

نموذج السيرة الذاتية الموحد لأعضاء هيئة التدريس

البيانات الأساسية		
	عثمان محمد نجار علي	الاسم
الرتبة العلمية + أي منصب إداري داخل الجامعة	أستاذ مشارك	الوظيفية
الكلية أولاً ثم أي جهة يعمل بها داخل الجامعة	كلية الهندسة	الجهة
داخل الكلية فقط	قسم الهندسة المدنية	القسم
الهاتف + التحويلة	+966503599710	رقم الهاتف
البريد الجامعي الرسمي فقط	onajjar@bu.edu.sa	البريد الإلكتروني
خارج نطاق الجامعة		الموقع الشخصي

Basic Information		
Name	Osman Mohamed Najjar Ali	
Position	Associate Professor	Academic position + any other position inside BU
Employer	Faculty of Engineering	Faculty first then others
Department	Civil Engineering Department	Inside the faculty only
Phone	+966503599710	Phone # + Ext.
Email	onajjar@bu.edu.sa	BU official Email only
Website		Outside the BU

المؤهلات	
هندسة الموارد المائية	الدكتوراه
إدارة استخدامات المياه	الماجستير
الهندسة المدنية	البكالوريوس
	أخرى

Qualifications	
PhD	Water Resources Engineering
Masters	Water Use Management
Bachelor	Civil Engineering
Other	

الاهتمامات البحثية

- تنمية الموارد المائية وإدارتها ،
- إدارة استخدام المياه ،
- حصاد المياه ،
- إمدادات المياه ومعالجتها ونقلها وتوزيعها
- تصميم المنشآت المائية

● تكتب في شكل قائمة نقطية (●)

Research Interests

- Water Resources development and management,
- Water Use Management,
- Water Harvesting,
- Water supply treatment, transmission and Distribution
- Design of hydraulic structures.
- Should be written in a bullet list (●).

النشر العلمي Publications

Scopus	Scope Database Article Link: https://sdbindex.com/documents/00000563/00001-67078.pdf Scope Database Article Link: https://sdbindex.com/documents/00000563/00001-67023.pdf	Scopus Author ID
Google Scholars		User ID or link
Microsoft Academic		User ID or link
Research Gate	https://www.researchgate.net/profile/Osman-Nagar-2?ev=hdr_xprf&_sg=rDkEH-ci0truegaZaK4vNH-DPB3YEleVTaYIAYCqgsLmPZiuoScsvvoJ5CmX8JUFBJJj94FRFY1DUuG0zh1KXSGR	Inside the faculty only
dblp		link
Researcher ID		User ID or link

ORCID		ORCID ID
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التدريس				
الفصل الدراسي	ساعات الاتصال	الساعات المعتمدة	عنوان المقرر	رمز المقرر
الأول	4	3	هيدروليكا	CIVE 1509
الأول	3	3	تفاضل و تكامل 1	CALC1001
الأول	2	2	اقتصاد هندسي	ENG1251
الثاني	3	3	منشآت هيدروليكية	CIVE 1786
الثاني	3	3	إحصاء هندسي	Stat 1250

Teaching				
Course #	Course	Credit Hours	Comm. Hours	Term
CIVE 1509	Hydraulics	3	4	First
CALC1001	Calculus 1	3	3	Second
ENG1251	Engineering Economy	2	2	First
CIVE 1786	Hydraulic Structures	3	3	
Stat 1250	Engineering Statistics	3	3	

السيرة الذاتية CV

1. **Name:** Osman Mohamed Najjar Ali

2. Education

Degree	Field	Institution	Year
B.Sc.(Honours)	Civil Engineering	University of Khartoum, Sudan	1978
M.Eng.(Honours)	Water Use Management	University of Roorkee (Now: Indian Institute of Technology , Roorkee), India	1992
Ph.D.	Water Resources Engineering	Baghdad University, Iraq	1999

3. Academic Experience

Institution	Rank/Title	Dates
Omdurman Islamic University, Sudan	Assistant Professor of Civil Engineering Department.	1992-2002
Omdurman Islamic University, Sudan	Academic Secretary of Omdurman Islamic University,	2000-2002
Omdurman Islamic University, Sudan	Associate Professor, UNESCO Chair in Water Resources	2003-2005
Omdurman Islamic University	Head of Civil Engineering Department at the Faculty of Engineering (3 times).	1995, 1999, 2008
Omdurman Islamic University	Editor-in-Chief of Journal of The Faculty of Engineering.	2005
AlBaha University	Associate Professor of Civil Eng. Dept.	2013
AlBaha University	Associate Professor and Head of the Civil Eng. Department	2014- Sept.2017
AlBaha University	Associate Professor of the Civil Eng. Department	Sept. 2017-Date

4. Non-Academic Experience

Company/Entity	Title	Description	Dates	Full/Part Time
Sudan Railway Corporation	Engineer	Design Civil Engineer,	1978-1979	Full Time
National Corporation for Construction and Maintenance for Municipal Works, Libya	Project Manager	Site Works Supervision (Waste Water Treatment Plant)	1980-1983	Full Time
Al Rajhi and Al Odaiby Company, KSA	Project Manager	Site Works Supervision, Riyadh Water Supply Project.	1983-1986	Full Time
National Urban Water Corporation, Sudan	Project Manager, Chief Engineer	Design and Construction of treatment plants, transmission lines and distribution networks	1988-1995	Full Time
Khartoum State Water Corporation, Sudan	Project Manager, Consultant	Consultation works	2005-2007	Full Time
Mott MacDonald, Abu Dhabi, UAE	Senior Water and Wastewater Engineer	Engineering Consultancy Works	2007-2009	Full Time
ILF Consulting Engineers, Abu Dhabi, U.A.E.	Senior Water and Wastewater Engineer	Engineering Consultancy Works	2011	Short Assignments
Khartoum State Water Corporation, Sudan	Manager, General Directorate for Projects	Design and Construction of treatment plants, transmission lines and distribution networks	2010 –2011	Full Time
Khartoum State Water Corporation, Sudan	Acting Director General	Directing all activities of Khartoum State Water Corporation	2011	Full Time
Shoura Consult, Khartoum, Sudan	Water Networks Design Team Leader	Engineering Consultancy Works	2010– 2013	Part time
YAS Consulting Engineers, ILF Group, Muscat, Sultanate of Oman	Senior Water Supply Engineer and Hydraulics Engineer	Engineering Consultancy Works	2011-2012	Intermittent Short Assignments
Newtech Consultancy, Khartoum, Sudan	Water Networks Design Team Leader	Engineering Consultancy Works	2012– 2013	Part time

5. Professional Registrations

- Sudan Engineering Council

6. Current Membership in Professional Organizations

- Member of the Nile Basin Capacity Building Network in River Engineering,
- Member of the Executive Committee of Water Technology Society, Sudan,
- Member of the Executive Committee of Sudan Water Partnership,
- Member of the Water Technology Association, Egypt,
- Member of the American Society of Civil Engineers,
- Member of the Sudanese Engineering Society,
- Life Member of the Indian Water Resources Society,
- Life Member of the Indian Association of Hydrologists,
- Member of the International Association for Hydrological Sciences, U.K,
- Member of the International Association for Hydraulic Research, Netherlands,
- Member of the Arab Institute for Operation and Maintenance, Beirut, Lebanon.

7. Honors and Awards

- BSc. Honors in Civil Engineering, University of Khartoum
- Master of Engineering with Honors in Water use Management, IIT Roorkee, India

8. Service Activities

- August 2013- Date: Al Baha University, Al Baha, Kingdom of Saudi Arabia, Position: Associate Professor, Head of the Civil Engineering Department, Faculty of Engineering. Subjects
- October 2012– August 2013: Newtech Consultancy, Khartoum, Sudan, Position: Water Networks Design Team Leader
- December 2011-November 2012 (Short Assignments): YAS Consulting Engineers, ILF Group, Muscat, Sultanate of Oman, Positions: Senior Water Supply Engineer and Hydraulics Engineer.
- September 2010– 2013: Shoura Consult, Khartoum, Sudan, Position: Water Networks Design Team Leader.

- July 2011–December 2011: Acting Director General, Khartoum State Water Corporation (KSWC), Sudan.
- July 2010 –July 2011: Khartoum State Water Corporation (KSWC), Position: Manager, General Directorate for Projects, Sudan
- June-July 2011 (Assignments): ILF Consulting Engineers, Abu Dhabi, U.A.E., Positions: Senior Civil Engineer, Senior Hydraulics Engineer
- February 2010– December 2010: Higher Council for Environment & Natural Resources, Sudan, Position: Project Manager & Design Team Leader.
- Aug. 2007 – Sept. 2009: Mott MacDonald Group, Abu Dhabi, UAE, Position: Senior Water and Wastewater Engineer, Technical Water Teams Leader, Middle East Water and Environment Division.
- 2005 – 2007: Khartoum State Water Corporation, Sudan, Position: Project Manager/Water Projects Consultant – Projects Directorate
- 2003 – 2005: Deputy Director – UNESCO Chair in Water Resources, Sudan
- 2000-2002: Academic Secretary, Omdurman Islamic University, Sudan
- **SUPERVISION OF MASTER DEGREE STUDENTS:**
 - i-* “*Efficient Operation and maintenance of Hydropower Plant (Case Study)*,” by Ahmed Hamza, UNESCO Chair in Water Resources, Khartoum, 2005
 - ii-* “*Engineering Management and its Impact on Productivity*” (in Arabic), by Bakri Mohammed Adam, Faculty of Engineering Sciences, Omdurman Islamic University, 2005
 - iii-* “*Assessment of Water Quality and Health Impacts in Errabad Turda (Lake)*,” by Ebn Ouf Nasri Abdelwahab, UNESCO Chair in Water Resources, Khartoum, 2005

- iv- *“Effect of Water Quality on Pump Material,”* by Mukhtar Abbakar Adam, UNESCO Chair in Water Resources, Khartoum, 2006
- v- *“ Effect of Water Column Characteristics on the Performance of Hydraulic Turbines (case study),”* by Mirghani Mohammed, UNESCO Chair in Water Resources, Khartoum, 2006
- vi- *“Selection, Operation and Maintenance of Pumps,”* by Ahmed Hassan Osman, UNESCO Chair in Water Resources, Khartoum, 2007
- vii- *“Study of Kosti Drinking Water Supply: Existing and Proposed,”* by Rahama Elemam Hammad Hussein, UNESCO Chair in Water Resources, Khartoum, 2007
- viii- *“Evaluation of Hydraulic Aspects of Spillway Design, Case Studies: Merowe Dam (Sudan) and Aubailla Dam (Iraq),”* by Ghassn Khalaf Khaleed, Faculty of Engineering Sciences, Omdurman Islamic University, 2008.
- ix- *“Economic feasibility of the Seawater Desalination Plant (case Study),”* by Ahmed ELtayeb Mohammed ELhadi, UNESCO Chair in Water Resources, Khartoum, 2008.
- x- *“Drinking Water Networks Problems and Proposed Solutions: Case Study of Khartoum North Network,”* by Hashim Hassan Mahgoub, UNESCO Chair in Water Resources, Khartoum, 2009
- xi- *“Evaluation of Water Harvesting Experience in Khartoum State: Algaily Area as a case study,”* by: Ahmad Sid Ahmed Omer, UNESCO Chair in Water Resources, Khartoum, 2010
- xii- *“Optimum Design, Operation, Construction, & Maintenance of water Wells (Case study),”* by Amin Osman Ali Mohammed, UNESCO Chair in Water Resources, Khartoum, 2010.
- xiii- *“Water Harvesting Potential at Al Monsurab Area,”* by Abdel bagi ALbasha Abdel Samad ALfaris, UNESCO Chair in Water Resources, Khartoum, 2011.
- xiv- *“Assessment and Development Options of Water Harvesting Techniques Used In Sudan”*, by Alhilu Bashier Eisa, UNESCO Chair in Water Resources, Khartoum, 2014.
- xv- *“Optimum Spacing and Arrangement of Water Wells”*, by Mohamed Khalid Hussein, UNESCO Chair in Water Resources, Khartoum, 2014.
- xvi- *“Study of the Water Supply System for the Resettled Communities West of Atbara River”*, by: Mohammed Maki Mahgoub Mohammed, UNESCO Chair in Water Resources, Khartoum, 2015.
- xvii- *“Study of the Water Supply System for the Resettled Communities East of Setit Dam”*, by: Mojtaba Hassan Ahmed Mohammed, UNESCO Chair in Water Resources, Khartoum, 2015.

- **SUPERVISION OF Ph.D DEGREE STUDENTS:**

- i. *“Computer Aided Study of the Water Supply system in Sharjah City, UAE”*, by: Mohammed Hassan, Sudan Academy for Science and Technology, Khartoum.
- ii. *“Water Harvesting Experiences and their Impact of the Integrated Water Resources in Kassala State, Sudan”*, by: Ahmed Sidahmed Omer, Sudan Academy for Science and Technology, Khartoum.
- iii. *“Development of a Decision Support System for Urban Water Consumption Rationalization in Saudi Arabia, Case Study Baljurashi Governorate”*, by: Gamal Khalid Mohamed, UNESCO Chair in Water Resources, Khartoum, Sudan

9. Principal Publications

Chawla, A.S. and Nagggar, O.M (1997), “Economic Analysis of Ground Water,” Water and Energy International Journal, India, Volume 54, Issue 3

Ahmed, AA; Siyam, AM; Hamad, SE and Nagggar, OM (2002), “Capacity Building in Water Resources,” Workshop in Scientific Research in water Sector, Khartoum Sudan

Siyam, AM; Nagggar, OM; Hammad, ZH; Abdelraheem, K; Mustafa, SE; Abbo, SM and Tagalawi, SE (2002), “Water Supply, Storage and Distribution” in Water Supply (in Sudan) Problems and Solutions Conference, Khartoum Sudan.

.Ahmed, AA and Nagggar, OM (2003), “Rainwater Harvesting: Concepts and Techniques,” Water Harvesting Conference, Khartoum, Sudan.

Nagggar, OM; Mohamed, AA; A/Raheem, EM; Toum, MM; Alseid, ZM and A/Majid IM (2003) “Optimum Investment of Rainwater Harvesting Techniques,” Water Harvesting Conference, Khartoum, Sudan.

Nagggar, OM (2003), “Groundwater Production Cost,” Seventh International Water Technology Conference, Cairo, Egypt, Also Published in the Arab World Water Journal.

Nagggar, OM (2003), “Future of Scientific Research in water Resources in Sudan,” World Water Day, Khartoum, Sudan.

Nagggar, OM (2004), “Decision Support System in Water Management,” Eighth International Water Technology Conference, Alexandria, Egypt.

Nagggar, OM (2004), “Capacity Building in River Morphology” the International Conference on Security and Sustainability in Water Resources, Katmandu, Nepal.

Nagggar, OM (2005), “Optimum Design and Construction of Water Wells” the Ninth International Water Technology Conference, Sharm Al Sheikh, Egypt.

Naggar, OM (2005), “Efficient Operation and Maintenance of Surface Water Treatment Plants in Sudan,” Fourth Water International Conference, Beirut, Lebanon.

Naggar, OM (2006), “Rural Rainwater Harvesting: Concept, Techniques, Social and Economical Impacts,” First Symposium on Operation and Management of Dams in Kingdom of Saudi Arabia, Riyadh, Kingdom of Saudi Arabia.

Naggar, OM (2006), “Cost Analysis of Water Transmission Using Pipelines,” the International Conference for Operation and Maintenance, Beirut, Lebanon.

10. Most Recent Professional Development Activities

- Scientific papers:

Najjar, OM, Alkhuzai, KA, (2020), “Design and Cost Analysis of Water Transmission in Mountainous Topographies using Pipelines,” Water and Environment Journal, UNESCO chair in Water Resources, Sudan.

Mohamed, G.K., Alkhuzai, K.A., Najjar, O.M., Hilmi, H.S. (2022), “Multi-Dimensional Modelling Tools Supporting Decision-Making for Water Consumption Rationalization” World Journal for Engineering Research and Technology, *wjert*, 2022, Vol. 8, Issue 4, 265-278

Mohamed, G.K., Albaggar, A.K., Najjar, O.M., Hilmi, H.S. (2022), “Knowledge, Attitude and Practices as a Decision-Making Tool for Water Consumption Rationalization in Baljurashi Governorate of Saudi Arabia” World Journal for Engineering Research and Technology, *wjert*, 2022, Vol. 8, Issue 4, 419-436.

- Attended the following training courses and workshops:

رقم	اسم الدورة	الجهة المنظمة	التاريخ
1	Knowledge Summit فعاليات قمة المعرفة 2022	مؤسسة محمد بن راشد آل مكتوم للمعرفة-دي دولة الإمارات العربية المتحدة- حكومة دبي	March-May 2022
2	GIS for the Non-Conventional Water and Groundwater (An interactive tool for socio-economic evaluation and decision support)	مؤسسة الكويت للتقدم العلمي و جمعية المياه الكويتية و شركة GREENWAVE	6-3 أكتوبر 2021
3	Design of Sanitation Networks Using Sewer CAD Software	مؤسسة الكويت للتقدم العلمي و جمعية المياه الكويتية و شركة GREENWAVE	12-8 أغسطس 2021

