



CURRICULUM VITAE

ALI HASSAN ABDULRAHMAN BAHKALI

Prof. of Physiological Fungal Ecology



Department Botany and Microbiology Department
College of Science
Name **Ali Hassan Abdul-Rahman Bahkali,**
Nationality Saudi
Current Academic Rank Professor

Academic Degrees:

B.Sc. (B.Sc. Botany – Chemistry)

University King Saud University
College College of Science
University Location (City/State/Country: Riyadh, Saudi Arabia)
Date of Obtaining Degree 19/8/1392 Hijra - 26/9/1972 Gregorian

Ph.D.

University University of Wales
College University College of Swansea
University Location **Swansea, United Kingdom**
Date of Obtaining Degree 15/6/1403 Hijra 29/3/1983 Gregorian
Title of Ph.D. Dissertation "Studies of the Pectic Enzyme Complex Produced by *Verticillium* Species.
Advisor's Name Dr. J.M. Milton
Applicant's Major and Minor Physiological Fungal Ecology

EMPLOYMENT HISTORY (IN DESCENDING ORDER-LAST GIVEN FIRST):

- Head of Botany and Microbiology, Dept., College of Science, King Saud University, 2007 to 2011.
- **Editor in Chief of Saudi Journal of Biological Sciences, 2003 to 2013**
- Professor: Botany and Microbiology, Dept., College of Science, King Saud University, 2000 to date.
- Associate Professor: Botany and Microbiology, Dept., College of Science, King Saud University, 26-9-1993 to 2000.
- Assistant Professor: Botany and Microbiology, Dept., College of Science, King Saud University, 17-8-1983 to 26-9-1993.
- Scholarship Student: 17-7-1973 – to 16-8-1983
- Demonstrator: Botany Dept., College of Science, King Saud University, 26-9-1972- to 17-7-1973.

SCHOLARSHIPS AND AWARDS

- King Saud University Scholarship (1973-1983)
- Lifetime Achievement Award (1436/1435H) from King Saud University Award for Scientific Excellence.
- Research Quality Award (1433/1434H) from King Saud University Award for Scientific Excellence.
- Highly Cited Researcher of 2018 from Web of Science Group
- Highly Cited Researcher of 2019 from Web of Science Group.
- Highly Cited Researcher of 2020 from Web of Science Group.
- Highly Cited Researcher of 2021 from Web of Science Group.



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Highly Cited Researcher 2019

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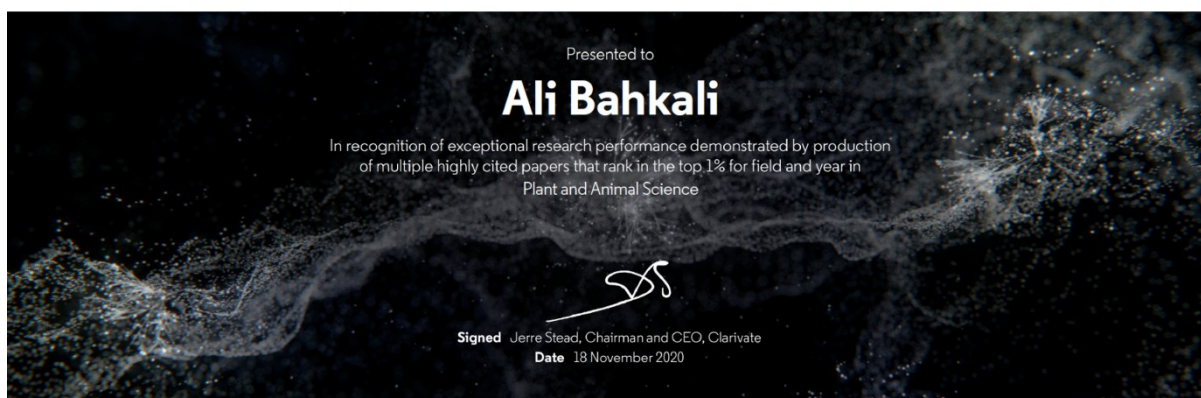


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Date 19 November 2019

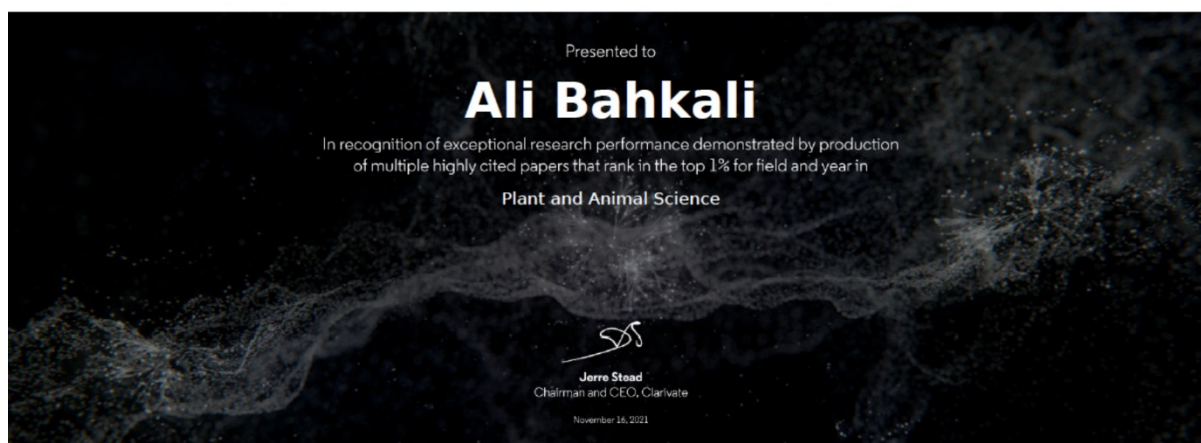
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Highly Cited Researcher 2020



Highly Cited Researcher 2021



PARTICIPATION IN CONFERENCES, SYMPOSIA AND OTHER ACTIVITIES

CONFERENCES

- The First Arab Gulf Conference on Biotechnology and Applied Microbiology, Riyadh, Saudi Arabia. 12-15, November, 1984. The Participation was by attending the sessions.
- The Sixth Joint Saudi-Japanese Conference on Biotechnology and Membrane Separation. Held on December, 5-6-1998, at King Abdulaziz city for Science and Technology (KACST) Riyadh, Saudi Arabia. The Participation was by giving talk on cellulolytic and pectolytic enzymes of *Colletotrichum lindemuthianum* and *Verticillium tricorpus*, specificities of production and influence of various carbohydrates.
- EPS Global Shenzhen Internaional High-Technology from February 25-26, 2011.
- CBS Symposium Fungus: Which Name (1F:~N). CBS, Netherland, From April 12-13, 2012.

SYMPOSIA

- I have attended the annual symposia of the Saudi Biological Society from 1989-1999. Nine Papers were presented.
- Co-Chairman of the Microbiology Session of the Twelfth Symposium (19-21, December, 1989, held at King Saud University, Riyadh, Saudi Arabia..
- The National Seminar on Biotechnology and Genetic Engineering (KACST/UNIDO), held at King Saud University, on 5-9, December, 1987. The participation was by attending the session.
- Collaboration with The laboratory of Phytopathology, Department of plant sciences of Wageningen University and King Saud University as a project entitled" Bioinformatics analysis of different fungal pathogens belonging to the class of Dothideomycetes including *Cladosporium fulvum*"

OTHER ACTIVITIES

MEMBERSHIP OF SCIENTIFIC ASSOCIATION

- Member of Saudi Biological Society (since 1984).
- Member of the Indian Phytopathology (since 1985).
- Member of Transactions of the Mycological Society of Japan (since 1988).
- Member of the Journal of the International Union of Microbiological Societies & of the MIRCEN Network in Association with UNESCO (since 1991).
- Member of the British Mycological Society (since 1993)
- Member of the Pakistan Journal of Biological Sciences (since 1998).

COMMITTEES

- Member of the Faculty of Academic Supervision Board for one year commencing (29-9-1985).
- Department representative at the Faculty of Libraries Committee (1985-1986).
- Member of the Equipment & Chemicals Committee for one year (1987-1988).
- Member of the Examination Committee during Academic year (1986-1987).
- Dept., Representative at the Community Services & Continuing Education Center (1992).
- Supervisor, Department of Botany and Microbiology Library, (1987-1989).
- Supervisor, Department of Botany & Microbiology Laboratories (1989).
- Chairman of Microbiology Unit (1988-1989).
- Academic Coordinator of 101 Mic (General Microbiology), Botany and Microbiology, Department (1996-to date).
- Academic Advisor of many students in Biology & Microbiology.
- Senior Advisor of M.Sc. students in Botany and Microbiology Department, College of Science, King Saud University.
- Senior Advisor of M.Sc. student in cooperation with King Faisal Specialist Hospital and Research Centre.

GRADUATE STUDIES SUPERVISION

- Senior advisor of M.Sc. Studies on seed-borne fungi of some cereal crops in Saudi Arabia (Degree awarded in February, 1991).
- Senior advisor of M.Sc. A study of airborne-viable fungi in Riyadh and the possible role as aero-allergens. (Degree awarded, February, 1992).
- Senior Advisor of M.Sc. Properties and characterization of polysaccharidase complex of fungi associated with soft rot of fruits and vegetable foods in Riyadh city (Degree awarded, June 1995).
- Senior advisor of M.Sc. Experimental studies on the regulation and repression of cellulolytic enzymes of some filamentous fungi (Degree awarded, December, (1994).
- Senior advisor of M.Sc. Production and partial characterization of an extracellular pectolytic enzymes of different isolates of yeasts. (1999)
- Co-advisor of M.Sc. student. Comparative study of protease enzymes production by different species of *Aspergillus*.
- Senior Advisor for M.Sc Role of some fungi in bioremediation and degradation of the explosive TNT (2,4,6 trinitrotoluene)(2003).

Isolation and identification of anaerobic rumen fungi and the properties of secreted cellulolytic and xylanolytic enzymes. (2004). (1425 H).

- Senior Advisor of Ph.D. An allergological and immunochemical studies of airborne fungal allergens in homes and schools in Riyadh city (2005).
- Senior Advisor for M.Sc. Identification of toxigenic fungi recovered from dried fruits. (2011) Hanan Alomari
- Senior Advisor for M.Sc. Distribution, characterization and toxigenicity of fungal species isolated from feed (2012) Hasan Muamar
- Senior Advisor for M.Sc. PCR-Based Identification of Mycotoxigenic Fungi in Rice Grains (2012) Haysam Alasiri
- Screening of airborne fungi in Hail city (2013) Abeer Alrakis
- Senior Advisor of Ph.D. Microbial bioremediation of some nitroaromatic explosives (2013) Fahad Dhabaan
- Senior Advisor of Ph.D. Morphological, virulence, and molecular characterization of toxicogenic fungi from banana fruits imported into Saudi. (2013) Mousa Abdullah Alghuthaymi
- Senior Advisor of Ph.D. نزع الكولسترول من البيئات الميكروبية و تحمل الحموضة و أملاح الصفراء (2014). MOHAMMED HAMZA M ABUTARBOUSH و الالتصاق لبعض الخمائر
- Senior Advisor of M.Sc. isolating microorganisms forming biopolymer PHB polyhydroxybutyrate and PHA polyhydroxyalkanoate compounds and its identification by DNA sequence analysis. (2013) RAYAN YOUSEF EBEAHIEM BOOQ
- Senior Advisor of M.Sc. Diversity of marine fungi of Arabian Gulf, Saudi Arabia: studies at morphological and molecular levels (2014) Mohammed Omar Al-Hebshi
- Senior Advisor of M.Sc. Enhancing the antimicrobial activity of Gentamicin and Tobramycin and reducing its toxicity by encapsulating it inside nano-liposomal formulation (2015) Majed Abdullah Majrashi
- Senior Advisor of Ph.D. Molecular analysis of the microflora associated with camel milk in Riyadh region. (2016) Abdurahman Hajinur Hira
- Senior Advisor of M.Sc. Rapid Molecular Identification of Candida Species from Clinical Blood Samples (2017) Khaled Al-Saif
- Senior Advisor of Ph.D. Phytochemical characterizations and antimicrobial bioactivity of some selected Saudi medicinal plants. (2017) Hind Abdalrhman Abdallah AL-Shwaiman
- Senior Advisor of M.Sc. BIOSYNTHESIS OF SEMICONDUCTOR NANOMATERIALS BY FUNGI: STRUCTURAL CHARACTERIZATION AND BIOASSAY (2018) Marzouq Hussin Alsaedi
- Senior Advisor of Ph.D. Bioactivity and phytochemical analysis of some medicinal plants extracts against pathogens causing nosocomial infection (2019) Saud Meshal Hussain Alghamdi
- Senior Advisor of Ph.D. Fungi mediated nanomaterials Bioinspired synthesis characterization and applications (2020) Helal Farag Saed Al-harthi
- Senior Advisor of Ph.D. Enhancing biodegradation potential of some marine yeasts isolated from Red Sea by genetic transformation (2021) Ahmed Ebrahim A Alsabri
- Senior Advisor of Ph.D. Effective Treatment of Opportunistic Respiratory Mycoses associated with immunocompromised individuals using Biosynthesized Nanoparticles (2022) Abobakr Mahmood Q Almansob

- Senior Advisor of Ph.D. Evaluation of silver titanium dioxide nanoparticles and their synergy with fluconazole against *Candida albicans* (2022) Najla Abdulaziz Abdulrahman Alshaikh

COUNCILS

- Member of Botany & Microbiology Department Council since 1983 date.
- Chairman of Microbiology Unit (1988-1989).
- Secretary of Botany & Microbiology Department Council (1989-1990).

UNIVERSITY AND COMMUNITY SERVICE

- Reviewer of research proposals and research reports submitted to King Abdul Aziz University, Jeddah, Saudi Arabia.
- Referee of research papers submitted for publications in Local Journals in Microbiology.
- Reviewer of proposals and reports presented by Saudi Arabian Standards Organization (SASO).
- Department representative for coordination with the University Studio Supervisor & TV Video Distribution Center Manager aimed at producing a TV Documentary film on each of the University facilities (1986).
- Collaboration with King Faisal Islamic Researches & Studies Centre (1987).
- Participated in Organizing the Teacher's Advanced Secondary Education Training course covering curricula on Applied Biology & Applied Chemistry during the period of (27-8-1985 to 20-12-1985).
- Academic advisor of many students in Biology and Microbiology.
- Advisor of M.Sc. students in Botany and Microbiology. Dept. College o Science, King Saud University.
- Translation into Arabic a Book of "Microbiology of Health carrers" by Elizabeth Fong & E.F. Ferris. 1987.
- International examiner for a number of M.Sc. students in the Department of Botany and Microbiology.
- External examiner for a Ph.D. degree to general presidency for higher education for girls, General Education Riyadh, 1994.
- Referee of research papers submitted for publications in International Journals in Microbiology.

LIST OF AUTHORED BOOK

1. علي بن حسن بهكلي . 1431 . هـ. تقنية النانو : الواقع والنظرة المستقبلية . محمد بن عبده أحمد مسلم وآخرون . ISBN. 789960556734



LIST OF TRANSLATED BOOK

1. أ.د. كامل أحمد عبدالسلام - أ.د. علي بن حسن عبدالرحمن بهكلي. 2019. م. التنوع الحيوي للفظويات. دار جامعة الملك سعود للنشر. ISBN 9786035077170.
2. علي بن حسن بهكلي. 1429. هـ. علم الاحياء الدقيقة للمهن الصحية. إيزابيث فونج; الفيرا ب. فيرس. ISBN. 1322559960978



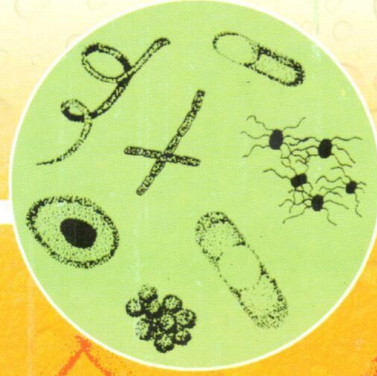
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King Saud University
Web of Science ResearcherID: E-3720-2014

Published names: Bahkali, Ali H. Bahkali, A. H. Bahkali, Ali Hassan Bahkali, AH Bahkali, Ali [Show more](#)

Published Organizations: King Saud University, Yeungnam University, King Saudi Univ [Show more](#)

Subject Categories: Mycology; Plant Sciences; Chemistry; Biotechnology & Applied Microbiology; Science & Technology - Other Topics

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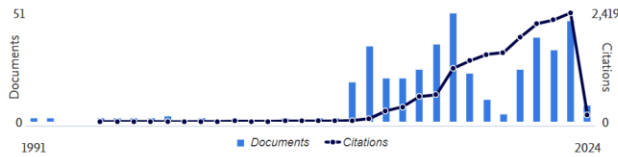
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Ali Bahkali

Professor of Physiological Fungal Ecology, Dept. of Botany and Microbiology, [King Saud University](#)

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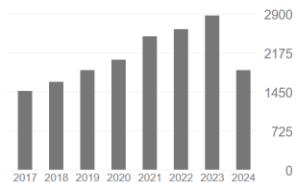
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The Faces of Fungi database: fungal names linked with morphology, phylogeny and human impacts SC Jayasiri, KD Hyde, HA Ariyawansa, J Bhat, B Buyck, L Cai, YC Dai, ... Fungal diversity 74, 3-18	734	2015
Fungal diversity notes 111–252—taxonomic and phylogenetic contributions to fungal taxa HA Ariyawansa, KD Hyde, SC Jayasiri, B Buyck, KWT Chethana, DQ Dai, ... Fungal diversity 75, 27-274	570	2015
The genus <i>Phomopsis</i>: biology, applications, species concepts and names of common phytopathogens D Udayanga, X Liu, EHC McKenzie, E Chukeatirote, AHA Bahkali, ... Fungal diversity 50, 189-225	495	2011
Fungal diversity notes 1–110: taxonomic and phylogenetic contributions to fungal species JK Liu, KD Hyde, EBG Jones, HA Ariyawansa, DJ Bhat, S Boonmee, ... Fungal diversity 72, 1-197	491	2015

LIST OF PUBLICATIONS (510 ARTICLES)

1. Aumentado, H. D. R., Thilini Chethana, K. W., Jayawardena, R. S., Phukhamsakda, C., Norphanphoun, C., Jones, E. B. G.,...Hyde, K. D. (2026). Species diversity of Diaporthe on mangroves: Taxonomic novelties, pathogenic associations, and phylogenetic reassessment of endophytes [Article]. *Mycologia*, 118(1), 47-101. 10.1080/00275514.2025.2550907
2. Hernández-Fernández, M., Cordero-Bueso, G., & Cantoral, J. M. (2026). Plant Growth-Promoting Yeasts from *Vitis vinifera* subsp. *sylvestris* as Promising Bioinoculants for Sustainable Crop Production. *Journal of Agricultural and Food Chemistry*. <https://pubs.acs.org/action/showCitFormats?doi=10.1021/acs.jafc.5c13229&ref=pdf>
3. Jiteshwaran, T., Bahkali, A. H., Janani, B., Elgorban, A. M., & Khan, S. S. (2026). Construction of interfacial electric field triggered CQD-modified WO₃/Mo₂C for enhanced photocatalytic degradation of norfloxacin: A synergistic strategy of peroxymonosulfate activation and 102 mediated degradation [Article]. *Journal of Alloys and Compounds*, 1055, Article 186291. 10.1016/j.jallcom.2026.186291
4. Munyaneza, V., Zhang, W., Haider, S., Ren, L., Song, H., Yi, B.,...Kant, S. (2026). Soil Microorganisms as Drivers of Pollutant Degradation, Metal Detoxification, and Sustainable Agriculture. *Journal of Agricultural and Food Chemistry*. <https://doi.org/10.1021/acs.jafc.5c13543>
5. Sre, V. V., Janani, B., Bahkali, A. H., Elgorban, A. M., & Khan, S. S. (2026). Tailoring a novel reduced graphene oxide supported gC₃N₄/V₂O₅/CoCu LDH as direct dual Z-scheme heterosystem with build in interfacial electric field for boosted visible light driven metronidazole photocatalysis: Mechanistic insights and environmental impact assessment [Article]. *Surfaces and Interfaces*, 80, Article 108277. 10.1016/j.surfin.2025.108277
6. Steffy, J. P., Bahkali, A. H., Janani, B., Elgorban, A. M., & Khan, S. S. (2026). Construction of Pr-modified BiFeO₃ nanocubes on carbon matrix for robust degradation of sulfamethoxazole: A synergistic strategy of oxygen vacancy modulation and photo-self-Fenton degradation [Article]. *Surfaces and Interfaces*, 84, Article 108461. 10.1016/j.surfin.2026.108461
7. Steffy, J. P., Elgorban, A. M., Janani, B., Bahkali, A. H., Alarjani, K. M., & Khan, S. S. (2026). Engineering oxygen vacancy rich orthorhombic α -MoO₃ integrated with Ag₀ for enhanced degradation of metronidazole and larvicidal application: Mechanism insight and DFT calculation [Article]. *Materials Science in Semiconductor Processing*, 203, Article 110181. 10.1016/j.mssp.2025.110181
8. Abdel-Wahab MA, Elgorban AM, Bahkali AH (2025a) Valorization of Macroalgal Hydrolysate for the Production of Lipids and DHA by Marine Microbes. *Journal of Oleo Science* 74:187-201. 10.5650/jos.ess24069
9. Abdel-Wahab MA, Jones EBG, Bahkali AH (2025b) Two new marine species of *Cryptosphaeria* (Diatrypaceae, Sordariomycetes) from the Red Sea mangroves. *Phytotaxa* 696:276-285. 10.11646/phytotaxa.696.4.2
10. Asghari R et al. (2025) Morphology and phylogeny reveal two new species and host records of hyphomycetous fungi on *Areca* species from marine habitats in Thailand. *MycKeys* 118:179-206. 10.3897/mycokeys.118.147229
11. Atif M et al. (2025) ADME Study, Molecular Docking, Elucidating the Selectivities and the Mechanism of [4 + 2] Cycloaddition Reaction Between (E)-N((dimethylamino)methylene)benzothioamide and (S)-3-acryloyl-4-phenyloxazolidin-2-one. *Molecular Biotechnology* 67:1065-1076. 10.1007/s12033-024-01105-w
12. Barazzouq A et al. (2025) Theoretical anti-tuberculosis activity and molecular docking investigation of N-silylated heterocyclic compounds with benzyl chloride catalyzed by

- ammonium sulfate-doped red algae (AS@CRA). *Current Chemistry Letters* 14:59-68. 10.5267/j.ccl.2024.10.001
13. Dayarathne MC et al. (2025) Towards an integrative morpho-molecular classification of the Lulworthiomycetidae. *Mycosphere* 16:79-168. 10.5943/MYCOSPHERE/16/1/2
 14. El Idrissi K, Zeroual A, Bahkali AH, Wang S, Syed A, Garmes H (2025a) Molecular docking, toxicity assessment and theoretical analysis of the cycloaddition of cyclopenta-1,3-diene with fluorescent enones: catalytic effect and stereoselective implications. *Reaction Kinetics, Mechanisms and Catalysis* 138:3567-3590. 10.1007/s11144-025-02888-y
 15. El Idrissi K, Zeroual A, Elgorban AM, Bahkali AH, Wang S, Garmes H (2025b) The role of Lewis acid catalysts in [4+2] cycloaddition of 3-alkyl-2-vinylindoles with β,γ -unsaturated α -ketoesters: absorption, distribution, metabolism, excretion, and toxicity study and molecular docking against SARS-CoV-2 and HIV-1. *Reaction Kinetics, Mechanisms and Catalysis* 138:3543-3565. 10.1007/s11144-025-02889-x
 16. Kačka-Zych A, Zeroual A, Syed A, Bahkali AH (2025) Docking Survey, ADME, Toxicological Insights, and Mechanistic Exploration of the Diels–Alder Reaction Between Hexachlorocyclopentadiene and Dichloroethylene. *Journal of Computational Chemistry* 46. 10.1002/jcc.70092
 17. Karthikeyan C et al. (2025) Environmentally Benign Energy Harvesting Biophotovoltaic Cells with Carbon Shell-Encased Fe₃O₄ Nanoparticles in CNTs. *ACS Applied Nano Materials* 8:14428-14440. 10.1021/acsanm.5c01879
 18. Li Y, Awasthi MK, Syed A, Bahkali AH (2025) The measurement and insight of bacterial community structure succession in cyanobacteria biochar co-composting based on basic carbon and nitrogen indices. *Journal of Environmental Management* 373. 10.1016/j.jenvman.2024.123774
 19. Mukhopadhyay S, Phukhamsakda C, Bhunjun CS, Bahkali AH, Jones EBG, Hyde KD (2025) Exploring fungi on mangrove associates: novel family Neoarthriniaceae and two novel species in Neoarthrinium and Oncopodiella. *Mycological Progress* 24. 10.1007/s11557-025-02035-w
 20. Mustafa G et al. (2025) Hydrogen evolution reaction enhancement through cobalt oxide-cobalt phosphide interface engineering. *Emergent Materials* 8:4187-4195. 10.1007/s42247-025-01065-0
 21. Silambarasan M et al. (2025) Oil bath approach of nickel phosphate (Ni₃(PO₄)₂) nanocrystal and their structural and functional properties. *Chemical Papers* 79:1811-1821. 10.1007/s11696-025-03889-w
 22. Syed A et al. (2025) Therapeutic Potential of products derived from *Pluchea lanceolata* for Alzheimer's Disease Treatment. *Journal of Molecular Neuroscience* 75. 10.1007/s12031-025-02409-5
 23. Zhou, Y.; Awasthi, M.K.; Syed, A.; Bahkali, A.H. Engineered biochar combined clay for microplastic biodegradation during pig manure composting. *Environmental Pollution* 2024, 356, doi:10.1016/j.envpol.2024.124372.
 24. Zain, M.; Yasin, K.A.; Haq, S.; Shujaat, S.; Syed, A.; Elgorban, A.M.; Bahkali, A.H.; Razzokov, J.; Rehman, Z.U. Solvent free fabrication and thermal tuning of copper oxide-zirconium dioxide nanocomposite for enhanced photocatalytic efficacy. *Materials Research Express* 2024, 11, doi:10.1088/2053-1591/ad3db3.

25. Zahid, Z.; Saeed, S.; Arif, S.; Waseem, M.; Haq, S.; Syed, A.; Mena, F.; Bahkali, A.H.; Wong, L.S. Green synthesis of NiO/ZnO nanocomposites for the adsorption of various dyes. *Materials Research Express* 2024, 11, doi:10.1088/2053-1591/ad3462.
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RESEARCH PROJECTS

- 2003 Biodegradation of polyethylene plastics by microbial cultures and in a compost environment (2003). Sponsored by SABIC
- 2006 Isolation of thermophiles (>45 °C) and hyperthermophiles (>80 °C) bacteria and evaluation their enzyme and biosurfactants (1427). Sponsored by KACST
- 2007 Use of dates in the production of degradable biopolymers. (1428). Sponsored by KACST
- 2008 Development of a conventional and lightcycler PCR assay for detection of *Fusarium solani*. Kamel Abd-Elsalam, Ali Bahkali,, Abdul-Aziz A. Al-Khedhairi. And Joseph-Alexander Verreet. Partly granted DNA Research Chair, KSU (2008)
- 2008 Development economical DNA extraction kit from plant, fungi, and bacteria. Prof. , Dr. Ali Bahkali,, Kamel Ahmed Abd-Elsalam. Granted by Research Centre, College of Science, KSU
- 2008 Freeze- and thaw-based procedures for extraction DNA from activated sludge. Dr. Kamel Abd-Elsalam, Prof. Ali Bahkali,, Prof. Abdul-Aziz Al-Khedhairi and Mohamed Muslim . Granted by DNA Research Chair, KSU
- 2008 Mycodegradation of crude petroleum products by fungi isolated from two oil seeds (Flax and Cotton). Prof. , Dr. Ali Bahkali,, Dr. Kamel Ahmed Abd-Elsalam, Dr. Mohamed Abdo Moslem. Granted by SABIC
- 2010 Identification and functional analysis of effectors of a *Cladosporium fulvum* and *Mycosphaerella graminicola* strain from Saudi-Arabia. Granted by Highly Cited Researcher Program (2010).
- 2010 Biosynthesis of silver nanoparticles by *Neurospora stiophilla*. Granted by Research Centre, College of Science, KSU
- 2010 Molecular identification of aflatoxigenic *Aspergillus* spp. Isolated from peanuts. Granted by Research Centre, College of Science, KSU
- 2010 Antimycotic activity of Aloe vera leaves extracts against some seed-borne fungi. Granted by Research Centre, College of Science, KSU
- 2010 Natural occurrence of mycotoxin-producing fungi associated with post-harvest maize grains. Granted by Research Centre, College of Science, KSU
- 2010 Secondary Metabolites and PCR Markers to Forecast Hazard of Air-Borne Fungi in Outdoor Environment. Granted by Dean of Research, KSU
- 2010 Isothermal Amplification Based Strategies for Rapid and Early Detection of Mycotoxigenic *Fusarium* Species in Cereal Gains Imported into Saudi Arabia. Granted by NPST
- 2010 Molecular identification of the important plant pathogenic genus *Colletotrichum* – the need for a simple barcoding gene. Granted by NPST
- 2014 Nanobiotechnology Applications for Sustainable Production of Bioenergy. Granted by KACST
- 2014 Uncovering the Saudi Arabia biodiversity: molecular characterization of marine fungal communities. Granted by NPST

2017-2022 Distinguished Scientist Fellowship Program (DSFP) from King Saud University, Kingdom of Saudi Arabia

2018-2022 Project AT-35-155 from King Abdulaziz City of Science and Technology (KACST), Saudi Arabia

2018-2022 Project ISPP-0089 from International Scientific Partnership Program ISPP at King Saud University

2018-2022 Project 12-NAN-2490-2 from National Plan for Science, Technology, and Innovation (MAARIFAH), King Abdul Aziz City for Science and Technology

2018-2022 Project 12-BIO2840-02 from National Plan for Science, Technology, and Innovation (MAARIFAH), King Abdul Aziz City for Science and Technology

2019-2022 ProjectRG-1436-025 from Science and Technology Development Fund (STDF)

2020-2022 Production of biofuels from seaweeds using marine microorganisms. National Plan for Science, Technology and Innovation (MAARIFAH), King Abdulaziz City for Science and Technology, Kingdom of Saudi Arabia

2022-2023 Researchers supporting Project number (RSP-2021/367), King Saud University, Riyadh, Saudi Arabia.

2022-2023 Researchers Supporting Project Number (RSP-2021/358), King Saud University, Riyadh, Saudi Arabia.

2023-2024 Researchers Supporting Project Number (RSP2023R15), King Saud University, Kingdom of Saudi Arabia

2023-2024 Project ISPP-0089, International Scientific Partnership Program ISPP at King Saud University

2023-2024 Distinguished Scientist Fellowship Program (DSFP), King Saud University, Kingdom of Saudi Arabia

2023-2024 Research Project (IFKSUOR3-299-4), Deputyship for Research and Innovation, "Ministry of Education" in Saudi Arabia

2023-2024 Researchers Supporting Project number (RSP2023R56), King Saud University, Kingdom of Saudi Arabia

2023-2024 Researchers Supporting Project number (RSP2024R56), King Saud University, Kingdom of Saudi Arabia

2023-2024 The Researchers Supporting Project number RSP2024R367, King Saud University, Kingdom of Saudi Arabia

2023-2024 Project AT-35-155, King Abdulaziz City of Science and Technology (KACST), Saudi Arabia

2023-2024 Research project no. (IFKSUDR_F187), Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia