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Publication Metrics

For manuscripts published from date range July 2009 - July 2025

21

H-index

922

Sum of Times Cited

68

Total Publications

59

Web of Science Core Collection Publications

For all time

21

H-index

922

Sum of Times Cited

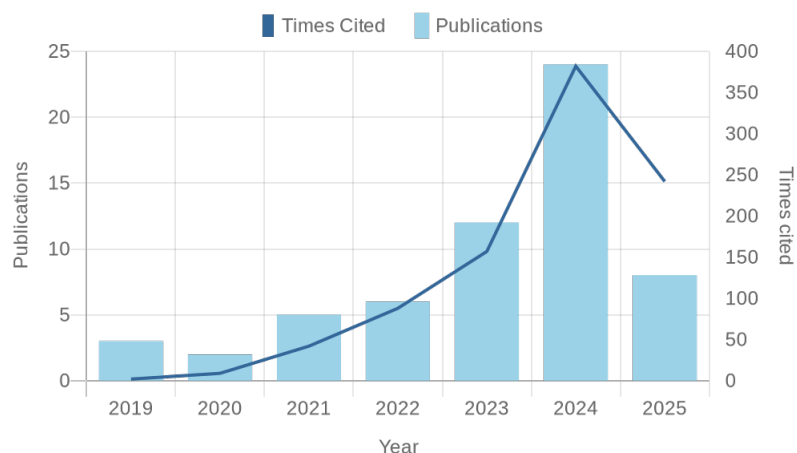
70

Total Publications

60

Web of Science Core Collection Publications

Publication Impact Over Time



Publishing Summary

For manuscripts published from date range July 2009 - July 2025

(7) Journal of Soil Science and Plant ...	(5) BMC Plant Biology
(5) Chemosphere	(4) Plants
(4) Journal of Plant Growth Regulation	(4) Frontiers in Plant Science
(4) Plant Physiology and Biochemist...	(3) Environmental Science and Pollu...
(3) Heliyon	(3) South African Journal of Botany
(3) Ecotoxicology and Environmenta...	(2) Assiut University Bulletin For En...
(2) International Journal of Phytore...	(2) Scientific Reports
(2) Scientia Horticulturæ	(1) Plant Physiology Reports
(1) Current Microbiology	(1) Global Nest Journal
(1) Bioscience Research	(1) Agronomy
(1) Journal of Hazardous Materials	(1) ACS Omega
(1) Journal of Molecular Structure	(1) Egyptian Journal of Phycology
(1) Journal of the Saudi Society of A...	(1) Science of the Total Environment
(1) Functional Plant Biology	(1) Polish Journal of Environmental S...
(1) Horticulturæ	(1) Plant Growth Regulation

Publications

For manuscripts published from date range July 2009 - July 2025 (68)

Times Cited
(All time)

Authors (5): AL-Huqail, Arwa Abdulkreem; Alatawi, Aishah ... Abeed, Amany H. A.

Published: Jun 2025 in Journal of Soil Science and Plant Nutrition

DOI: 10.1007/S42729-025-02375-2

Accession Number: WOS:001463102500001

Alien Euphorbia hirta L. Induces Soil Sickness and Reduces Cover and Diversity of Native Species

1

Authors (8): AL-Huqail, Arwa Abdulkreem; Alghanem, Suliman Mohammed Suliman ... Hassan, Mahmoud O.

Published: Mar 2025 in Journal of Soil Science and Plant Nutrition

DOI: 10.1007/S42729-024-02175-0

Accession Number: WOS:001390911400001

Innovative auxin-micronutrient based nanocomposites (IAA-Fe₂O₃NPs and IAA-Mn₂O₃NPs) shield strawberry plants from lead toxicity

1

Authors (5): Hamed, Hend A.; Abeed, Amany H. A. ... El-Mahdy, Marwa T.

Published: Feb 2025 in Plant Physiology and Biochemistry

DOI: 10.1016/J.PLAPHY.2024.109429

Accession Number: WOS:001393986400001

Effect of molybdenum supply on crop performance through rhizosphere soil microbial diversity and metabolite variation

1

Authors (10): Rana, Muhammad Shoaib; Alshehri, Dikhnah ... Hu, Cheng-xiao

Published: Jan 2025 in Frontiers in Plant Science

DOI: 10.3389/FPLS.2024.1519540

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Unraveling growth and metabolic dynamics in drought-stressed spinach plants: Exploring the contribution of biological gibberellin

1

Authors (3): Hamed, Hend A.; Mahmoud, Ghada Abd-Elmonsef; Abeed, Amany H. A.

Published: Jan 2025 in Scientia Horticulturae

DOI: 10.1016/J.SCIENTA.2024.113924

Accession Number: WOS:001399303700001

Microbial assisted alleviation of nickel toxicity in plants: A review

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Authors (10): Mao, Xinyu; Ahmad, Bilal ... Yong, Jean Wan Hong

Published: Jan 2025 in Ecotoxicology and Environmental Safety

DOI: 10.1016/J.ECOENV.2025.117669

Accession Number: WOS:001412607600001

Exploring the Effects of Methyl Jasmonate and Lipopeptides against Gray Mold in Strawberry fruit (Fragaria x ananassa Duch.)

2

Authors (12): Malik, Javaria; AL-Huqail, Arwa Abdulkreem ... Mirmazloum, Iman

Published: Jan 2025 in Journal of Plant Growth Regulation

DOI: 10.1007/S00344-024-11485-7

Accession Number: WOS:001318971600002

Trehalose and melatonin interactions alleviate cadmium-incited oxidative stress via activating defense related genes and improve ornamental pepper growth

Authors (23): Zulfiqar, Faisal; Moosa, Anam ... Mirmazloun, Iman

Published: Dec 2024 in Plant Growth Regulation

DOI: 10.1007/S10725-024-01238-7

Accession Number: WOS:001346630000001

Ascorbic Acid Increases Cut Flower Longevity of Sword Lily by Regulating Oxidative Stress and Reducing Microbial Load

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Authors (12): Zulfiqar, Faisal; AL-Huqail, Arwa Abdulkreem ... Abeed, Amany H. A.

Published: Nov 2024 in Journal of Plant Growth Regulation

DOI: 10.1007/S00344-024-11396-7

Accession Number: WOS:001281327300001

Evaluation of heavy metal accumulation and tolerance in oxalic acid-treated *Phragmites australis* wetlands for textile effluent remediation

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Authors (11): Alghanem, Suliman Mohammed Suliman; Alsudays, Ibtisam Mohammed ... Abeed, Amany H. A.

Published: Oct 2024 in International Journal of Phytoremediation

DOI: 10.1080/15226514.2024.2372849

Accession Number: WOS:001263037300001

Seed Priming with Iron Oxide Nanoparticles Ameliorates As Toxicity by Decreasing Organic Acid Exudation Pattern and Modulating Specific Gene Expression in Rapeseed (*Brassica napus* L.)

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Authors (10): Alshegaihi, Rana M.; Mfarrej, Manar Fawzi Bani ... Abeed, Amany H. A.

Published: Oct 2024 in Journal of Plant Growth Regulation

DOI: 10.1007/S00344-024-11345-4

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Microwave seed priming and ascorbic acid assisted phytoextraction of heavy metals from surgical industry effluents through spinach

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Authors (10): Abubakar, Muhammad; Alghanem, Suliman Mohammed Suliman ... Abeed, Amany H. A.

Published: Sep 2024 in Ecotoxicology and Environmental Safety

DOI: 10.1016/J.ECOENV.2024.116731

Accession Number: WOS:001274643900001

Coactive Application of *Bacillus Mycoides* PM35 and Calcium Oxide Nanoparticles Stimulate Gene Expression Responses in Maize (*Zea Mays* L.) under Chromium Stress

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Authors (13): AL-Huqail, Arwa Abdulkreem; Alghanem, Suliman Mohammed Suliman ... Abeed, Amany H. A.

Published: Sep 2024 in Journal of Soil Science and Plant Nutrition

DOI: 10.1007/S42729-024-01826-6

Accession Number: WOS:001234279600001

Phyto-treatment of tannery industry effluents under combined application of citric acid and chromium-reducing bacterial strain through *Lemna minor* L.: A lab scale study

Authors (11): Arshad, Rahat; AL-Huqail, Arwa Abdulkreem ... Abeed, Amany H. A.

Published: Aug 2024 in *Heliyon*

DOI: 10.1016/J.HELIYON.2024.E36309

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Application of biogenic silver nanoparticles ameliorates salt stress and improves growth and flower quality of *Calendula officinalis* L

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DOI: 10.1016/J.SCIENTA.2024.113339

Accession Number: WOS:001246537600001

Physiological and molecular analysis of pitaya (*Hylocereus polyrhizus*) reveal up-regulation of secondary metabolites, nitric oxide, antioxidant defense system, and expression of responsive genes under low-temperature stress by the pre-treatment of hydrogen peroxide

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Authors (4): El-Mahdy, Marwa T.; Ali, Mohammed ... Abeed, Amany H. A.

Published: Aug 2024 in *Plant Physiology and Biochemistry*

DOI: 10.1016/J.PLAPHY.2024.108840

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Molecular Cloning and Expression Analysis of Geranylinalool Synthase Gene (SgGES) from *Salvia guaranitica* Plants

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Authors (12): Abdelhameed, Ahmed Ali; Eissa, Mohamed A. ... Zayed, Muhammad

Published: Jul 2024 in *Horticulturae*

DOI: 10.3390/HORTICULTURAE10070668

Accession Number: WOS:001278873000001

Population status, habitat preferences and predictive current and future distributions of three endangered *Silene* species under changing climate

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Authors (9): Abdelaal, Mohamed; AL-Huqail, Arwa Abdulkreem ... Yahia, Aya A.

Published: Jun 2024 in *Frontiers in Plant Science*

DOI: 10.3389/FPLS.2024.1336911

Accession Number: WOS:001262489100001

Amelioration of chromium toxicity in wheat plants through exogenous application of nano silicon

8

Authors (13): Jalil, Sanaullah; Zulfiqar, Faisal ... Essawy, Heba S.

Published: Jun 2024 in *Plant Physiology and Biochemistry*

DOI: 10.1016/J.PLAPHY.2024.108659

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Advancing Arsenic Toxicity Mitigation in Rice (*Oryza sativa* L.) with Rice Straw Biochar and Silicon: A Study on Morpho-Physio-Biochemical Responses

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Authors (7): Alwutayd, Khairiah Mubarak; Alghanem, Suliman Mohammed Suliman ... Abeed, Amany H. A.

Published: Jun 2024 in *Journal of Soil Science and Plant Nutrition*

Microenvironment created by *Plantago lagopus* L. may affect cover and diversity of coexisting species in urban vegetation 3

Authors (12): Hassan, Mahmoud O.; Alsudays, Ibtisam Mohammed ... Abeed, Amany H. A.

Published: Apr 2024 in Heliyon

DOI: 10.1016/J.HELIYON.2024.E28614

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Assessment of Antioxidant Activities of Flaxseed (*Linum usitatissimum* L.) and Fennel Seed (*Foeniculum vulgare* Mill.) Extracts 3

Authors (12): Noreen, Sana; Tufail, Tabussam ... Abeed, Amany H. A.

Published: Apr 2024 in Polish Journal of Environmental Studies

DOI: 10.15244/PJOES/175789

Accession Number: WOS:001201779500029

Inoculation of heavy metal resistant bacteria alleviated heavy metal-induced oxidative stress biomarkers in spinach (*Spinacia oleracea* L.) 10

Authors (15): Jamil, Muhammad; Malook, Ijaz ... Abeed, Amany H. A.

Published: Mar 2024 in BMC Plant Biology

DOI: 10.1186/S12870-024-04757-7

Accession Number: WOS:001195399000003

Correction: Mitigation effect of alpha-tocopherol and thermo-priming in *Brassica napus* L. under induced mercuric chloride stress (vol 24,pg 108,2024) 0

Authors (12): Amin, Fazal; AL-Huqail, Arwa Abdulkreem ... Abeed, Amany H. A.

Published: Feb 2024 in BMC Plant Biology

DOI: 10.1186/S12870-024-04838-7

Accession Number: WOS:001176350300001

Mitigation effect of alpha-tocopherol and thermo-priming in *Brassica napus* L. under induced mercuric chloride stress 8

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Published: Feb 2024 in BMC Plant Biology

DOI: 10.1186/S12870-024-04767-5

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Effect of hesperidin on growth, photosynthesis, antioxidant systems and uptake of cadmium, copper, chromium and zinc by *Celosia argentea* plants 9

Authors (9): Hussain, Mazhar; Hafeez, Arslan ... Abeed, Amany H. A.

Published: Feb 2024 in Plant Physiology and Biochemistry

DOI: 10.1016/J.PLAPHY.2024.108433

Accession Number: WOS:001188759400001

Cucumber grafting on indigenous cucurbit landraces confers salt tolerance and improves fruit yield by enhancing morpho-physio-biochemical and ionic attributes (vol 13, 21697, 2023) 1

Authors (13): Abbas, Fazal; Faried, Hafiz Nazar ... Abeed, Amany H. A.
Published: Feb 2024 in Scientific Reports
DOI: 10.1038/S41598-024-53465-7
Accession Number: WOS:001262541100052

Mitigating chromium toxicity in rice (*Oryza sativa* L.) via ABA and 6-BAP:
Unveiling synergistic benefits on morphophysiological traits and ASA-GSH
cycle 30

Authors (14): Alwutayd, Khairiah Mubarak; Alghanem, Suliman Mohammed
Suliman ... Abeed, Amany H. A.
Published: Jan 2024 in Science of the Total Environment
DOI: 10.1016/J.SCITOTENV.2023.168208
Accession Number: WOS:001109802000001

Combined exposure of PVC-microplastic and mercury chloride (HgCl₂) in
sorghum (*Pennisetum glaucum* L.) when its seeds are primed titanium
dioxide nanoparticles (TiO₂-NPs) 21

Authors (5): AL-Huqail, Arwa Abdulkreem; Alghanem, Suliman Mohammed
Suliman ... Abeed, Amany H. A.
Published: Jan 2024 in Environmental Science and Pollution Research
DOI: 10.1007/S11356-023-31733-9
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Seed Priming with Iron Oxide Nanoparticles Ameliorates As Toxicity by
Decreasing Organic Acid Exudation Pattern and Modulating Specific Gene
Expression in Rapeseed (*Brassica napus* L.) (May, 10.1007/
s00344-024-11345-4, 2024) 0

Authors (10): Alshegaihi, Rana M.; Mfarrej, Manar Fawzi Bani ... Abeed, Amany
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Identification and expression analysis of SBP-Box-like (SPL) gene family
disclose their contribution to abiotic stress and flower budding in pigeon pea
(*Cajanus cajan*) 6

Authors (13): Shaheen, Tayyaba; Rehman, Abdul ... Nahid, Nazia
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DOI: 10.1071/FP23237
Accession Number: WOS:001177735500001

Green synthesis, characterization and adsorption of chromium and cadmium
from wastewater using cerium oxide nanoparticles; reaction kinetics study 29

Authors (9): Masood, Nasir; Irshad, Muhammad Atif ... Abeed, Amany H. A.
Published: Dec 2023 in Journal of Molecular Structure
DOI: 10.1016/J.MOLSTRUC.2023.136563
Accession Number: WOS:001073942600001

Cucumber grafting on indigenous cucurbit landraces confers salt tolerance
and improves fruit yield by enhancing morpho-physio-biochemical and ionic
attributes 6

Authors (13): Abbas, Fazal; Faried, Hafiz Nazar ... Abeed, Amany H. A.

Co-application of copper nanoparticles and metal tolerant *Bacillus* sp. for improving growth of spinach plants in chromium contaminated soil 17

Authors (12): Ali, Arslan; Alghanem, Suliman Mohammed Suliman ... Abeed, Amany H A

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DOI: 10.1016/J.CHEMOSPHERE.2023.140495
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Responses of Pea (*Pisum sativum* L.) to Single and Consortium Bio-Fertilizers in Clay and Newly Reclaimed Soils 4

Authors (4): Mahmoud, Ghada Abd-Elmonsef; Abeed, Amany H. A. ... Monsef, Omaima Abdel

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DOI: 10.3390/PLANTS12233931
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Effect of green-synthesized copper oxide nanoparticles on growth, physiology, nutrient uptake, and cadmium accumulation in *Triticum aestivum* (L.) 23

Authors (12): Alhaithloul, Haifa Abdulaziz Sakit; Ali, Baber ... Abeed, Amany H. A.

Published: Dec 2023 in Ecotoxicology and Environmental Safety
DOI: 10.1016/J.ECOENV.2023.115701
Accession Number: WOS:001119134100001

Evaluation of nanoceria on cadmium uptake in *Triticum aestivum* (L.) and its implications for dietary health risk 4

Authors (9): Al-Huqail, Arwa Abdulkreem; Alghanem, Suliman Mohammed Suliman ... Darwish, Doaa Bahaa Eldin

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DOI: 10.1016/J.CHEMOSPHERE.2023.140115
Accession Number: MEDLINE:37689157

Green synthesis and characterization of silver and copper nanoparticles and their use as an effective adsorbent for chromium removal and recovery from wastewater 19

Authors (8): Irshad, Muhammad Atif; Sattar, Sana ... Abeed, Amany H. A.

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DOI: 10.1007/S11356-023-30141-3
Accession Number: WOS:001084295000005

Effects of zinc-enriched amino acids on rice plants (*Oryza sativa* L.) for adaptation in saline-sodic soil conditions: Growth, nutrient uptake and biofortification of zinc 11

Authors (10): Raza, Saqib; Zia-ur-Rehman, Muhammad ... Al-Haithloul, Haifa Abdulaziz Sakit

Published: Nov 2023 in South African Journal of Botany
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Phytoremediation of dinitrophenol from wastewater by atriplex lentiformis: effect of salicylic acid 10

Authors (7): AL-Huqail, Arwa Abdulkreem; Eissa, Mamdouh A. ... Tammam, Suzan A.

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Authors (12): Ahmed, Temoor; Masood, Hafiza Ayesha ... Li, Bin

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Zinc oxide nanoparticles mitigated the arsenic induced oxidative stress through modulation of physio-biochemical aspects and nutritional ions homeostasis in rice (Oryza sativa L.) 28

Authors (10): Jalil, Sanaullah; Alghanem, Suliman M S ... Jin, Xiaoli

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Calcium nanoparticles mitigate severe salt stress in Solanum lycopersicon by instigating the antioxidant defense system and renovating the protein profile 36

Authors (10): Abeed, Amany H. A.; AL-Huqail, Arwa Abdulkreem ... El-Mahdy, M. T.

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The effect of gibberellic acid on wheat growth and nutrient uptake under combined stress of cerium, zinc and titanium dioxide nanoparticles 11

Authors (9): Al-Huqail, Arwa Abdulkreem; Alshehri, Dikhnah ... Abeed, Amany H A

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Authors (4): Azza S. Hussein; Amany H.A. Abeed ... Eman A.A. Abou-Zaid

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Effective citric acid and EDTA treatments in cadmium stress tolerance in pepper (Capsicum annuum L.) seedlings by regulating specific gene expression 44

Authors (13): Alshegaihi, Rana M.; Mfarrej, Manar Fawzi Bani ... Soudy, Fathia A.

Published: Aug 2023 in South African Journal of Botany

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Authors (10): Arwa Abdulkreem AL-Huqail; Ali Rizwan ... AmanyH.A. Abeed

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Ameliorative Effects of Exogenous Potassium Nitrate on Antioxidant Defense System and Mineral Nutrient Uptake in Radish (*Raphanus sativus* L.) under Salinity Stress

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Combined effect of Zinc lysine and biochar on growth and physiology of wheat (*Triticum aestivum* L.) to alleviate salinity stress

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Authors (9): ul Aibdin, Zain; Nafees, Muhammad ... Abeed, Amany H. A.

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Hydrogen peroxide pretreatment assisted phytoremediation of sodium dodecyl sulfate by *Juncus acutus* L

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Impact of sewage water irrigation on *Datura innoxia* grown in sandy loam soil

25

Authors (4): Abeed, Amany H. A.; Ali, Mohammed ... Tammam, Suzan A. A.

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Induction of resilience strategies against biochemical deteriorations prompted by severe cadmium stress in sunflower plant when *Trichoderma* and bacterial inoculation were used as biofertilizers

42

Authors (7): Abeed, Amany H. A.; Mahdy, Rasha E. ... Mahmoud, Ghada Abd-Elmonsef

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<p>Cd Phytoextraction Potential in Halophyte <i>Salicornia fruticosa</i>: Salinity Impact</p> <p>Authors (4): Salama, Fawzy Mahmoud; AL-Huqail, Arwa Abdulkreem ... Abeed, Amany H. A.</p> <p>Published: Oct 2022 in Plants</p> <p>DOI: 10.3390/PLANTS11192556</p> <p>Accession Number: WOS:000866976700001</p>	25
<p>Attenuating Effect of an Extract of Cd-Hyperaccumulator <i>Solanum nigrum</i> on the Growth and Physio-chemical Changes of <i>Datura innoxia</i> Under Cd Stress</p> <p>Authors (2): Abeed, Amany H. A.; Salama, Fawzy M.</p> <p>Published: Aug 2022 in Journal of Soil Science and Plant Nutrition</p> <p>DOI: 10.1007/S42729-022-00966-X</p> <p>Accession Number: WOS:000840600500002</p>	29
<p>Comparison of Desired-Genetic-Gain Selection Indices in Late Generations as an Insight on Superior-Family Formation in Bread Wheat (<i>Triticum aestivum</i> L.)</p> <p>Authors (8): Mahdy, Rasha Ezzat; Althagafi, Zaharh M. A. ... Tammam, Suzan A.</p> <p>Published: Aug 2022 in Agronomy</p> <p>DOI: 10.3390/AGRONOMY12081738</p> <p>Accession Number: WOS:000846356800001</p>	5
<p>Effect of Manure and Compost on the Phytostabilization Potential of Heavy Metals by the Halophytic Plant Wavy-Leaved Saltbush</p> <p>Authors (11): Li, Jianjian; Chang, Yajun ... Tammam, Suzan A.</p> <p>Published: Oct 2021 in Plants</p> <p>DOI: 10.3390/PLANTS10102176</p> <p>Accession Number: WOS:000715332400001</p>	29
<p>Induction of <i>Catharanthus roseus</i> Secondary Metabolites When <i>Calotropis procera</i> Was Used as Bio-Stimulant</p> <p>Authors (5): Abeed, Amany H. A.; Ali, Mohammed ... Eissa, Mamdouh A.</p> <p>Published: Aug 2021 in Plants</p> <p>DOI: 10.3390/PLANTS10081623</p> <p>Accession Number: WOS:000690007700001</p>	23
<p>Effect of Exogenously Applied Jasmonic Acid and Kinetin on Drought Tolerance of Wheat Cultivars Based on Morpho-Physiological Evaluation</p> <p>Authors (3): Abeed, Amany H. A.; Eissa, Mamdouh Alsayed; Abdel-Wahab, Dalia A.</p> <p>Published: Mar 2021 in Journal of Soil Science and Plant Nutrition</p> <p>DOI: 10.1007/S42729-020-00348-1</p> <p>Accession Number: WOS:000573407400002</p>	71
<p>Effect of Potassium Solubilizing Bacteria and Humic Acid on Faba Bean (<i>Vicia faba</i> L.) Plants Grown on Sandy Loam Soils</p> <p>Authors (5): Ding, Zheli; Ali, Esmat F. ... Abeed, Amany H. A.</p> <p>Published: Mar 2021 in Journal of Soil Science and Plant Nutrition</p> <p>DOI: 10.1007/S42729-020-00401-Z</p> <p>Accession Number: WOS:000609043700001</p>	26

<p>In vitro anticancer and antioxidant potency of leaves extract of Ochradenus baccatus Delile</p> <p>Authors (6): Salama, Fawzy Mahmoud; Abd El-Ghani, Monier Mohamed ... Abd El-Wahab, Dalia Ahmed Mohamed</p> <p>Published: Jan 2021 in Bioscience Research</p> <p>Accession Number: WOS:000654843800009</p>	1
<p>Spermine-priming restrained water relations and biochemical deteriorations prompted by water deficit on two soybean cultivars</p> <p>Authors (2): Dawood, Mona F. A.; Abeed, Amany H. A.</p> <p>Published: May 2020 in Heliyon</p> <p>DOI: 10.1016/J.HELİYON.2020.E04038</p> <p>Accession Number: WOS:000537749900169</p>	26
<p>Comparative impact of different iso-osmotic solutions on osmotic adjustment in Gossypium barbadense</p> <p>Authors (2): Abeed, A. H. A.; Wood, M. F. A.</p> <p>Published: 2020 in Global Nest Journal</p> <p>DOI: 10.30955/GNJ.003106</p> <p>Accession Number: WOS:000523568400010</p>	23
<p>Enhancement the Cellulase Activity Induced by Endophytic Bacteria Using Calcium Nanoparticles</p> <p>Authors (3): Yousef, Naiema; Mawad, Asmaa; Abeed, Amany</p> <p>Published: Mar 2019 in Current Microbiology</p> <p>DOI: 10.1007/S00284-018-1614-X</p> <p>Accession Number: WOS:000459160100011</p>	23
<p>Titanium dioxide nanoparticles model growth kinetic traits of some wheat cultivars under different water regimes</p> <p>Authors (3): Dawood, Mona F. A.; Abeed, Amany H. A.; Aldaby, Eman E. S.</p> <p>Published: Mar 2019 in Plant Physiology Reports</p> <p>DOI: 10.1007/S40502-019-0437-5</p> <p>Accession Number: WOS:000501024600014</p>	25
<p>Growth and biochemical changes in quail bush (Atriplex lentiformis (Torr.) S.Wats) under Cd stress</p> <p>Authors (2): Eissa, Mamdouh A.; Abeed, Amany H. A.</p> <p>Published: Jan 2019 in Environmental Science and Pollution Research</p> <p>DOI: 10.1007/S11356-018-3627-1</p> <p>Accession Number: WOS:000454939400057</p>	46
<p>ADJUSTMENT OF INTERNAL WATER BALANCE IN TWO SOYBEAN CULTIVARS TO REDUCED SOIL WATER POTENTIAL الانضباط في التوازن المائي الداخلي لسلالتين من نبات فول الصويا تحت النقص في الجهد المائي للتربة</p> <p>Published: Oct 2013 in Assiut University Bulletin For Environmental Researches</p> <p>DOI: 10.21608/AUBER.2013.148490</p>	<div>Not indexed in the Web of Science</div>

THE ROLE OF SOME SOLUBLE METABOLITES IN OSMOTIC ADJUSTMENT TO REDUCED MATRIC AND OSMOTIC WATER POTENTIAL IN TWO SOYBEAN CULTIVARS دور بعض المواد الايضية الذائبة في الانضباط الاسموزي لسلالتين من نبات فول الصويا تحت النقص في الجهد المائي للتربة
Published: Oct 2013 in Assiut University Bulletin For Environmental Researches
DOI: 10.21608/AUBER.2013.148494

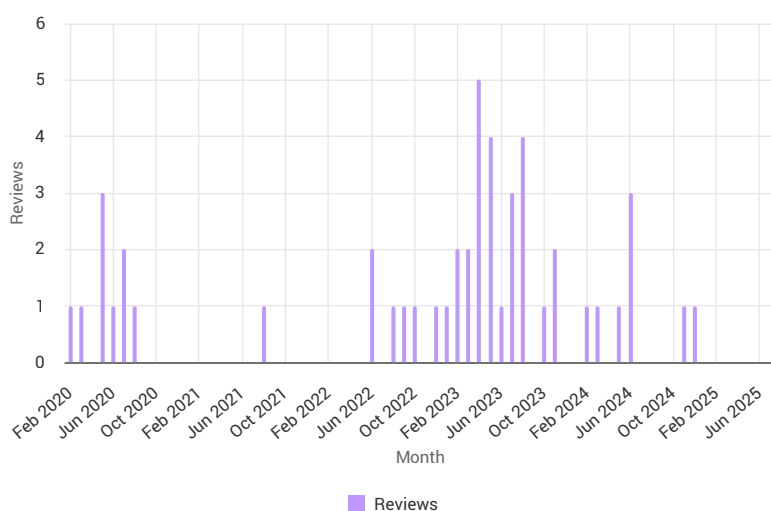
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ENRICHMENT OF HETEROCYST FREQUENCY IN A NEW ISOLATE OF NOSTOC SP SAG 2306 BY 2,4 DICHLOROPHENOXYACETIC ACID AND ITS SUBSEQUENT IMPACT ON MODULATING PHOTOSYNTHESIS/RESPIRATION RATIO AND HYDROGENASES ACTIVITIES
Authors (3): Fatthy Morsy; Amany Hamid; Refat Abdel-Basset
Published: Dec 2010 in Egyptian Journal of Phycology
DOI: 10.21608/EGYJS.2010.114884

Not indexed in
the Web of
Science

Verified Reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range July 2009 - July 2025

(9) Egyptian Journal of Botany	(7) Heliyon
(5) Journal of Soil Science and Plant ...	(4) Frontiers in Plant Science
(3) Agronomy	(3) Photosynthetica
(2) Scientific Reports	(2) Sustainability
(2) Soil Systems	(2) BMC Plant Biology
(1) Asian Journal of Research in Agri...	(1) International Journal of Molecula...
(1) Biology	
(1) Asian Food Science Journal	

(1) International Journal of Environm...	(1) International Journal of Plant & S...
(1) Agriculture	(1) International Journal of Environm...
(1) Plant Cell Biotechnology and Mol...	(1) Ecotoxicology and Environmenta...

49 REVIEWS OF 41 MANUSCRIPTS

For manuscripts published from date range July 2009 - July 2025

Morphology, physiology, and biochemistry responses of *Chenopodium quinoa* Wild. to aqueous extract stress of *Anthurium andraeanum* L. and *Strelitzia reginae* Ait

Reviewed: Dec 2024 for Egyptian Journal of Botany

Morphology, physiology, and biochemistry responses of *Chenopodium quinoa* Willd to aqueous extract stress of *Anthurium andraeanum* L. and *Strelitzia reginae* Banks

Reviewed: Nov 2024 for Egyptian Journal of Botany

Dimethyl Sulfoxide Synergistically Mitigates Cadmium-induced Oxidative Damage in Pakchoi By Activating Antioxidant and Autophagy Mechanisms

Reviewed: Jun 2024 for Ecotoxicology and Environmental Safety

1-amino Cyclopropane 1-carboxylic Acid Deciphered Cadmium Tolerance to Mungbean (*Vigna Radiata* L.) Through Distinct Morpho-physio-biochemical Improvements

Reviewed: Jun 2024 for Journal of Soil Science and Plant Nutrition

Nanosized Zinc Oxide Mitigates Drought-induced Morpho-physiological and Ultrastructural Damages in Cotton

Reviewed: Jun 2024 for Frontiers in Plant Science

Response of two mint cultivars to soil contamination with varying levels of cadmium minerals. Peppermint (*Mentha piperita* L.) and Curly mint (*Mentha spicata* var. *crispa*)

Reviewed: May 2024 for Egyptian Journal of Botany

Mechanistic insights of copper treatment on the physiological processes of barley plants

2 rounds from Feb 2024 to Mar 2024 for Egyptian Journal of Botany

The Biochar-based Nanocomposites of Silicon and Calcium Mitigated Salt Toxicity and Improved Safflower Plant Performance

Reviewed: Nov 2023 for Journal of Soil Science and Plant Nutrition

Understanding salinity stress responses in sorghum: exploring genotype variability and salt tolerance mechanisms

Reviewed: Nov 2023 for Frontiers in Plant Science

Biosorption of Arsenic (III) and Arsenic (V) from Aqueous Solutions: Equilibrium and Kinetic Studies using Mangrove Leaf Biomass (*Avicennia marina*)"

Reviewed: Oct 2023 for Egyptian Journal of Botany

Phaseolus vulgaris growth impacted by ZnO nanoparticles green synthesized from *Chenopodium album* leaves

Reviewed: Aug 2023 for Egyptian Journal of Botany

Effects of chitosan on growth and physiological changes associated adaptation of in vitro obtained banana plantlets to ex vitro conditions

Reviewed: Aug 2023 for Egyptian Journal of Botany

Sole and Synergistic Effect of Vermicompost and Selenium as a Sustainable Strategy for Improving Spinach Growth Under Induced Cadmium Stress

Reviewed: Aug 2023 for Frontiers in Plant Science

Application of Selenium Can Alleviate the Stress of Cadmium on Rapeseed at Different Growth Stages in Soil

Reviewed: Aug 2023 for Agronomy

Modulation of Sunflower Growth Via Regulation of Antioxidants, Oil Contents and Gas Exchange Attributes By AMF and Quantum Dot Biochar Under Cr Stress

Reviewed: Jul 2023 for BMC Plant Biology

PHYTOMANAGEMENT OF ZN AND CD CONTAMINATED SOIL: HELIANTHUS ANNUUS BIOMASS PRODUCTION AND METAL REMEDIATION ABILITIES WITH PLANT GROWTH PROMOTING MICROBIOTA ASSISTANCE

2 rounds from Jul 2023 to Jul 2023 for Soil Systems

Polyphosphate Fertilizer Impacts the Enzymatic and Non- Enzymatic Antioxidant Capacity of Wheat Plants Grown Under Salinity

2 rounds from Apr 2023 to Jun 2023 for Scientific Reports

Determination of Physio-Chemical Characteristics Associated with Various Degrees of Cadmium Tolerance in Barley Accessions

Reviewed: May 2023 for Agronomy

Assessment of Gus Expression Induced by Anti-Sense OsPPO Gene Promoter and antioxidant enzymatic assays in Response to Drought and Heavy Metals Stress in Transgenic Arabidopsis Thaliana

2 rounds from Apr 2023 to May 2023 for Sustainability

Elucidating the Mechanistic Role of Zinc-Lysine to Enhance Cd Tolerance in Diverse Wheat (Triticum aestivum L.) Cultivars Through Distinct Morpho-Physio-Biochemical Improvements Under Cd Stress

Reviewed: May 2023 for Journal of Soil Science and Plant Nutrition

Application of arbuscular mycorrhizal fungi alone or combined with different composts to improve physiological and biochemical attributes related to drought stress tolerance in quinoa

Reviewed: May 2023 for Journal of Soil Science and Plant Nutrition

Foliar Application of Nano-biochar Colloidal Solution Induced Growth Indices, Mineral Uptake and Antioxidant Defense System in Spinach Under Salt and Drought Stress

Reviewed: Apr 2023 for BMC Plant Biology

ROS Consumers or Producers? Interpreting Transcriptomic Data by AlphaFold Modeling Provides Insights into Class III Peroxidase Functions in Response to Biotic and Abiotic Stresses

Reviewed: Apr 2023 for International Journal of Molecular Sciences

Pedological characterization and soil fertility assessment of the selected rice irrigation schemes, Tanzania

Reviewed: Apr 2023 for Heliyon

Caryocar villosum: bioactivity of extracts and oils on phytopathogens

Reviewed: Mar 2023 for Biology

Aspergillus aculeatus enhances nutrient uptake and forage quality in bermudagrass by increasing phosphorus and potassium availability

Reviewed: Mar 2023 for Frontiers in Plant Science

Profile distributions of potentially toxic metal(loid)s in soils of the middle Odra floodplain (SW Poland)

Reviewed: Feb 2023 for International Journal of Environmental Research and Public Health

PHOTOCHEMICAL SCREENING, AND ANTIOXIDANT POTENTIAL OF LOTUS CORNICULATUS AND AMARANTHUS VIRIDIS

Reviewed: Feb 2023 for Egyptian Journal of Botany

Accumulation and Chemical Forms of Cadmium in Tissues of Different Vegetable Crops

Reviewed: Jan 2023 for Agronomy

Agricultural Strategies to Reduce Cadmium Accumulation in Crops for Food Safety

Reviewed: Dec 2022 for Agriculture

Zinc-lysine (zn-lys) Seed Invigoration Confer Cd Tolerance To Diverse Wheat (triticum Aestivum L.) Cultivars Through Distinct Morpho-physio-biochemical Mechanisms

Reviewed: Oct 2022 for Journal of Soil Science and Plant Nutrition

The Utilization and Preservation Practices of Jute Mallow (Corchorus Olitorius) In Western Kenya

Reviewed: Sep 2022 for Asian Food Science Journal

Chemical and Functional Properties of Different Rice Varieties from Ebonyi and Anambra States Nigeria

Reviewed: Aug 2022 for Asian Journal of Research in Agriculture and Forestry

Influence of Nitrogen Levels and Weed Management Practices on Soil Quality of Wetland Rice

Reviewed: Jun 2022 for International Journal of Plant & Soil Science

Impact of Yield Attributes and Yields of Pigeonpea (Cajanus cajan (L.)) Varieties under Different Sowing Windows

Reviewed: Jun 2022 for International Journal of Environment and Climate Change

Comparative Analysis of Macronutrients in Some Popular Wheat Varieties Grown in Balochistan

Reviewed: Aug 2021 for Plant Cell Biotechnology and Molecular Biology

Potential and Nutrient Dynamics of Sesame Plant Residue on Continuously Sesame Grown Dry-lands of Tigray, Ethiopia; Approach for Sustainability of Dry-land Farming

2 rounds from Jul 2020 to Aug 2020 for Heliyon

Potassium Level-Dependent Modulation of Photosynthetic Capacity in Grafted Tobacco

3 rounds from Feb 2020 to Jul 2020 for Photosynthetica

Optimized Vermicomposting of Goat Manure-vegetable Food Waste Mixture for Enhanced Nutrient Release

2 rounds from May 2020 to Jun 2020 for Heliyon

Biochemical and standard toxic effects of acetaminophen on the macrophyte species Lemna minor and Lemna gibba

Reviewed: May 2020 for Heliyon

Assessing the effects of tropical wood leachate to Desmodesmus subspicatus, Lemna minor and Daphnia magna

Reviewed: Mar 2020 for Heliyon
