



## Dr. Mohammed Abdullah Alsibani

Assistant Professor & HoD

*Biological Sciences and Chemistry-Chemistry Section*

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Time at UoN: Since 2010

Received PhD in analytical chemistry from the University of Halle-Wittenberg, Germany in 2017. MSc in Analytical Chemistry, University of Huddersfield, UK. BSc Chemistry-education 2008, SQU.1993. His research interests are development of analytical methods using AAS, LC-MS, ICP-OES, HPLC, GC-FID, UV, CE, Rheometer and FTIR.

### **Academic Qualifications**

PhD Analytical Chemistry, University of Halle-Wittenberg, Germany., 2017

MSc Analytical Chemistry, University of Huddersfield, UK, 2008

BSc. Chemistry- Education, Sultan Qaboos University , 1993

### **Teaching Activities**

Advance Laboratory

Applied methods for chemical analysis

Instrumental Chemical Analysis

Analytical Chemistry

Analytical Chemistry 1

## **Research Activities**

### **- Research Interests**

Development of analytical methods using AAS, LC-MS, ICP-OES, HPLC, GC-FID, UV, CE, Rheometer and FTIR

### **- Publications**

#### **Article:**

1. 2018 Characterization of Linear and Chemically Cross-linked Hyaluronic acid using various analytical techniques including FTIR, ESI-MS, <sup>1</sup>H NMR, and SEM, Journal of Biochemistry and Analytical studies, volume 3, issue 1, 01-08
2. 2016 Effect of (HA) initial concentration on cross-linking efficiency of HA-based hydrogels cross-linked with 1, 4-butanediol diglycidyl ether (BDDE), Die Pharmazie Journal
3. 2016 Study of the effect of mixing approach on cross-linking efficiency of hyaluronic acid-based hydrogel cross-linked with 1,4 - butanediol diglycidyl ether, European Journal of Pharmaceutical Sciences, 91, 131-137
4. 2015 Evaluation of in-vitro degradation rate of hyaluronic acid-based hydrogel cross-linked with 1, 4-butanediol diglycidyl ether (BDDE) using RP-HPLC and UV-Vis spectroscopy, Journal of Drug Delivery Science and technology, 29, 24-30.
5. 2014 First quantitative analysis of essential and trace elements in frankincense from Boswellia sacra using ICP-OES, Ciencia E Tecnica: Vitivinicola, 29(8): 57-66.
6. 2014 Phenolic Constituents of Pomegranate Peels (Punicagranatum L.) Cultivated in Oman, European Journal of Medicinal Plants, 4(3): 315-331

## **Faculty Administrative Experience**

2019 - Present: Head of Department of Biological Science and Chemistry - University of Nizwa

2010 - 2016: Analysis and Application specialist - DARIS Centre for Scientific Research and

Technology Development, University of Nizwa

2008 - 2009: Deputy Director for Science - Department of applied Science, Ministry of Education, Muscat, Oman

2005 - 2008: Head of Science - Department of applied Science, Ministry of Education, Muscat, Oman

1999 - 2004: Chemistry-textbook and Curriculum officer - Department of applied Science, Ministry of Education, Muscat, Oman

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