

Hadi Hussein Mohammad

Assistant Professor · Department of Microbiology

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Academic Profile

Academic rank
Assistant Professor

Highest degree
PhD

General specialty
Microbiology

Subspecialty
Molecular genetics microbiology

Department
Microbiology

Year joined the college
2023

Academic profiles

Google Scholar
scholar.google.com/citations?user=km8dKn8AA...

ORCID
orcid.org/0000-0001-9439-0852

Scopus
scopus.com/authid/detail.uri?authorId=57201...

ResearchGate
researchgate.net/profile/Hadi-Mohammad?ev=h...

Web of Science
webofscience.com/wos/author/record/LHP-3708...

Dr. Hadi Hussein Mohammad Shwani is a lecturer at college of Medicine/ University Of Kirkuk, Department of Microbiology. Hadi was awarded PhD in molecular genetic microbiology from University of Birmingham under the supervision of Prof. Christopher Morton Thomas. Immediately after his PhD, he worked as a postdoc with Dr. Peter Lund at the same university on TraDis lib and genetic manipulation in E.coli. In summer 2018, he joined Prof. Jody Mason research group at University of Bath as a research associate working on peptide inhibitors as a therapeutic approach against cancer and other diseases. Hadi awarded the first rank in Iraq in his Bsc degree in 2001. He awarded MSc degree in medical microbioloy from College of Medicine/University of Baghdad. His thesis was about H. Pylori among iraqi children. Hadi attended tens of conferences and symposiums around the world as a speaker and poster presenter.

Research interests Medical Microbiology Molecular genetic microbiology Microbiome Peptide therapy

Education 5

2020	**PostDoc in Molecular genetic microbiology/UK** — University of Bath — United Kingdom
2020	**Advance Diploma in Nutrition and diet/UK** — United Kingdom
2017	**PhD in Molecuar genetic Microbioloy/UK** — University of Birmingham — United Kingdom

2005	**MSc in Medical Microbioloy** — Univeristy of Baghdad — Iraq
2001	**BSc in Surgery and Veterinary Medicine** — University of Baghdad — Iraq

Professional & Clinical Experience 5

2020	**Lecture** — College of Pharmacy, Knowledge University — to 2023
2018	**Research associate/UK** — Dep of Biology and Biochemistry, University of Bath, United Kingdom. — to 2020
2017	**Research Fellow/UK** — School of Bioscience, University of Birmingham, United Kingdom. — to 2017
2012	**PhD student/UK** — Univeristy of Birmingham, UK — to 2017
2007	**Assistant Lecturer and Manager of student registration** — University of Kirkuk, College of medicine, Kirkuk. — to 2012

Administrative Positions 2

2024	**Head assitant of microbiology deparment** — College of medicine, University of Kirkuk — to present
2007	**Manager of student registration office** — College of medicine, University of Kirkuk — to 2012

Teaching — Undergraduate 2

Medical Biology — Year 1

Microbiology — Year 3

Publications 8

#	Research title	Year
1	**Pathological and molecular identification for early and accurate diagnosis of Basidiobolomycosis infection** Hussein A.R. Abbood Mahmoud Mohammed Mahmoud , Hadi Hussein Mohammad , Tola Abdulsattar Faraj. *Indian Journal of Microbiology Research* · 13(1):89-95 · [Scopus] https://doi.org/10.18231/j.ijmr.13136.1771576542	**2026**
2	**Simple cloning tricks to generate massive peptide libraries** Hadi H Mohammad, Media K Ismail. *Journal of Microbiological Methods* · 244, 107452 · [Scopus, Web of science, PupMed] https://doi.org/10.1016/j.mimet.2026.107452	**2026**
3	**The Healing Power Of Dietary Supplements To Prevent Long-Term Covid-19; A Prospective Observation Study** Hadi Mohammad, Tariq Sadeq, Swar O Ahmed, Zana Ameen. *Polytechnic Journal* · 14: Iss. 1, Article 8. · [Scopus] https://doi.org/10.59341/2707-7799.1804	**2024**

#	Research title	Year
4	**Peptide-based LDH5 inhibitors enter cancer cells and impair proliferation** Nadal-Bufí, F., Chan, L.Y., Mohammad, H.H. et al.. *Cellular and Molecular Life Sciences* · 79, 606 (2022). · [Scopus, Web of science, PupMed] https://doi.org/10.1007/s00018-022-04633-3	**2022**
5	**Defining the genes for the final steps in biosynthesis of the complex polyketide antibiotic mupirocin by Pseudomonas fluorescens NCIMB10586** Jack A Connolly, Amber Wilson, Malgorzata Macioszek, Zhongshu Song, Luoyi Wang, Hadi H Mohammad, Mukul Yadav, Maura di Martino, Claire E Miller, Joanne Hothersall, Anthony S Haines, Elton R Stephens, Matthew P Crump, Christine L Willis, Thomas J Simpson, Peter J Winn, Christopher M Thomas. *Nature Scientific Reports* · 9, 1542 (2019) · [Scopus, Web of science, PupMed] https://doi.org/10.1038/s41598-018-38038-9	**2019**
6	**Fine tuning of antibiotic activity by a tailoring hydroxylase in a trans-AT polyketide synthase pathway** Hadi H Mohammad, Jack A Connolly, Zhongshu Song, Joanne Hothersall, Paul R Race, Christine L Willis, Thomas J Simpson, Peter J Winn, Christopher M Thomas. *ChemBioChem* · 19, 836. · [Scopus, Web of science, PupMed] https://doi.org/10.1002/cbic.201800036	**2018**
7	**Influence Of Non-Specific Bacteriophage Isolated From Raw Sewage And Housefly On Different E. Coli Isolates** Hadi H. Mohammad. · The First Biological Sciences conference, Kirkuk University https://scholar.google.com/citations?view_op=view_citation&hl=en&user=km8dKn8AAAAJ&citation_for_view=km8dKn8AAAAJ:IjCSPb-OGe4C	**2011**
8	**Evaluation Of Different Serologic Laboratory Tests Used For Diagnosis Of Brucella Antibodies Among Patients In Azadi Teaching Hospital In Kirkuk City** Hadi H. Mohammad and Ali Hassan Mohammad Ameen. *Kirkuk Journal of Science* · 5(1), 53-60. https://doi.org/10.32894/kujss.2010.41085	**2010**

Conferences & Workshops 10

2021	**National Tishk Pharmaceutical Conference (NTPC) on "Paradigm shift in Drug Discovery and Development"** — Conference — Tishk international University, Erbil/Kurdistan, Iraq — Attendee
2019	**The annual department symposium, department of biology and biochemistry/UK** — University of Bath, UK. — Attendee
2015	**Natural Product Discovery & Development in the Post Genomic Era/USA** — Conference — San Diego, USA — Poster
2015	**The Chemistry and Biology of Natural Products Symposium VII/UK** — Symposium — The University of Warwick/ UK — Invited speaker
2014	**IMI Inaugural Symposium/UK** — Symposium — School of Bioscience/ University of Birmingham/UK — Invited speaker
2014	**The Chemistry and Biology of Natural Products Symposium VII/UK** — Symposium — The University of Warwick/ UK — Poster
2014	**Synthetic biology of antibiotic production II/Spain** — Conference — Sant Feliu de Guixols, Spain — Poster

2013	**The Chemistry and Biology of Natural Products Symposium VII/UK** — The University of Warwick/ UK — Poster
2012	**IMI Inaugural Symposiu/UK** — Symposium — School of Bioscience/ University of Birmingham/UK — Poster
2012	**Drug interaction workshop** — Workshop — Knowledge University, Erbil/Kurdistan, Iraq. — Invited speaker

Training Courses 5

2022	**Medils summer school in bioinformatics/Croatia** — Medils , Split, Croatia
2013	**Effective team work workshop/UK** — Raymond Priestley Centre, Lake district, UK.
2012	**31-week Presessional Course in English for Academic Purposes/UK** — University of Birmingham, Language center
2012	**Development needs analysis workshop/UK** — University of Birmingham
2012	**Effective Research Program/Training course/UK** — University of Birmingham

Memberships & Committees 4

- **UK Microbiology society (2012-2018)**
- **American Society for Microbiology (2015)**
- **The Australian Society for Microbiology (2015)**
- **Canadian Society of Microbiologists (2015)**

Languages 3

- **English** — Very good
- **Kurdish** — Native
- **Arabic** — Fluent