



Saad M Dahlawi

POSITION: Assistant Professor

Personal Profile

Nationality | Saudi

Date of Birth | 1979

Department | Environmental Health

Official Email | smdahlawi@iau.edu.sa

Office Phone No. | 31273

Language Proficiency

| Language | Read | Write | Speak |
|----------|-----------|-----------|-----------|
| Arabic | Excellent | Excellent | Excellent |
| English | Excellent | Excellent | Excellent |

Academic Qualifications (Beginning with the most recent)

| Date | Academic Degree | Place of Issue | Address |
|------|--------------------------------|----------------------------------|----------------|
| 2014 | PhD in Environmental Chemistry | University of Aberdeen | United Kingdom |
| 2012 | Fellowship | British Higher Education Academy | United Kingdom |
| 2008 | MSc in Environmental Sciences | University of East Anglia | United Kingdom |
| 2004 | BSc in Medical Sciences | King Abdulaziz University | Saudi Arabia |

Professional Record

| Job Rank | Place and Address of Work | | Date |
|---------------------|------------------------------------|--|--------------|
| Assistant Professor | College of Public Health | Imam Abdulrahman Bin Faisal University | 2014 to date |
| Lecturer | College of Public Health | Imam Abdulrahman Bin Faisal University | 2009-2014 |
| Teaching Assistant | College of Public Health | Imam Abdulrahman Bin Faisal University | 2005-2009 |
| Lab specialist | King Abdulaziz University Hospital | King Abdulaziz University | 2004-2005 |



Scientific Achievements

Published Refereed Scientific Research

| Authors | Publication Title | Journal | JIF |
|---|---|---------------------------------|--------|
| 2021 | | | |
| 1. Yansong Bao, Dahlawi, S. et al., | Global research on the air quality status in response to the electrification of vehicles https://www.sciencedirect.com/science/article/abs/pii/S0048969721039334 | STOTEN | 7.963 |
| 2. Dahlawi, S. et al. | Assessment of different heavy metals in cigarette filler and ash from multiple brands retailed in Saudi Arabia https://www.sciencedirect.com/science/article/pii/S1018364721001828 | KSUJS | 3.819 |
| 3. Dahlawi, S. & El-Sharkawy, M | Assessment of solid waste management practice in the university campus https://www.emerald.com/insight/content/doi/10.1108/IJSHE-05-2020-0183/full/html | Int. J. Sus. H Edu | 3.083 |
| 4. Cromwell, E., Dahlawi, S. et al. | Predicting the environmental suitability for onchocerciasis in Africa as an aid to elimination planning https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0008824 | PLOS neglected tropical disease | 3.885 |
| 5. Cromwell, E., Dahlawi, S. et al. | The global distribution of lymphatic filariasis, 2000–18: a geospatial analysis https://www.sciencedirect.com/science/article/pii/S2214109X20302862 | The Lancet Global Health | 21.597 |
| 6. Bourne, r., Dahlawi, S. et al. | Causes of blindness and vision impairment in 2020 and trends over 30 years, and prevalence of avoidable blindness in relation to VISION 2020: the Right to Sight: an analysis for the Global Burden of Disease Study https://www.thelancet.com/action/showPdf?pii=S2214-109X%2820%2930489-7 | The Lancet | 60.392 |
| 7. Dahlawi, S. et al. | Medical negligence in healthcare organizations and its impact on patient safety and public health: a bibliometric study https://f1000research.com/articles/10-174 | F1000 Research | 2.64 |
| 8. Sartorius, B., Dahlawi, S. , et al. | Subnational mapping of HIV incidence and mortality among individuals aged 15–49 years in sub-Saharan Africa, 2000–18: a modelling study https://www.sciencedirect.com/science/article/pii/S2352301821000515 | The Lancet HIV | 12.767 |
| 9. Laura Dwyer-Lindgren, Dahlawi, S. , et al. | Mapping subnational HIV mortality in six Latin American countries with incomplete vital registration https://bmcmmedicine.biomedcentral.com/articles/10.1186/s12916-020-01876-4 | BMC medicine | 6.782 |
| 10. Theo Vos, Dahlawi, S. , et al. | Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study 2019 https://www.sciencedirect.com/science/article/pii/S014067362100516X?via%3Dihub | The Lancet | 60.392 |



2020

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| 11. | A. Kisa, Dahlawi S. et al. | Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000–17 https://oda.oslomet.no/oda-xmlui/handle/10642/9028 | <i>The Lancet Global Health</i> | 21.597 |
| 12. | Wang, H., Dahlawi, S. et al. | Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019 https://www.sciencedirect.com/science/article/pii/S0140673620309776 | <i>The Lancet</i> | 60.392 |
| 13. | James S., Dahlawi, S. et al., | Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study https://injuryprevention.bmj.com/content/26/Supp_1/i125.abstract | <i>Injury prevention</i> | 2.420 |
| 14. | Lozano, R., Dahlawi, S. et al. | Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019 https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30750-9/fulltext | <i>The Lancet</i> | 60.392 |
| 15. | Theo Vos, Dahlawi, S. , et al. | Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019 https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30752-2/fulltext | <i>The Lancet</i> | 60.392 |
| 16. | Wang, H., Dahlawi, S. , et al., | Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019 https://www.sciencedirect.com/science/article/pii/S0140673620309776 | <i>The Lancet</i> | 60.392 |
| 17. | Murray, C., Dahlawi, S. , et al., | Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019 https://www.sciencedirect.com/science/article/pii/S0140673620307522 | <i>The Lancet</i> | 60.392 |
| 18. | Dahlawi, S. & Khalid, N | Formulation and characterization of oil-in-water nanoemulsions stabilized by crude saponins isolated from onion skin waste. https://pubs.rsc.org/en/content/articlepdf/2020/ra/d0ra07756a | <i>RSC advances</i> | 3.119 |
| 19. | Murray, C., Dahlawi, S. , et al. | Five insights from the Global Burden of Disease Study 2019 https://www.thelancet.com/action/showPdf?pii=S0140-6736%2820%2931404-5 | <i>The Lancet</i> | 60.392 |



20. A Deshpande, **Dahlawi, S.**, et al. Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000–17
<https://www.sciencedirect.com/science/article/pii/S2214109X20302783>
The Lancet Global Health 21.597
21. Arshia Amin, **Dahlawi, S.**, et al. Insights on comparative bacterial diversity between different arid zones of Cholistan Desert, Pakistan
<https://link.springer.com/content/pdf/10.1007/s13205-020-02204-6.pdf>
3 BIOTECH 1.786
22. Kinyoki,,D., **Dahlawi, S.**, et al. Mapping local patterns of childhood overweight and wasting in low-and middle-income countries between 2000 and 2017
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7220891/pdf/41591_2020_Article_807.pdf
Nature Medicine 34.848
- 2019**
23. Fitzmaurice C, **Dahlawi, S.**, Murray C. Global, Regional and National Cancer Incidence, Mortality, Years of Life Lost, years lived with Disability, and Disability-Adjusted Life Years for 29 Cancer Groups, 1990-2017
<https://jamanetwork.com/journals/jamaoncology/article-abstract/2752381>
JAMA Oncology 22.416
24. El-Sharkawi, M and **Dahlawi, S.** Study the effectiveness of different actions and policies in improving urban air quality: Dammam City as a case study
<https://www.tandfonline.com/doi/full/10.1080/16583655.2019.1599176>
Journal of Taibah University 1.640
- 2018**
25. Saifullah, **Dahlawi, S.**, et al. Biochar application for the remediation of salt-affected soils: challenges and opportunities
<https://www.sciencedirect.com/science/article/pii/S0048969717336914>
Sci of Total Environ 5.589
26. Saifullah, **Dahlawi, S.**, et al. Opportunities and Challenges in the Use of Mineral Nutrition for Minimizing Arsenic Toxicity and Accumulation in Rice: A Critical Review
<https://www.sciencedirect.com/science/article/pii/S0045653517319264>
Chemosphere 5.108
- 2016**
27. **Saad Dahlawi** & Samreen Siddiqui Calcium Polysulfide, its Applications and Emerging Risk of Environmental Pollution- a Review Article
<https://pubmed.ncbi.nlm.nih.gov/27761854/>
Env Sci & Poll Res 3.056
28. Saifullah, M, **Dahlawi, S et al.** Elemental Sulfur Improves Growth and Phytoremediative Ability of Wheat Grown in Lead (Pb) Contaminated Calcareous Soil
<https://www.tandfonline.com/doi/full/10.1080/15226514.2016.1146226?src=recs&journalCode=bijp20>
Int J of Phytoremed. 2.570
29. Saifullah, H. **Dahlawi, S et al.** Timing of Foliar Feeding of Zinc: Time Plays A Vital Role in Minimizing Cd Accumulation in Wheat
<https://pubmed.ncbi.nlm.nih.gov/27164881/>
Env Sci & Poll Res 3.208
30. Bibi, S & **Dahlawi, S.** et al. Environmental Impacts of Nitrogen Use in Agriculture, Nitrate Leaching and Mitigation Strategies (**Book Chapter**)
https://link.springer.com/chapter/10.1007/978-3-319-34451-5_6
Springer Int Pub Switzerland Book Chapter



2015

31. Maletic, S.,
Dahlawi, S.,
Paton, G. Deployment of microbial biosensors to assess the performance of ameliorants in metal-contaminated soils *Water, Air and Soil Pollution* 1.774
<https://link.springer.com/article/10.1007/s11270-015-2358-x>

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

| # | Name of Investigator(s) | Research Title | Conference and Publication Date |
|---|-------------------------|---|---|
| 1 | Saad Dahlawi | Application of CaSx for the remediation of soils and water contaminated with heavy metals | ICCE - Zurich, Switzerland - Sep 2011 |
| 2 | Saad Dahlawi | Using microbial biosensors for toxicological assessment of soil remediation techniques | SGM - University of Nottingham, UK – Sep 2010 |
| 3 | Saad Dahlawi | Environmental Pollution in a changing world | SETAC meeting London, UK – Sep 2010 |
| 4 | Saad Dahlawi | Using microbial biosensors for toxicological assessment of soil remediation techniques | 2nd International Conference on Bio sensing Technology- |

Current Research Projects

| # | Research Title | Name of Investigator(s) |
|---|--|--|
| 1 | Formulation and characterization of oil-in-water nanoemulsions stabilized by crude saponins isolated from onion skin waste. | Saad Dahlawi and Nauman Khalid |
| 2 | Detection and characterization of toxic metals in Hassawi Brown Rice, their fate during cooking and associated health risks. | Saad Dahlawi, Abdulaziz Almulla and Mohammad Atif |
| 3 | Review on physicochemical and functional properties of poppy seeds and flowers: a potential functional food ingredient. | Saad Dahlawi and Nauman Khalid |
| 4 | Heavy metal and bacterial contaminants profiling among conventional and organic eggs from Saudi Arabia hyper markets. | Saad Dahlawi, Mahmoud Berekaa, Khalid Fikry Salama, Ossama Labib and Nauman Khalid |



Contribution to Scientific Conferences and Symposia

| # | Conference Title | Place and Date of the Conference | Extent of Contribution |
|--------------------|---|--|----------------------------------|
| Conferences | | | |
| 1 | PetroEnvironment Conference 2019- Session Chair for Occupational and Environmental Health- Saudi Aramco | Alkhobar, Saudi Arabia- Feb 2019 | Session Chair |
| 2 | Environmental Security Conference 2016 - Prince Naif University for Security Sciences – | Riyadh, Saudi Arabia- Nov 2016 | Attendance |
| 3 | The 6th SIC meeting | Manchester, UK Oct 2012 | Head of the scientific committee |
| 4 | Application of CaSx for the remediation of soils and water contaminated with heavy metals | Zurich, Switzerland - Sep 2011 | Oral Presentation |
| 5 | Using microbial biosensors for toxicological assessment of soil remediation techniques | University of Nottingham, UK – Sep 2011 | Poster Presentation |
| | Environmental Pollution in a changing world | London, UK – Sep 2010 | Poster Presentation |

Membership of Scientific and Professional Societies and Organizations

| # | Society name |
|---|---|
| 1 | Al-Summan Green Environment Society – Founding member |
| 2 | Society of Environmental Toxicology and Chemistry (SETAC) |
| 3 | Royal Society of Chemistry (RSC) |
| 4 | Chartered Institute of Waste Management (CIWM) |
| 5 | American Association of Industrial Hygiene (AIHA) |
| 6 | Saudi Arabian Environmental Health Association (SAEHA) |
| 7 | Society of Environmental Toxicology and Chemistry (SETAC) |

Teaching Activities

| # | Course/Rotation Title | No./Code | Extent of Contribution |
|---|--|-----------|------------------------|
| 1 | Env Chemistry I | ENVH 221 | Lectures |
| 2 | Env Chemistry II | ENVH 311 | Lectures |
| 3 | Intro to Environmental Sciences | ENVH 212 | Lectures |
| 4 | Industrial waste Treatment | ENVH 323 | Lectures |
| 5 | Graduation project | ENVH 425 | Lectures/Practical |
| 6 | Environmental Health Sciences (Postgraduate level) | MPBUH 603 | Lectures |



| | | | |
|---|--|-----------|--------------------|
| 7 | Occupational Toxicology (Postgraduate level) | MPBUH 614 | Lectures/Tutorials |
|---|--|-----------|--------------------|

Administrative Responsibilities, Committee and Community Service

Administrative Responsibilities

| # | From | To | Position | Organization |
|---|------|------|--|--------------|
| 1 | 2015 | 2020 | Head of EH department | CPH- IAU |
| 2 | 2019 | 2020 | Vice Dean for Academic Affairs | CPH- IAU |
| 3 | 2018 | 2019 | Vice Dean for Graduate Studies and Scientific Research | CPH- IAU |

Committee Membership

| # | From | To | Position | Organization |
|---|------|------|---|--------------------|
| 1 | 2015 | 2020 | Head of Quality and Accreditation Committee | EH department -IAU |
| 2 | 2020 | 2021 | Head of Exam Quality Committee | EH department -IAU |
| 3 | 2016 | 2017 | Member of Strategic Plan Committee for College of Public Health | CPH -IAU |

Last Update

21/9/2021

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