



Mostafa Ali Mohamed Benzaghta

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Libyan Academy
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I am Dr. Mostafa Ali Mohamed Benzaghta. I obtained my B.Sc. Degree in Soil and Water from Faculty of Agricultural University of Tripoli, Libya and my M.Sc. Degree in Water Engineering from Department of Civil Engineering, Universiti Putra Malaysia (UPM) while my PhD Degree is in Water Resources Engineering from the same university. By profession I have worked with Faculty of Engineering and Agriculture, Sirte University, Libya as a lecturer for a period of nine years. Also, I was employee at Faculty of Agriculture, Misurata University for three years. In the present I am Associate Prof. at Libyan Academy-Misurata. I have good command in English beside a very good skill in Computer. I have published 23 journal papers most of them in ISI journals, also I have 8 conference papers. I am peer review of British Journal of Mathematics and Computer Science; the African Journal of Environmental Science and Technology; and Quaternary International Journal. Also, I am a member of ASCE, WEF and EWRI.

Educational Qualifications

PhD Graduation Date	Sep, 2011
PhD in Water Resources Civil Engineering Dept Universiti Putra Malaysia	Jul 2008 to Sep 2011
Researcher in Water Resources University of Nebraska-Lincoln, USA	May 2007–Feb 2008
Intensive English Program University of Nebraska at Omaha, USA	August 2006-April 2007
M.S. in Water Engineering Civil Engineering Dept Universiti Putra Malaysia (UPM)	May 2001-July 2003
Employee Ministry of Agriculture Sirte Sector, Libya	Jan 1999- Feb 2001
Ministry of Education Sirte Sector, Libya	Feb, 1993 – Sep 1998
BSc. in Soil and Water Al Fateh University Tripoli, Libya	August 1988-May1992

Teaching and Experience

Associate Professor Department of Environmental Engineering and Sciences Libyan Academy, Misurata, Libya	April 2021- Present
Coordinator quality and performance evaluation of Basic Science School Libyan Academy, Misurata, Libya	Jun 2012- Sept 2013
Executive Editor Misurata University Journal of Agricultural Sciences	Jun 2019- April 2021
Associate Professor General Department Misurata University, Misurata, Libya	Mar 2019- Mar 2021
Director of Graduate Studies and Training Faculty of Agriculture Misurata University	Oct 2018- Mar 2021
Assistant Professor General Department Misurata University, Misurata, Libya	Oct 2018 – Feb 2019
Assistant Professor Soil and water Department Sirte University, Sirte, Libya	Mar 2015-Spt 2018
Lecturer in Water Resources Soil and Water Dept, Sirte University Sirte, Libya	April 2012-Mar 2015
Director of Graduate Studies and Training Sirte University Sirte, Libya	Sept 2013- Jan 2018
Director of the office of Research and Consultation Sirte University Sirte, Libya	Jun 2012- Sept 2013
Coordinator quality and performance evaluation of Soil and water Department Sirte University	Jun 2012- Sept 2013

Lecturer in Water Engineering
Soil and Water Dept,
Sirte University
Sirte, Libya

2003- 2006

Head of Teaching Staff
Sirte University
Sirte, Libya

July 2004-March 2005

Courses Taught:

1. Research Methodology
2. Groundwater Engineering
3. Fluid Mechanics
4. Surface Water Hydrology
5. Hydraulic Structure
6. Water Resources Engineering
7. Soil Physics
8. Design of Drainage and Irrigation Systems
9. Basics of irrigation
10. Water Supply and Sanitation

Workshops

1. EndNote Workshop for Postgraduate. LAMA Company – Misurata, Libya, 09-11 Oct, 2022 (As Trainer).
2. Using Microsoft Word in thesis writing Workshop for Postgraduate. Libyan Academy Misurata, Libya, 12th Jun, 2021 (As Trainer).
3. Lecture in How to Write and Indexing References in Scientific Research using EndNote Software. Science and Technology Association- Misurata, Libya, 27 April, 2021 (As Speaker).
4. Scientific Writing and Publishing in Journal Workshop. Faculty of Engineering – Misurata University, Libya, 28-29 Jul, 2019 (As Trainer).
5. EndNote Workshop for Postgraduate. Faculty of Engineering – Misurata University, Libya, 23-25 Jul, 2019 (As Trainer).
6. Using Microsoft Word in thesis writing Workshop for Postgraduate. Faculty of Agriculture – Misurata University, Libya, 26th Mar, 2019 (As Trainer).
7. Strategic planning in Universities, where to Start and where to End. Workshop. Faculty of Agriculture – Misurata University, Libya, 3th Mar, 2019 (As Trainer).
8. Scientific Writing and Publishing in Journal Workshop. Afak Academy - Ankara, Turkey, 29-31 Jan, 2016 (As Trainer)

9. EndNote Workshop for Postgraduate. Afak Academy - Ankara, Turkey, 22-24 Jan 2016 (As Trainer)
10. Research Methodology Workshop. Afak Academy - Ankara, Turkey, 15-17 Jan, 2016 (As Trainer).
11. Lecture in How to apply scientific research and proposals of the National Scientific Research- Libya. Sirte University, 15 April, 2014 (As Speaker)
12. Lecture in How to Write and Indexing References in Dissertations and Scientific Research using EndNote Software. Sirte University- Libya, 26 September, 2012 (As Speaker).
13. Lecture in How to Make Interactive PowerPoint Presentation. Sirte University- Libya 27 May, 2012 (As Speaker).

Training and Skills

1. ARID Scientific Members' Cultural Forum in The Maghreb Countries. Organized by ARID Scientific Ltd., 30, Nov, 2022.
2. Workshop on Training Of Trainers (TOT), 30 Hrs from 12 Nov to 17 Nov, 2022, Libyan Academy – Misurata, Libya.
3. E- Workshop on Publishing culture in journals indexed within the Scopus database. 04 Jan 2022. Academics & Researchers Platforms (IFAD)
4. (Online Lecturer).27 Jul 2021. Academics & Researchers Platforms (IFAD)
5. Research Gap and Scientific Contribution. (Online Lecturer).27 Jul 2021. Academics & Researchers Platforms (IFAD)
6. Creating Interactive Worksheets (Online Lecturer).5 Jul 2021. Academics & Researchers Platforms (IFAD)
7. Technologies of Using Interactive Electronic Wall (Padlet). (Online Lecturer).28 Mar 2021. Academics & Researchers Platforms (IFAD)
8. Self-confidence skills, Self-development and Mental arithmetic (Online Lecturer).23 Mar 2021. Academics & Researchers Platforms (IFAD)
9. Preparing Strategic Plans (Online Lecturer).20 Mar 2021. Academics & Researchers Platforms (IFAD)
10. Scientific Publishing Strategies in the International Journals. (Online Lecturer).13 Mar 2021. Academics & Researchers Platforms (IFAD)

11. Scientific Research: Problems and Observations (Online Lecturer).12 Mar 2021. Academics & Researchers Platforms (IFAD)
12. Prospects Application of Total Quality in Higher Education Institutions. (Online Lecturer).4 Mar 2021. Academics & Researchers Platforms (IFAD)
13. How do you build your ideas? (Online Lecturer).17 Feb 2021 Osoul Forum for Training and Consulting.
14. Criteria of Defining Research Problem Statement. (Online Lecturer).15 Feb 2021. Academics & Researchers Platforms (IFAD)
15. Techniques of writing Scientific CVs for Researchers and Academics. (Online Lecturer).18 Jan 2021. Academics & Researchers Platforms (IFAD)
16. Groundwater management from the perspective of integrated water resources management (Workshop) on 2nd Nov to 7 Des 2020. Online, The Arab Integrated Water Resources Management Network (AWARENET).
17. Creativity & Quality of Strategic Training and Impact of Training on Organizational Development (Workshop, 25 Hrs) on 30 March to 03 April 2014, Istanbul – Turkey.
18. Advanced Leadership Program (Prof. CEO). Institute of Leadership & Management (ilm) through Joint Efforts Group, 50 Hrs from 26 Jan to 6 Feb, 2014, Istanbul – Turkey.
19. Diploma Program as Certified Manager (30 Hrs). Professional Academy for Training and Consulting. on 18-23 Jan 2014, Benghazi-Libya
20. Sixth Meeting of the training departments and human resources. Educators Center, Address Hotel - Dubai Mall, on 8-12 Dec 2013, Dubai.
21. First Scientific Symposium on Renewable Energies, Faculty of Engineering, Sirte University, collaboration with the Executive Agency for Renewable Energies. on 3-4 Jun,2013, Sirte-Libya.
22. Workshop on Advance Statistical Analysis using SPSS, School of Graduate Studies, UPM, on 9-10 August 2011, Malaysia.
23. Workshop on Intermediate Statistical Analysis using SPSS, School of Graduate Studies, UPM, on 2-3 August 2011, Malaysia.
24. Lecture Series: Variable Selection and Model Building in Regression, Institute for Mathematical Research, Faculty of Science, UPM, on 28-29 June 2011, Malaysia.
25. Workshop on Basic Statistical Analysis using SPSS, School of Graduate Studies, UPM, on 23-24 June 2011, Malaysia.

26. R Workshop, Institute for Mathematical Research, Faculty of Science, UPM, on 13-14 June 2011, Malaysia.
27. LaTeX Software Workshop, School of Graduate Studies, UPM, on 30-31 May 2011, Malaysia.
28. LaTeX Software Seminar, School of Graduate Studies, UPM, on the 30th May 2011, Malaysia.
29. Scientific writing and publishing in Journal Seminar, School of Graduate Studies, UPM, on 20th May 2011, Malaysia.
30. Step-by-Step Approach to Manuscript Writing and Publishing Seminar, School of Graduate Studies, UPM, on 6th May 2011, Malaysia.
31. Enhancing Presentation Skills Seminar, School of Graduate Studies, UPM, on 31st May 2011, Malaysia.
32. A short course in Storm Water System for Urban Environment, July 2002, Faculty of Engineering, UPM, Malaysia.

Research Experience

- 1 " Assessment of groundwater quality for drinking purposes using the Water Quality Index (NSFWQI) in Al-Dafiniya, Misurata, Libya". M.S Thesis in Department of Environmental Engineering and Sciences Libyan Academy, Misurata, 2022 (in process).
- 2 " Assessment of groundwater quality for drinking purposes using the Water Quality Index (WQI) in Al-Dafiniya, Misurata, Libya". M.S Thesis in Department of Environmental Engineering and Sciences Libyan Academy, Misurata, 2022 (in process).
- 3 "Study of physiochemical properties of the surface water wells for drinking purposes in Zliten city- Libya". M.S Thesis in Department of Environmental Engineering and Sciences Libyan Academy, Misurata, 2019 (in process).
- 4 "Study of the quality of groundwater for Agricultural use in Swawa Region - Sirte Libya". M.S Thesis in Department of Environmental Engineering and Sciences Libyan Academy, Misurata, 2021.
- 5 "Assessment of the Suitability of Treated Wastewater from Sasso Basin for Agricultural Use". M.S Thesis in Department of Environmental Engineering and Sciences Libyan Academy, Misurata, 2021.
- 6 "Study of Soil infiltration in a field" B.S. Final Project in Soil and Water Dept, Sirte University, Libya, July 2014.

- 7 "Study of Hydraulic Conductivity in a farm" B.S. Final Project in Soil and Water Dept, Sirte University, Libya, Feb 2014.
- 8 "Estimation of Evapotranspiration from MRP Farms" B.S. Final Project in Soil and Water Dept, Sirte University, Libya, July 2013.
- 9 "Prediction of Evaporation from Algardabiya Reservoir" B.S. Final Project in Soil and Water Dept, Sirte University, Libya, Feb 2013.
- 10 "Evaporation Reduction from Impounding Reservoir" Ph.D Thesis 2011. UPM, Malaysia.
- 11 "Design of Irrigation System of a Farm" B.S. Final Project in Soil and Water Dept, Sirte University, Libya, July 2005.
- 12 "Study Design of Primary Treatment Unit of Sirte Sea Water Desalination Plant." B.S. Final Project in the field of Civil Engineering Dept, Sirte University, Libya, July 2005.
- 13 "Analysis of Flow through Plastic Manifold Using a Physical Model.", M.S. Thesis 2003. UPM, Malaysia.

List of Publications

Journals

1. Taleb, H. S., Suleiman, A. A., Abu-Rayyan, A. M., Ekhmaj, A. I., and Benzaghta, M. A. (2022). Water Deficit at Different Growth Stages of Potato (*Solanum tuberosum* L.). Al-mukhtar Journal of Sciences, 37:(4).
2. Amaref, M. A., Benzaghta, M. A., Issa, I., Barka, A. H., and Ashmila, A. R. (2022). Effect of some Inorganic Substances to Improve Growth of Coriander (*Coriandrum sativum* L.) and Properties of Sandy Soil under Salinity Condition. Sirte University Scientific Journal (Applied Sciences) 13:(1), 39-52
3. Ashmila, A. R., Benzaghta, M. A., Abunouwer, A. I., Eljetlawi, M. M., and Amaref, M. A. (2021). Study of Seawater Intrusion to the First aquifer of Zliten Area, Libya. The Libyan Journal of Agriculture. 26:(1), 1-16.
4. Benzaghta, M. A., Elwalda, A., Mousa, M. M., Erkan, I., and Rahman, M. (2021). SWOT analysis applications: An integrative literature review. Journal of Global Business Insights, 6:(1), 54-72.
5. Al Sadea, Y. B., Attya, R. M., and Benzaghta, M. A. (2020). Study of Irrigation Water Quality of Agricultural Projects in Misurata Area,

- Misurata. Libya. Journal of Misurata University for Agricultural Sciences (JMUAS). 1:(2), 465-478.
6. Milad, R. A., Benzaghta, M. A., and Amarif, M. A. (2019). An evaluation study on the efficiency of using sand filters to purify wastewater. *The International Journal of Engineering and Information Technology (IJEIT)* 6:(1), 16-21.
 7. Milad, R. A., Benzaghta, M. A., and Amarif, M. A. (2019). The effect of reusing treated wastewater in irrigation on some chemical soil properties and wheat crop growth. *Journal of Misurata University for Agricultural Sciences (JMUAS)*. 1:(1), 196-208.
 8. Shagluof, M. M., Benzaghta, M. A., Makhlof, H. A., and Abusta, M. A. (2019). Scheduling Drip Irrigation for Agricultural Crops using Intelligent Irrigation System. *Journal of Misurata University for Agricultural Sciences (JMUAS)*. 1:(1), 244-255
 9. Nistor, M. M., Mîndrescu, M., Petrea, D., Nicula, A. S., Rai, P. K., Benzaghta, M. A., & Porumb-Ghiurco, C. G., (2019). Climate change impact on crop evapotranspiration in Turkey during 21st century. *Meteorological Applications*. 26:(3), 442-453. doi.org/10.1002/met.1774.
 10. Barka, A. H., Benzaghta, M. A., and Kasheem, A. M. (2018). Effect of Different Organic Matters on Chemical Properties of Calcareous Soil. *Sirte University Scientific Journal (Applied Sciences)* 8:(2), 101-110.
 11. Ekhmaj, A. I., Almdny, A. M., Mousa, A. A. and Benzaghta, M. A. (2018). Assessment of the Vulnerability of the Shallow Coastal Aquifers to Seawater Intrusion using the GALDIT Model: Tripoli as a Case Study. *The International Journal of Engineering & Information Technology*, 5:(1), 15-20.
 12. Nistor, M.-M., Man, T. C., Benzaghta, M. A., Nedumpallile Vasu, N., Dezs, Ş. and Kizza, R., (2018). Land Cover and Temperature Implications for the Seasonal Evapotranspiration in Europe. *Geographia Technica*, 13:(1), 85-108. (*IF Journal*)
 13. Benzaghta, M. A., Ahmed M. Al-Wadaey, A. M. and Dahab, M. F., (2016). Using GIS For Water Resources Management in Nebraska: A Case Study. *Sirte University Scientific Journal (Applied Sciences)* 6:(2), 41-54.
 14. Benzaghta, M. A and Lawgali, Y. F., (2014), Estimation of Evapotranspiration using Climate Models: A Case Study in semi-arid region-Libya. *Sirte University Journal*, 4(1): 27-34.
 15. Benzaghta, M. A., (2014), Estimation of Evaporation from a Reservoir in Semi-arid Environments using Artificial Neural Network and Climate

- Based Models. *British Journal of Applied Science & Technology*, 4(24): 3501-3518.
16. Benzaghta, M. A. and Ekhmaj, A. I., (2013). Estimation Reference Evapotranspiration of Sirte region using Artificial Neural Network. *The Libyan Journal of Agriculture*, 18 (1,2): 1-14.
 17. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., (2012) , Prediction of Evaporation in Tropical Climate using Artificial Neural Network and Climate Based Models. *Scientific Research and Essays*, 7(36): 3133-3148. (ISI Journal)
 18. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., (2012) Testing Evaporation Reduction Floating Covers in Humid Climate. *Water Management (ice)*., 166 (4): 207-216. (*Impact Factor Journal*)
 19. Benzaghta, M. A., Mohammed, T. A. and Ekhmaj, A. I., (2012), Prediction of Evaporation from Algardabiya Reservoir. *Libyan Agriculture Research Center Journal International*, 3 (3): 120-128.
 20. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., (2012), Validation of Selected Models for Evaporation Estimation from Reservoirs Located in arid and semi-arid regions. *Arabian Journal for Science and Engineering*, 37: 521-534. (*Impact Factor Journal*)
 21. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., (2011), Comparison Evaporation Estimate Models for Surface Evaporation in Semi arid region of Libya: A Case Study. *Canadian Journal of Civil Engineering*. 38(12): 1373-1380. (*Impact Factor Journal*)
 22. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., (2010), Study on Simplified Model for Estimating Evaporation from Reservoirs. *Australian Journal of Basic and Applied Sciences*. 4(12): 6473-6482. (ISI Journal)
 23. Mohamed, T. A. and Benzaghta, M. A, Experimental Study on the Friction Loss and Uniformity of Lateral Discharges along a Manifold. *Journal Institution of Engineers*, Vol. 64 (2)., 2003.

Conferences

1. Benzaghta, M. A., Mohammed, T. A. and Dahab, M. F., Simulation of Evaporation from a Reservoir in Semiarid Region., *Water Arabia 2013 Conference. Innovative Water and Wastewater Technologies for a Sustainable Environment*, Khobar, Saudi Arabia, February 4-6, 2013.

2. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., Assessment of Evaporation Estimation Models for Use in Semi-arid Region: A Case Study., *International Symposium on Sustainable Systems and the Environment*. Sharjah-UAE, March 23-24, 2011.
3. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., Simplified Model for Estimating Evaporation from Reservoirs. Proceeding of *World Engineering Congress, Conference of Natural Resources and Green Technology*, Kuching Sarawak, Malaysia, pp96-106, August 2–5, 2010.
4. Benzaghta, M. A. How to Make Interactive PowerPoint Presentation. *1st Conference of Development of Research Skills*. UPM, Malaysia, April 18, 2009. Organizing by the Libyan Students Union in Malaysia.
5. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., Evaporation from Reservoir and Reduction Method an Overview and Assessment Study. *International Engineering Convention*. Domascus, Syria and Medinah, Kingdom of Saudi Arabia, May 11-18, 2009.
6. Benzaghta, M. A., Mohammed, T. A., Ghazali, A. H. and Soom, M. A., An Effect of Global Warming on Evaporation: Overview of Evaporation Reduction Methods from Impounding Reservoirs. *25th Arabian Engineering Conference*. Tripoli, Libya, November 16-18, 2009.
7. Benzaghta, M. A. and Tamer, A. M, Integrating GIS with Rainfall-Runoff Modelig of Watershed: An Over View. *National Conference on Biodiversity Conservation*. UPM, Malaysia, August 20-21, 2008.
8. Benzaghta, M. A., Ozonation in Wastewater Treatment. *First National Conference on Wastewater Treatment and Technology*. Benghazi, Libya, June 6-8, 2005

Peer Reviewer

1. Peer reviewer for the British Journal of Mathematics and Computer Science.
2. Peer reviewer for Journal of Scientific Research and Reports
3. Peer reviewer for the African Journal of Environmental Science and Technology
4. Peer reviewer for Hydrological Sciences Journal
5. Peer reviewer for Journal of Experimental Agriculture International
6. Peer reviewer for Quaternary International Journal
7. Peer reviewer for Sirte University Scientific Journal
8. Peer reviewer for The Libyan Journal of Agriculture
9. Peer reviewer for The Journal of Misurata Uni for Agricultural Sciences
10. Peer reviewer for The Academic Research Journal

Honors & Awards

1. Scholarship for PhD. Degree at Universiti Putra Malaysia, from Sirte University, Sirte, Libya.
2. Scholarship for M.S. Degree at University Putra Malaysia from Sirte University, Sirte, Libya.
3. Member of Staff Affairs, Sirte University
4. Member of ASCE (American Society of Civil Engineers)
5. Member of WEF (Water Environment Federation)
6. Member of NWEA (Nebraska Water Environment Association)
7. Member of EWRI (Environmental & Water Resources Institute of the American Society of Civil Engineers)
8. Member of LSCE (Libyan Society of Civil Engineers)
9. Member of Development Experts Academy (DEA)

Referees:

1. Prof Dr. Abdel Magid Hamouda, Mechanical Eng Dept, Oatar University.
Email: hamouda@qu.edu.qa
2. Prof Dr. Mohamed F. Dahab, Civil Eng Dept, University of Nebraska-Lincoln.
Email: mdahab@unl.edu
3. Prof Dr. Thamer A. Mohamed, Civil Eng Dept, Universiti Putra Malaysia.
Email: thamer@eng.upm.edu.my
4. Prof Dr. Abdul Halim Gazeli, Civil Eng Dept, Universiti Putra Malaysia.
Email: abdhalim@eng.upm.edu.my

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