mitogen-activated protein kinase pathways in breast cancer cell lines exposed to gold**
Nanotechnology Reviews 12 (1), 20230148, 2023 | 2023 | Cited: 19
105. **In Vitro and In Vivo Functional Viability, and Biocompatibility Evaluation of Bovine Serum Albumin-Ingrained Microemulsion: A Model Based on Sesame Oil as the Payload for**
Pharmaceuticals 16 (4), 582, 2023 | 2023 | Cited: 13
106. **Combined oncolytic virotherapy gold nanoparticles as synergistic immunotherapy agent in breast cancer control**
Scientific Reports 13 (1), 16843, 2023 | 2023 | Cited: 14

107. **Catalytic response and molecular simulation studies in the development of synthetic routes in trimeric triaryl pyridinium type ionic liquids**
Scientific reports 13 (1), 4453, 2023 | 2023 | Cited: 7
108. **Effects of metformin on fibroblast growth factor 21 in patients with type 2 diabetes mellitus: faraway but so close**
The Egyptian Journal of Internal Medicine 35 (1), 65, 2023 | 2023 | Cited: 5
109. **Catalytic, Theoretical, and Biological Investigations of Ternary Metal (II) Complexes Derived from L-Valine-Based Schiff Bases and Heterocyclic Bases**
Molecules 28 (7), 2931, 2023 | 2023 | Cited: 5
110. **Solid lipid nanoparticles for targeted natural and synthetic drugs delivery in high-incidence cancers, and other diseases: Roles of preparation methods, lipid composition ...**
Nanotechnology Reviews 12 (1), 20220517, 2023 | 2023 | Cited: 139
111. **The relevant information about the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using the five-question approach (when, where, what, why, and how) and its ...**
Environmental Science and Pollution Research, doi:10.1007/s11356-022-18868-x7, 2022 | 2022 | Cited: 22
112. **Inhibition of Staphylococcus aureus α -Hemolysin Production Using Nanocurcumin Capped Au@ZnO Nanocomposite**
Bioinorganic Chemistry and Applications | 2022 | Cited: 113
113. **Production and characterization of biocompatible nanofibrous scaffolds made of β -sitosterol loaded polyvinyl alcohol/tragacanth gum composites**
Nanotechnology 33 (8), 085102, 2022 | 2022 | Cited: 19
114. **Valorization of diatomaceous earth as a sustainable eco-coagulant for wastewater treatment: optimization by response surface methodology**
Egyptian Journal of Chemistry 65 (9), 777-788, 2022 | 2022 | Cited: 16
115. **Serum Levels of Interleukin 10, Interleukin 17A, and Calcitriol in Different Groups of Colorectal Cancer Patients**
Jordan Journal of Biological Sciences | 2022 | Cited: 10
116. **Green synthesis of silver nanoparticles using aqueous Citrus limon zest extract: characterization and evaluation of their antioxidant and antimicrobial properties ...**
2022 | Cited: 29
117. **Preparation and characterization of titanium dioxide nanoparticles and in vitro investigation of their cytotoxicity and antibacterial activity against Staphylococcus aureus and Escherichia coli**
Animal Biotechnology | 2022
118. **Extensive Study on Hematological, Immunological, Inflammatory Markers, and Biochemical Profile to Identify the Risk Factors in COVID-19 Patients**
International Journal of Inflammation | 2022 | Cited: 32
119. **Research Article Inhibition of Staphylococcus aureus α -Hemolysin Production Using Nanocurcumin Capped Au@ ZnO Nanocomposite**
2022
120. **<i>In vitro</i> study of antioxidant, antibacterial, and cytotoxicity properties of <i>Cordia myxa</i> fruit extract.**
Iranian journal of microbiology | 2022
121. **Phytochemical analysis, and anti-microbial activities of ethanol extract of Cordia myxa fruit: In vitro study**
Research Journal of Pharmacy and Technology 15 (7), 2871-2876, 2022 | 2022 | Cited: 9
122. **Acknowledgment to Reviewers of Pharmaceuticals in 2021**
Pharmaceuticals 15 (2), 184, 2022 | 2022
123. **Eco-Friendly Synthesis of Carbon Nanoparticles by Laser Ablation in Water and Evaluation of Their Antibacterial Activity**
Journal of Nanomaterials 2022 (7927447), DOI: 10.1155/2022/7927447, 2022 | 2022 | Cited: 57
124. **Recent advances in plant-mediated zinc oxide nanoparticles with their significant biomedical properties**
Bioengineering 9 (10), 541, 2022 | 2022 | Cited: 178

125. **Green synthesis of phosphorous-containing hydroxyapatite nanoparticles (nHAP) as a novel nano-fertilizer: preliminary assessment on pomegranate (Punica granatum L.)**
Nanomaterials 12 (9), 1527, 2022 | 2022 | Cited: 123
126. **Biosynthesis of copper oxide nanoparticles mediated Annona muricata as cytotoxic and apoptosis inducer factor in breast cancer cell lines**
Scientific Reports 12 (1), 16165, 2022 | 2022 | Cited: 213
127. **Green synthesis, characterization, cytotoxicity, and antimicrobial activity of iron oxide nanoparticles using Nigella sativa seed extract**
Green Processing and Synthesis 11 (1), 254-265, 2022 | 2022 | Cited: 79
128. **Green Synthesis of Silver Nanoparticles Using Aqueous Citrus limon Zest Extract: Characterization and Evaluation of Their Antioxidant and Antimicrobial Properties**
Nanomaterials 12 (12), 2013, 2022 | 2022 | Cited: 346
129. **Gold nanoparticles loaded TNF- α and CALNN peptide as a drug delivery system and promising therapeutic agent for breast cancer cells**
Materials Technology 37 (14), 3152-3166, 2022 | 2022 | Cited: 48
130. **In vitro study of antioxidant, antibacterial, and cytotoxicity properties of Cordia myxa fruit extract**
Iranian Journal of Microbiology 14 (1), 97, 2022 | 2022 | Cited: 55
131. **Research Article Eco-Friendly Synthesis of Carbon Nanoparticles by Laser Ablation in Water and Evaluation of Their Antibacterial Activity**
2022
132. **Detection of DNA Damage in the Frozen Chicken Meat from the Baghdad Local Markets Using the Single-cell Gel Electrophoresis Assay under Abusive Storage Conditions**
Journal of Food and Nutrition Research 9 (2), 68-72, 2021 | 2021
133. **Green Fabrication of Zinc Oxide Nanoparticles Using Phlomis Leaf Extract: Characterization and In Vitro Evaluation of Cytotoxicity and Antibacterial Properties**
Molecules 26 (20), 6140, 2021 | 2021 | Cited: 168
134. **Polyethylene Glycol Functionalized Graphene Oxide Nanoparticles Loaded with Nigella sativa Extract: A Smart Antibacterial Therapeutic Drug Delivery System**
Molecules. 2021; 26(11):3067. <https://doi.org/10.3390/molecules26113067> 26 ... 2021 | 2021 | Cited: 186
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