




Marwan Mansoor Ali Mohammed



PERSONAL INFORMATION

Address	University of Sharjah, College of Dental Medicine, Sharjah, UAE
Academic rank	Assistant professor
E-mail	mmmohammed@sharjah.ac.ae
Nationality	Norwegian

ACADEMIC PROFILE

<i>Aug. 2009 – Apr. 2018</i>	Doctor of Philosophy (Ph.D.), Oral Microbiology, UiB Obtained Ph.D. degree from University of Bergen (UiB), Bergen, Norway, (ranked 2 nd in Norway). Thesis title: Biofilm and planktonic lifestyles of <i>Porphyromonas gingivalis</i> and <i>Fusobacterium nucleatum</i> , Proteomic analysis of bacteria grown as planktonic cells, mono- and dual-species biofilm, and characterization of the biofilm extracellular polymeric matrix.
	
<i>Aug. 2008 – Aug. 2009</i>	Master in Oral Science, UiB Centre of International Health, Faculty of Medicine, University of Bergen, upgrade to PhD without certificate.
	
<i>Sep. 1998 – Jun. 2003</i>	Degree in Dentistry, JUST - Jordan, (Very good) Obtained BDS (Bachelor of dental surgery) from Jordan University of Science and Technology, Irbid, Jordan.
	

COURSES THAT I CAN TEACH AND COORDINATE

- **Courses that I can teach and coordinate (full course)**
 - Oral Microbiology
 - Oral Biology
 - Oral Ecology
- **Courses that I can participate partially with specific topics**
 - Periodontology (Microbiology and pathogenesis of Periodontal diseases)
 - Dental caries (Microbiology of dental caries and endodontic infections)
 - Molecular biology

RESEARCH/WORK EXPERIENCE

<p><i>Oct 2020- Now</i> Assistant professor College of Dental Medicine, University of Sharjah</p>	<p>Research and teaching duties in the faculty of dental medicine</p> <ul style="list-style-type: none"> • Oral microbiology • Oral Ecology
<p><i>Oct 2019 – Sep 2020</i> Department Engineer IKO,UiT, Tromsø, Norway</p>	<p>Working as a senior lab manger, Department of Clinical Dentistry (IKO), UiT The Arctic University of Norway, Tromsø, Norway.</p> <ul style="list-style-type: none"> • Oral Microbiology and Oral Ecology. <p>Oral Microbiome, Antibiotic resistance, PCR, bacterial DNA sequencing</p>
<p><i>Nov. 2015 – Sep.2019</i> Laboratory assistant Haukeland Uni. Hospital, Bergen, Norway</p>	<p>Worked in the Pathology department,</p> <ul style="list-style-type: none"> • Work in the Histology lab at Haukeland University Hospital, Bergen, Norway. • Preparation of histological sections for further analysis. • Molding and sectioning of histological tissues.
<p><i>Aug. 2009 – Apr. 2018</i> Doctoral Research Fellow, Dep. of Clinical Science, Faculty of Medicine, UiB, Bergen, Norway</p>	<p>Worked in the Department of Clinical Science in the field of Oral Microbiology under the Research group for Infection and Microbiology.</p> <ul style="list-style-type: none"> • Bacterial biofilms, Biofilm matrix • Anaerobic oral bacteria • Bacterial proteomic analysis.

<p><i>Nov 2005– Jul. 2008</i> Teaching Assistant at the Faculty of Dentistry, UST – Yemen</p>	<p>Work at University of Science and Technology, Sana’a, Yemen.</p> <ul style="list-style-type: none"> • Supervision of dental college student during their clinical training (4th and 5th years) • Assistant Administrator of quality assurance and accreditation systems at the faculty
<p><i>Jul 2003– Jul 2008</i> General Dentist, Private dental clinic, Sana’a, Yemen</p>	<p>Worked part-time as a General Dental Practitioner in private dental clinics, Sana’a- Yemen.</p>

AWARDS AND HONOR’S

- The attendance grant for the Eurobiofilms 2013 conference in Ghent, Belgium. The grant was supported by The European Society of clinical microbiology and infectious diseases (ESCMID), 2013
- Norwegian Quota Program Scholarship for Master and PhD studies, Norway, 2008-2013.
- National Scholarship for bachelor’s degree, Awarded Institution: Ministry of Higher Education and Scientific Research – Yemen, 1998-2003.

TECHNICAL SKILLS

- Common laboratory methods for bacterial cultures, anaerobic bacteria and antibacterial assays
- Good experience in microbial biofilm models.
- Several molecular methods including nucleic acid extraction, real-time PCR, Droplet Digital PCR.
- Protein extraction, electrophoresis and proteomics.
- Professional user of the computer, its applications, and the internet.
- All skills of a well-trained general dental practitioner.

PUBLICATIONS

Research Gate : https://www.researchgate.net/profile/Marwan_Mohammed

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

Scopus : <https://www.scopus.com/authid/detail.uri?authorId=55772392800>

ORCID: <https://orcid.org/0000-0002-7101-1239>

Articles

- 2018 Dabija-Wolter, G., Al-Zubaydi, S. S., **Mohammed, Marwan.**, Bakken, V., & Bolstad, A. I. The effect of metronidazole plus amoxicillin or metronidazole plus penicillin V on periodontal pathogens in an in vitro biofilm model. *Clinical and Experimental Dental Research*
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- 2017 **Mohammed, Marwan**; Pettersen, Veronika Kucharova; Nerland, Audun Helge; Wiker, Harald G; Bakken, Vidar. Quantitative proteomic analysis of extracellular matrix extracted from mono- and dual-species biofilms of *Fusobacterium nucleatum* and *Porphyromonas gingivalis*. *Anaerobe*. 44C: 133-142. Published 2017-03-09. doi: 10.1016/j.Anaerobe. 2017.03.002
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- 2013 **Mohammed, Marwan**; Nerland, Audun Helge; Al-Haroni, Mohammed; Bakken, Vidar.
Characterization of extracellular polymeric matrix, and treatment of *Fusobacterium nucleatum* and *Porphyromonas gingivalis* biofilms with DNase I and proteinase K. *Journal of Oral Microbiology* 2013; Volum 5

Conferences posters

- 2017 Sundus Saad Al-Zubaydi, Gabriela Dabija-Wolter, **Marwan Mohammed**, and Anne Isine Bolstad. The effect of metronidazole plus amoxicillin or metronidazole plus penicillin V on a periodontal biofilm model. An in vitro study. doi.org/10.1080/20002297.2017.1325270
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- 2014 **Mohammed, Marwan**; Nerland, Audun Helge; Bakken, Vidar.
Proteomic analysis of *Fusobacterium nucleatum* and *Porphyromonas gingivalis* biofilm reveals abundance of stress proteins in the matrix. 11th European Oral Microbiology Workshop; 2014-05-22 - 2014-05-25

2013	Mohammed, Marwan; Nerland, Audun Helge; Bakken, Vidar. Proteins in the extracellular matrix of <i>Fusobacterium nucleatum</i> and <i>Porphyromonas gingivalis</i> biofilm. EUROBIOFILMS 2013, Third European Congress on Microbial Biofilms; 2013-09-09 - 2013-09-12
2011	Mohammed, Marwan; Al-Haroni, Mohammed; Nerland, Audun H.; Bakken, Vidar. Extracellular matrix of a dual species oral biofilm. 10th European Oral Microbiology Workshop; 2011-05-19 - 2011-05-22.
2010	Mohammed, Marwan; Al-Haroni, Mohammed; Nerland, Audun H.; Bakken, Vidar. Dual species periodontal pathogens in a biofilm model. Dental Research Day; 2010-11-05 - 2010-11-05
2009	Al-Haroni, Mohammed; Mohammed, Marwan; Bakken, Vidar. Characterization of <i>Fusobacterium</i> biofilm in a hydrodynamic environment, (Poster in Eurobiofilms 2009, First European Congress on Microbial Biofilms; 02.09.2009 – 05.09.2009).

PAPERS UNDER SUBMISSION

2017	Mohammed MMA, Pettersen VK, Nerland AH, Wiker HG, Bakken V. Proteomic analysis of <i>Fusobacterium nucleatum</i> and <i>Porphyromonas gingivalis</i> biofilms and planktonic cultures when grown as mono- and dual-species models. In manuscript. 2017
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SPECIAL COURSES

Nov-2019	1 day, ELIXIR Norway: Hands-on bioinformatics NeLS workshop, UiT, Tromsø
Nov-2019	3 days Hands-on qPCR- course by TATAA Biocenter – Gothenburg, Sweden
Nov-2019	2 days Digital PCR – Applications and analysis- course by TATAA Biocenter – Gothenburg, Sweden. TATAA Biocenter named “Best Nucleic Acid Analysis Service Provider in Europe” by Global Health & Pharma.
Aug-2012	Quantitative Proteomics Course, The Proteomics Unit (PROBE), UiB, Bergen, Norway (4 days)

Aug-2010	Medical Biofilm Techniques, Department of Systems Biology, Technical University of Denmark (DTU) (1 week)
May-2010	Molecular and Cellular Methods in Immunology, Department of Clinical Science, Faculty of Medicine, UiB, Bergen, Norway (3 weeks)
Apr-2009	Course in Confocal Microscopy, Molecular Imaging Center (MIC), UiB, Bergen, Norway (5 days)
Sep-2008	Basic course in research tools and theory, Centre for International Health, Faculty of Medicine, UiB, Bergen, Norway (one month)

SOCIAL SKILLS AND COMPETENCES

Social skills and competences	<ul style="list-style-type: none"> • Board Member of The Arabic Cultural Center in Norway. • Active member of YEMEN MEDICAL CHARITABLE SOCIETY, Sana'a, Yemen.
Personal skills and competences	<ul style="list-style-type: none"> • Research skills • Planning, Time-management, Project management, and Team-working skills • Students supervision and guiding

LANGUAGES

	Understanding	Speaking	Writing	
Arabic	<i>excellent</i>	<i>excellent</i>	<i>excellent</i>	Native Speaker.
English	<i>Very good</i>	<i>Very good</i>	<i>Very good</i>	Graduate and postgraduate studies are in English.
Norwegian	<i>Good</i>	<i>Good</i>	<i>Good</i>	Moderate Norwegian.