

Curriculum Vitae

Nabaz Ibrahem Mohammed

Lecturer, Ph.D. (University of Duhok)

« Hydrologist and Environmentalist »

- Research orientations : « **hydrochemistry of groundwater and surface water, water resource management, groundwater vulnerability** »
- Teaching orientations : « **Hydrology, Hydrogeology, Ecology** »

Personal Data

Surname: MOHAMMED

First name: Nabaz

Gender: Male

Marital Status: Married

Date and Place of Birth: 14/05/1978, Duhok, Kurdistan Region, Iraq

Nationality: Iraqi

Academic Status: Lecturer in College of Agriculture, University of Duhok.

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Education and Qualifications

(A) Schooling

1984 - 1992: Berebhar Primary School, Duhok.

1992 - 1995: Meme-Alan Intermediate School, Duhok.

1995 - 1999: Meme-Alan Secondary School, Duhok.

(B) University

1999 - 2003: **BSc.** in “ Forestry Science” from Forestry Dept. College of Agriculture, **Duhok University - Kurdistan – Iraq.**

(C) Higher education

2006 - 2007: **MSc.** in an“ Environmental Forestry” from School of Environment and Natural Resources, **University of Wales/Bangor, United Kingdom.**

2010 - 2014: **PhD.** in “Hydrogeology and Environment” from School of Natural Resources and Environment, **University of Bordeaux, France.**

Employment

2004–2005: Assistant Researcher, Dept. of Forestry. College of Agriculture, University of Duhok, Kurdistan Region, Iraq.

2007–2010: Assistant Lecturer, Dept. of Forestry, College of Agriculture, University of Duhok, Kurdistan Region, Iraq.

Since 2014 (June-26): Lecturer at college of Agriculture, Recreation & Ecotourism Dept., University of Duhok. (Successfully completed the teaching methods course in November 2014).

Since October 1st 2017: Head of Recreation & Ecotourism Dept., College of Agriculture, University of Duhok.

Professional Experience

1. Taught undergraduate courses in Forest Ecology and Watershed Management (from 2008-2010) in Forestry department, College of Agriculture.
2. Taught undergraduate course in Watershed Management (from 2008-2010) in Soil and water department, College of Agriculture.
3. Teaching undergraduate with courses including Meteorology, hydrology, water resources management, water-based tourism, introduction to recreation and forestry, and Academic debates (since 2014) in Recreation & Ecotourism, and Soil and water department, college of Agriculture, University of Duhok.
4. Teaching undergraduate with courses include Water quality & quantity as well as Limnology to the student of Fisheries department, College of Agriculture, University of Salahaddin.
5. Teaching advanced Environmental pollution to MSc student.
6. Qualified to give courses on: Hydrology, Meteorology, Hydrochemistry, Water management, and Ecology.
7. Familiar with analyzing Environmental stable isotopes of water (^{13}C , ^{18}O and ^2H), and chemical analysis of water (major ions and trace elements).
8. Very Familiar with collecting and interpretation of data related to water contamination in both surface water and groundwater (heavy metals, pesticides, fertilizers, pharmaceuticals, biology...etc.).

Computer skills

1. Very familiar with the word, windows and excel programs.
2. Have ability on working with Arc-GIS, MODFLOW, Diagrammes and Aqachem programs for analyzing water chemistry and isotopes data.

Spoken Languages

<i>Kurdish</i>	Read, written and spoken	Fluently (mother language).
<i>Arabic</i>	Read, written and spoken	Very well
<i>English</i>	Read, written, spoken	Very well
<i>French</i>	Read, written, spoken	Fair

Language courses

- **English:**
 - a) Attended an English language course in Brasshouse Center, Birmingham, UK, at intermediate level from January to April 2006.
 - b) Participated in an English language course in ELCOS Center, University of Wales, Bangor, UK, at upper intermediate level from April to August 2006.
 - c) Attended the Pre-sessional course, August & September 2006, in ELCOS Center, University of Wales, Bangor, UK, for Master degree qualification.
- **French:**
 - Took part in French language courses (level: A1, A2 and B1) in the University of Blaise Pascal, Clermont-Ferrand, France, from 2011 to 2013.

Research and Publication

- **MSc. Thesis** (2007) entitled “Effect of future predicted summer drought on the growth of two provenances of pedunculate oak (*Quercusrobur* L.)” in the United Kingdom.
- **Phd. Thesis** (2014) entitled” Investigating the behavior of alluvial systems, thanks to the classical, isotopic and emerging tracers. Case study of the alluvial aquifer of the Allier River (Auvergne, France).
- **Mohammed N.**, Celle-Jeanton H., Huneau F., Le Coustumer P., Lavastre V., Bertrand G., Charrier G., Clauzet M.L. (2014) Isotopic and geochemical identification of main groundwater supply sources to an alluvial aquifer, the Allier River valley (France). *Journal of Hydrology*, 508: 181–196.
- Celle-Jeanton H., Schemberg D., **Mohammed N.**, Huneau F., Bertrand G., Lavastre V., Le Coustumer P. (2014) Evaluation of pharmaceuticals in surface water: reliability of PECs compared to MECs. *Environmental International*.
- Nabaz I. Mohammed and Karwan A. Bamarni (2019). Water quality monitoring of Duhok Dam (Kurdistan Region of Iraq). *Zanco Journal of Pure and Applied Sciences*.

Ongoing Research:

- Groundwater quality assessment in rural area. Case study of Brebhar village, Duhok governorate, Northern Iraq.
- Assessing heavy metals in waste water, soil and vegetables in urban area of Duhok city.

Conferences: Participation, Presentations and Posters

- 1- Kurdistan 2nd Conference on Biological Sciences, Dohuk University 6-8 May, 2008.
- 2- The First Kurdistan Tourism Conference in Duhok 25 / 2 / 2009.
- 3- The EGU General Assembly in Vienne 2012: Poster; “Spatial hydrochemical and isotopic variations within the alluvial aquifer of the Allier River (Massif Central, France)”.
- 4- The IGC conference in Brisbane, Australia 2011: Poster “Spatial and temporal hydrochemical and isotopic variations within the alluvial aquifer of the Allier River (Massif Central, France)”.
- 5- PhD. student conference in LMV, Clermont-Ferrand, France 2012: Presentation “Contribution of a multi-criteria analysis to better understanding the alluvial aquifer functioning and vulnerability. Application to an experimental site of Allier basin”.
- 6- The IAH conference in Niagara-fall, Canada 2012: Presentation “First evaluation of pesticides and pharmaceuticals in the alluvial aquifer of the Allier River (Massif Central, France)”.
- 7- The EGU General Assembly in Vienne, Austria 2013: Poster” Integrated characterization of groundwater contamination in an alluvial system. Case study of Allier alluvial aquifer (Massif Central, France)”.
- 8- IAH conference in Perth, Australia 2013: Poster” Pharmaceuticals evaluation in surface water: PEC vs MEC. Case study of the Allier River and its connected alluvial system (Massif Central, France)”.
- 9- IAH 2014 Groundwater: Challenges and Strategies, Marrakech, Morocco, 15 – 19 September 2014: Poster “A combined approach of chemical, isotopic and microbial tracers to determine the origin of nitrate in an alluvial aquifer. Case study of the Allier alluvial system (France)”.
- 10- Participated as a member of scientific committee of the conference in 2nd Scientific Agriculture Conference, university of Duhok, 26 – 27 April 2016.

Memberships

- Member of the Kurdistan Agronomist syndicate since 2003.
- Member of the Cultural center staff in the University of Duhok.
- Member of EGU (European Geoscience union) since April 2012.
- Staff member of Recreation & Ecotourism department, college of Agriculture, University of Duhok.
- Member of the scientific committee of College of Agriculture, university of Duhok from October 2015 to October 2017.
- Head of scientific committee of Recreation & Ecotourism department, college of Agriculture, University of Duhok from October 2015 to October 2017.

Awards

- Kurdistan Region scholarship 2005.
- Erasmus Mundus scholarship 2010.

Other skills

- White button mushroom cultivation project manager (trainer)
- Environmental awareness and Ecotourism advisor
- Water quality project supervision