



جامعة محمد الشريف مساعديّة - سوق أهراس
Mohammed-Cherif Messaadia University - Souk-Ahras
Fculty of science & Technology
Dept. Of Civil Engineering



Curriculum Vitae
Pr. Lotfi ZEGHADNIA
September 2023

Head of the Laboratory MASESE “ Modélisation et Analyse Socio-Economique
en Science de l’Eau”

1. Full name and date

- Name: Lotfi ZEGHADNIA
- Gender : Male
- Date of writing the CV: 09/2023

2. Date and place of birth, nationality, current residence

- Date of Birth: 13 April 1979, Souk Ahras, Algeria
- Citizenship: Algerian

3. Education and degrees awarded

- Full Professor : December 2020
- H.D.R (Habilitation à Diriger des Recherches): June 2016.
- Ph. D. Thesis (October 2014): Dept. of hydraulic, Faculty of Science and Technology, University of Badji Mokhtar, Annaba , Algeria.

Title: “*Contribution to the computation of sewer network for two cases of flow: steady and unsteady*”.

Jury :

- ✓ Pr. Djimili Lakhdar, University of Badji Mokhtar, Annaba City, Algeria, Supervisor,
 - ✓ Pr. Ouerdachi Lahbassi, University of Badji Mokhtar, Annaba, Algeria, president
 - ✓ Pr. Djabbar Yassine, University of Souk Ahras, Algeria, referee,
 - ✓ Pr. Abderrahmen Boudoukha, University of Batna, Algeria, referee,
 - ✓ Pr. Amarchi Hocin, University of Annaba, Algeria referee,
 - ✓ Dr. Salim Heddami, University of Skikda, Algeria referee,
 - ✓ Pr. Houichi Larbi, University of Batna, Algeria, Invited member.
- Magister Thesis (2007): Dept. of hydraulic, Faculty of science and technology, University of Badji Mokhtar, Annaba, Algeria.

Supervisor: Pr. Bachir Achour, University of Biskra, Algeria,

Title: “*Computation of pressurized turbulent flow in full pipe- New approach*”

- Engineer in urban water (2003): Dept. of hydraulic, Faculty of science and technology, University of Badji Mokhtar, Annaba, Algeria.

Supervisor: Mr. Rezgui Nourdin, University of Souk Ahras, Algeria

Title:” *Water supply system of Souk Ahras City*”.

4. Other education and training

- Senior technician in computer science (programming).
- NLP Training (Methods of Communications).
- Electronic program in Balanced life (From Gulf innovation Academy for e-training)

5. Linguistic skills

- mother tongue: Arabic
- Other languages: French, English.

6. Positions History

- Full Professor, University of Souk Ahras, Algeria, Since 12//2020
- Senior Lecturer, University of Souk Ahras, Algeria, 06/2016 – 12//2020
- Lecturer, University of Souk Ahras, Algeria, 10/2014 – 10/2016,
- Assistant professor, University of Souk Ahras, Algeria, 12/2008 - 10/2014,
- Member of the University Scientific Council: 07/11/2018 - 07/11/2021
- Member of the University Scientific Council: 05/2014 - 05/2015
- Member of the Faculty Scientific Council: 05/2014 - 05/2017
- Member of the dept. Scientific Committee, 11/2017- 11/2020
- Member of the dept. Scientific Committee, 05/2014 - 05/2017
- Vice Dean of the faculty of science and technology (Post graduate studies) 04/2017
- Head of the Civil engineering Dept 10/2014 - 05/2015.
- Head of the Civil engineering Dept 02/2009 - 01/2010
- Head of the Urban Water speciality : 2011 - 2013
- Head of the Laboratory MASESE “*Modélisation et Analyse Socio-Economique en Science de l’Eau*” Since 08/2021
- Head of research team: laboratory INFRARES, Souk Ahras university, From 05/2016 to 04/2021,
- Member of scientific committee for the international conference 2019: Environment Risk Assessment/ Souk Ahras University.
- Member of scientific committee for the International Symposium “WREIANA2021”- October 1-3, 2021, Sousse-Tunisia
- Member of International Association of Water Resources In The Southern Mediterranean Basin (IAWRSMB)‡
- Member of Doctoral Studies Committee : Annaba university : 2019-2022
- Member of Doctoral Exams Committee : Annaba university : 2019-2022
- President of doctoral committee: Souk Ahras University: 2022-2025
- Head of water science doctoral committee 10/2022 – 07/2025

7. Previous work experience

- Assistant professor (part-time), University of Souk-Ahras, Algeria, 2007 – 2008.
- Engineer at the national office of sewerage , 2006 – 2008
- Engineer at the directorate of water resources – ONA- Souk Ahras State, 2005 – 2006
- Engineer at Design office 2004 – 2005,
- Caring out of two studies of drinking water supply system: Mechta Elbaydha And Ouillen/Souk Ahras, Algeria.

8. Merits in teaching and pedagogical competence

Graduation				
ID	Courses	Level		
		Classical system	Basc	Master
01	Sewer network II			Master 01
02	Organization of the urban hydraulics site works			Master 02
03	Irrigation		Basc	
04	Hydraulic engineering II		Basc	
05	How to prepare an end studies report		Basc	
06	Water ressources management			Master 01
07	Free surface flow			Master 01
08	Pressurized flow			Master 01
09	Risks management			Master
10	Hydraulic engineering	Classical system	Basc	
11	Drinking water supply		Basc	
12	Programmation, TP,	Classical system	Basc	
13	Management of constuction sites			Master
14	Hydrauliv engineering and hydrology		Basc	
15	Fluid mechanics		Basc	
16	Design of Research subject for end of studies			Master

PostGraduation				
ID	Courses	Year	Class	
			Doctorat	Establishment
01	Traitment statistical data	2020	Phd students	University of Mohamed Cherif Messâadia, Souk-Ahras
02	Applied Hydraulic	2020		University of Badji Mokhtar, Annaba

9. Academic merits

- **Member of editorial board:**

Journal	Link
Journal of Civil Engineering and Construction	http://www.xpublication.com/index.php/jcec/about/editorialTeam
American Journal of Water Science and Engineering (AJWSE)	http://www.ajwse.org/editorialboard

- **Programming languages:**

- ❖ Qbasic,
- ❖ FORTRAN.
- ❖ **Software:** EPANET, MAP INFO, SWMM, SPSS, Grapher, Microsoft Office.

- **Reviewing service:**

1. Civil engineering (edited by KSCE, Springer),
2. Urban Water (edited by Taylor & Francis),
3. Journal of environment engineering research of Korean society of environment engineering (KSCE),
4. International conference on Water Resource and Environment, China (WRE 2016),
5. Journal of Pipeline Systems – Engineering and Practice, ASCE (American Society of Civil Engineers),
6. Journal of Irrigation & Drainage Engineering, ASCE (American Society of Civil Engineers),
7. Arabian Journal for Science and Engineering (Springer),
8. Journal of water and climate change,
9. Journal of Materials and Environmental Science,
10. Synthese Revue, Annaba university-Algeria,
11. Arabian Journal of Geoscience (Springer).

- **Conference: Scientific member**

1. The international symposium environment risk and Health; faculty of biologic sciences, Souk Ahras University, 5-6 Nov 2019.
2. Member of scientific committee for the International Symposium “WREIANA2021”- October 1-3, 2021, Sousse-Tunisia
3. Member of International Association of Water Resources In The Southern Mediterranean Basin (IAWRSMB)

10. PARTICIPATION IN GRADUATION AND POSTGRADUATION THESIS AND ORAL EXAMINATION COMMITTEES:

➤ **GRADUATION/ Master Thesis: Jury member**

Master Students	>>15
------------------------	------

➤ **POSTGRADUATION/ Phd thesis: Jury member**

ID	Candidate	University	Year
10	Phds: Khezazna Amina	University of Badji Mokhtar, Annaba	2017
11	Phds: Boussekine Mourad	University of Badji Mokhtar, Annaba	2017
12	Phds: Guebail Abdelkrim	Université Mohamed Khaider, Biskra	2017
13	Phds: Kherfane Wahida	University of Badji Mokhtar, Annaba	2017
14	Phds: Lakhal Reda	University of Badji Mokhtar, Annaba	2018
15	Phds: Kechida Said	University of Badji Mokhtar, Annaba	2018
16	Phds: Boukhari Sofiane	University of Badji Mokhtar, Annaba	2018
17	Phds: Bounaadja Zoulikha	University of Badji Mokhtar, Annaba	2019
18	Phds: Bouras Farida	University of Badji Mokhtar, Annaba	2019
19	Phds: Chabi Moncef	University of Badji Mokhtar, Annaba	2019
20	Phds:Tourki Mahmoud	University of Badji Mokhtar, Annaba	2019
21	Phds:Sebbar Abderezak	University of Badji Mokhtar, Annaba	2020
22	Phds: Foued Senaoui	University of Badji Mokhtar, Annaba	2020
23	Phds: Lakouaghat Nassima	University of Badji Mokhtar, Annaba	2021
24	Phds:ADJADJ Mustapha	University of Badji Mokhtar, Annaba	2021
25	Phds: Kadri Ismahen	University of 45 Mai, Guelma	2022
26	Phds: Sedira Saida	University of Souk Ahras	2022
27	Phds: Belloum Farid	University of 45 Mai, Guelma	2023
28	Phds: Dorbani Mariem	University of 45 Mai, Guelma	2023

- **POSTDOCTORAL: Habilitation Universitaire (H.D.R) / Jury member**

24	Dr. Koussa Mahmoud	Mohamed Kheider Universiy, Biskra	2018
25	Dr. Hebal Aziz	University of Badji Mokhtar, Annaba	2019
26	Dr. Boukhari Sofiane	University of Badji Mokhtar, Annaba	2019
27	Dr. Laouacheria Fares	University of Badji Mokhtar, Annaba	2019
28	Dr. Mrad dounia	University of Badji Mokhtar, Annaba	2019
29	Dr. Berhail Sabri	University of Badji Mokhtar, Annaba	2019

- **Assessment of pedagogical courses**

01	Polycopie de cours de Dr. Wacila Khoualdia, intitulé : « Hydrologie ».	University of Mohamed Cherif Messâadia, Souk-Ahras	2016/2017
02	Polycopie de cours de Dr. Sabri Daira, intitulé : « Traitement et Epuration des Eaux ».	University of Mohamed Cherif Messâadia, Souk-Ahras	2018/2019
03	Polycopie de cours de Dr. Dounia Mrad, intitulé : « Analyse et de la modélisation hydrologique ».	University of Mohamed Cherif Messâadia, Souk-Ahras	2018/2019
04	Polycopie de cours de Dr. Sofiane Boukhari, intitulé : « Ouvrages Hydrauliques ».	University of Mohamed Cherif Messâadia, Souk-Ahras	2018/2019
05	Polycopie de cours de Dr. Abdelkrim Guebail, intitulé : « Protection et gestion des périmètres irrigués ».	University of Mohamed Cherif Messâadia, Souk-Ahras	2018/2019
06	Polycopie de cours de Dr. Nafaa Dhikrane, intitulé : « Systèmes d'Informations Géographiques (SIG) ».	University of Mohamed Cherif Messâadia, Souk-Ahras	2019/2020

- **Membership of Doctoral training committee**

01	Supervision + doctoral contest	University of Badji Mokhtar, Annaba	Since 2016
----	--------------------------------	-------------------------------------	------------

- **Membership of a Scientific Committee**

01	The international symposium environment risk and Health; faculty of biologic sciences, 5-6 Nov.	Université de Mohamed Chérif Messaâdia -Souk Ahras	2019
----	---	--	------

- **Membership of Conference Organisation Committee**

01	Les outils de financement des services de l'eau et de l'assainissement en Algérie	Université de Mohamed Chérif Messaâdia -Souk Ahras	2015
----	---	--	------

11. Scientific Research

Journals

1. Said Kechida, Fares Laouacheria and Lotfi ZEGHADNIA (2023) Assessment of the combined effects of Manning roughness and DEM resolution for the water surface elevation prediction using the HEC-RAS model: a case study of Moudjar River in the Northeast of Algeria. *Modeling Earth Systems and Environment*, 09(), 1-11, Springer.
2. Lotfi ZEGHADNIA, Imad BOUKHARI, Ali REZAIGUIA, Fares LAOUACHERIA (2023) Discussion of “Direct Solutions for Uniform Flow Parameters of Wide Rectangular and Triangular Sections” Ahmed A. Lamri; Said M. Easa, M.ASCE; Mohamed T. Bouziane; Mohammad Bijankhan; and Yan-Cheng Han. DOI: 10.1061/(ASCE)IR.1943-4774.0001583. *Journal of Irrigation and Drainage Engineering*. ASCE, 149(01).
3. Saliha BOURANENE, Nora Sedira, Lotfi ZEGHADNIA and Abdelkrim GUEBAIL (2022) Kinetic Study of the Adsorption of Zinc and Copper Ions on to Activated Carbon Prepared from Date Pits. *International Journal of New Chemistry*, 09(01), 21-35, Iranian Chemical Science and Technologies Association.
4. Saliha BOURANENE, Ardjoune Amer Aouad, Abdeldjalil Gouassmia, Selma Djaber, Lotfi ZEGHADNIA and Abdelkrim GUEBAIL (2021) Study Of The Stability Of Water-In-Oil Emulsion Intended for the Extraction of Heavy Metals Application: Copper Ions. *Jordanian Journal of Engineering and Chemical Industries*, 04(02), 62-69, Al-Balqa Applied University.
5. Mohamed Amine BENSOLTANE, Lotfi ZEGHADNIA, Abdelkrim GUEBAIL, Ahmed Salah ARAIBIA, Fares LAOUACHERIA, Dounia MRAD and Lakhdar DJEMILI (2021) Controlling water supply quality: case study of Souk Ahras City in Algeria. *Euro-Mediterranean Journal for Environmental Integration*, 6(01), 1-9, Springer.
6. Mohamed Amine Bensoltane, Lotfi ZEGHADNIA, Nesrine BORDJI, Gagan Matta and Saliha BOURANENE (2021) Drinking water quality assessment using Principal Component Analysis: Case study of the town of Souk Ahras, Algeria. *Egyptian Journal of Chemistry*, 64(6), 3069 - 3075, NIDOC (Nat.Inform.Document.Centre).
7. Imad BOUKHARI, Lotfi ZEGHADNIA, Fares LAOUACHERIA, Ahmed Salah ARAIBIA, Abdelkrim GUEBAIL, Jean Loup ROBERT and Lakhdar DJEMILI (2021) Design of Collection System Parameters Using Known Reference Pipe Method (KRPM). *Asian Journal of Water, Environment and Pollution* , 18(03), 21-30, IOS PRESS.
8. Saliha BOURANENE, Khaled Djeffal, Lotfi ZEGHADNIA and Abdalhak Gheid (2021) Comparative study of leachate treatment by coagulation-

flocculation process using iron-based coagulants: A case study on Souk-Ahras city. *Journal of Applied Research in Water and Wastewater* , 08(01), 71-76, Razi University, Iran.

9. Mohamed Amine BENSOLTANE, **Lotfi ZEGHADNIA** and Rihab HADJI (2021) Physicochemical Characterization of Drinking Water Quality of the Communal Water Distribution Network in Souk Ahras City/ Algeria. *Civil Engineering Research Journal* , 12(02), 1-6, JUNIPER.
10. Imed Boukhari, **Lotfi ZEGHADNIA**, Lakhdar Djemili and Jean Loup Robert (2020) Closure to “New Approach for the Computation of the Water Surface Angle in Partially Filled Pipes: Pipes Arranged in Parallel” by Lotfi Zeghadnia and Jean Loup Robert. *Journal of Pipeline Systems - Engineering and Practice.* , 11(04), 07020002, American Society of Civil Engineers-ASCE.
11. **Lotfi ZEGHADNIA**, Jean-Loup ROBERT and Achour BACHIR (2019) Explicit Solutions For Turbulent Flow Friction Factor: A Review, Assessment And Approaches Classification. *Ain Shams Engineering Journal*, Elsevier , 10(01).
12. **Lotfi ZEGHADNIA**, Bachir ACHOUR and Jean Loup ROBERT (2019) Discussion of “Accurate and Efficient Explicit Approximations of the Colebrook Flow Friction Equation Based on the Wright ω -Function” by Dejan Brkić; and Pavel Praks, *Mathematics* 2019, 7, 34; doi:10.3390/math7010034. *Mathematics* , 7(3), 253, MDPI.
13. Nouredine ZENATI, Nabiha BELAHCENE, Asma REZAK, **Lotfi ZEGHADNIA**, Djelloul MESSADI and Ouahid BELKADI (2018) Origine de la degradation de la qualite des eaux d’oued medjerda en aval. Region de souk ahras. *International Journal Of Environment & water* , 7(2), 62-72, The Euro-Arab Organisation for the Environment, Water, and Desert Research.
14. Mohamed Amine Bensoltan, **Lotfi ZEGHADNIA**, Lakhdar Djemili, Abdalhak Gheid and Yassine Djebbar (2018) Enhancement of the free Residual Chlorine Concentration at the Ends of the Water Supply Network: Case Study of Souk Ahras City-Algeria. *Journal of Water and Land Development* , 38(VII–IX), , DE GRUYTER.
15. Abdelkrim GUEBAIL, Bouzian toufik, **Lotfi ZEGHADNIA**, Yassine Djebbar and Saliha BOURANENE (2017) Rainwater harvesting in Algeria: utilization and assessment of the physico-chemical quality Case study of Souk-Ahras region. *Courrier du savoir* , 23(Juin), 85-94.
16. **Lotfi ZEGHADNIA** and Jean-Loup ROBERT (2017) New Approach for the computation of The water surface angle in partially filled Pipe: Case of Pipes Arranged in Parallel. *Journal of Pipeline Systems Engineering and Practice*, 08(04), , ASCE (American Society of Civil Engineers).

17. **Lotfi ZEGHADNIA**, lakhdar djemili, Larbi houichi and Nouredine REZGUI (2015) Efficiency Of The Flow In The Circular Pipe. Journal of Environmental Science and Technology , 08(02), , Science Alert.
18. **Lotfi ZEGHADNIA**, Lakhdar Djemili and Larbi Houichi (2014) Analytical Solution for the Flow Velocity and Water Surface Angle in drainage and Sewer networks: Case of Pipes arranged in series. International Journal of Hydrology Science and Technology. , 04(01), 58-67, Inderscience.
19. **Lotfi ZEGHADNIA**, Djemili Lakhdar, Larbi Houichi and Rezgui nouredin (2014) New equation for the computation of flow velocity in partially filled pipes arranged in parallel. Water science and technology. IWA , 70(01), 160-166, The International Water Association.
20. **Lotfi ZEGHADNIA**, lakhdar djemili, larbi Houichi and Nouredin Rezgui (2009) Détermination de la Vitesse et la Hauteur Normale dans une Conduite Partiellement Remplie. European Journal of Scientific Research , 37(04), 561-566, Scientific Research Platform (SRP).

Book Chapters

1. Mohamed Amine BENSOLTANE, **Lotfi ZEGHADNIA**, Abdelkrim GUEBAIL, Ahmed Salah ARAIBIA and Lakhdar Djemili (2021) Assessment of the Bacterial Pollution in the Distribution Network/Case Study of Souk Ahras Town, Algeria. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (2nd Edition). EMCEI 2019. Environmental Science and Engineering. Springer, Cham. Springer, ISBN: 978-3-030-51209-5.
2. Abdelkrim GUEBAIL, **Lotfi ZEGHADNIA** and Yassine Djebbar (2018) How Does the Rainwater Harvesting Protect the Urban Areas Against Flooding?. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, Springer, Cham, P: 838-839 , Springer , ISBN : 978-3-319-70547-7.

Conferences

1. Amarchi Amina, Amarchi Hocine, Moncef Chabi, **Lotfi ZEGHADNIA** and Fares Laouacheria (2023) Évaluation de la sécheresse à l'aide d'indices météorologiques dans une zone semi-aride: cas de l'extrême Est de l'Algérie. 4th International symposium water resources and environment impact assesment in north Africa (WREIANA 2023) , Sousse, Tunisia 26-28 April
2. Imen FOUAL, **Lotfi ZEGHADNIA**, Fares LAOUACHERIA and Imad BOUKHARI (2021) Enhancement of the computation of diameter in Turbulent flow pipe. the Third International Symposium Water Resources and Environmental Impact Assessment in North Africa (WREIANA 2021) , SFAX, Tunisia.

3. Imen Foual, Lotfi ZEGHADNIA and Fares LAOUACHERIA (2021) Improvement of the Explicit Approximations of the Colebrook Flow Friction Equation Using Wright ω -Function. the 4th Algerian Geoscience and Remote Sensing Spring School (4th AGR3S 2021) , University of Salah BOUBNIDER, Constantine 3 in Algeria, 10 to 14 July 2021 (4 days).
4. Abdelkrim GUEBAIL, Lotfi ZEGHADNIA and Ahmed Salah ARAIBIA (2020) Microbiological Characteristics of Roof harvested rainwater from urbanized areas: Case Study of Souk Ahras Downtown /Algeria. 3rd conference of the Arabian journal of Geoscience (CAJG) 2-5 Novembre , Sousse/Tunisia.
5. Imed BOUKHARI, Lotfi ZEGHADNIA and Lakhdar DJEMILI (2018) New Formula For The Computation of the Water Surface Angle in Partially Filled Pipe: Case of Pipes Arranged in Parallel. Eau-Environnement-Climat'2018 , Hammamet le 22, 23 et 24 Octobre.
6. Lotfi ZEGHADNIA (2018) La réutilisation des eaux usées : une solution alternative pour limiter la pénurie de l'eau. Séminaire National Sur la Réutilisation des Eaux Dans le Développement Industriel. 25 Avril 2018 , Annaba Hôtel Mimoza Palace.
7. Abdelkrim GUEBAIL, Lotfi ZEGHADNIA and Yassine Djebbar (2017) Récupération des eaux de pluie, quel type de cuve appropriée pour le stockage des eaux récoltées ?. 3ème colloque international Francophone en Environnement et Santé : 23, 24 et 25 octobre , Dunkerque, France.
8. Abdelkarim Guebail, Toufik bouzian, Sofiane BOUKHARI, Yassine Djebbar and Lotfi ZEGHADNIA (2016) An Overview On The Quality Stored Water Harvesting From The Houses Roofs. The 2nd ICIEM 2016, International Conference on Integrated Environmental Management for Sustainable, Tunisie.
9. Lotfi ZEGHADNIA (2015) Que sais-je sur l'eau et le développement durable? Journée mondial de l'eau-22 Mars, Direction des ressources en eau, Souk Ahras.
10. Lotfi ZEGHADNIA, Djemili Lakhdar and Rezgui nouredine (2013) NEW APPROACH FOR The Computation Of Flow Velocity In Partially Filled Pipes Arranged In Parallel. Seventeenth International Water Technology Conference 2013 , November 5-7, Istanbul, Turkey.
11. Lotfi ZEGHADNIA, Bachir Achour and Lakhdar Djemili (2011) Calcul De L'écoulement Turbulent En Charge Dans Les Systemes Hydrauliques. Séminaire National d'Hydraulique , Chlef, Algerie.
12. Lotfi ZEGHADNIA, Djemili Lakhdar, Larbi Houichi and Rezgui Nouredine (2010) Dimensionnement Conditionne Par Dégagement Rapide Du Debit

Dans Des Conduites Partiellement Remplies. 1er Colloque international de l'eau 25 – 27 Octobre 2010 à Annaba , Annaba.

13. **Lotfi ZEGHADNIA**, Djemili Lakhdar, Houichi Larbi and Rezgui nouredine (2010) Calcul de la vitesse dans une Conduite partiellement remplie. 5th Conférence International, WATER RESOURCES IN MEDITERRANEAN BASIN » WATMED 5 , Lille, France.
14. **Lotfi ZEGHADNIA**, Djemili Lakhdar, Houichi Larbi and Rezgui nordine (2009) Explicitation du coefficient de frottement par la méthode du model rugueux de référence. Congre International sur l'eau, Déchets & environnement, 2eme édition, Union des pays de la méditerranée, , El jadida, Maroc.
15. **Lotfi ZEGHADNIA**, Noureddine REZGUI and Bachir achour (2009) Calcul explicite du gradient de la perte de charge. Symposium Méditerranéen de Geo-engineering , Alger

12. Research Projects:

Project Title	Position	State
Study of the dam break risk: case of the algerian eastern Dams	Member	Finish
Energy consumption Optimization of the wastewater treatment plants: case of Souk Ahras station (eastern Algeria)	Head	Finish
Eutrophication in dam reservoir water: Causes, Effects and Solutions - Case Study of Ain-Dalia Dam/ Souk Ahras –Algeria.	Head	On Going
Valorisation agricole des boues d'épurations et impact sur les ressources hydriques	Member	On Going

13. Books:

Nouvelles approches pour l'étude d'un réseau d'assainissement: Pour un écoulement permanent et uniforme.

Publisher: Presses Académiques Francophones.

ISBN: 978-3841633590.

14. Course:

1. Hydraulique générale - Définitions et rappels
2. Hydrostatique
3. Hydrodynamique
4. Ecoulement en charge
5. Écoulement à surface libre et hydrologie.

Publisher: Editions Al-Djazair.

15. Areas of research interest

Hydraulic engineering,
Open channel flow,
Pressurised flow,
Water supply systems,
Drainage systems.,
Water quality.

16. Research Students Supervised/Trained

<u>Level</u>	<u>Number of Trainees</u>
PhD Students	06
Master Students	> 08
Undergraduate Students	04

ID	Thesis Title	Phds	State
01	Dégradation de la qualité d'eau potable dans les réseaux de distribution/ Cas de la ville de Souk-Ahras.	<i>Mohamed Amine Bensoltane</i>	<i><u>Defended</u></i>
02	Contribution Par la C.R.C (Méthode de la Conduite De Référence Connue) Au Calcul De l'écoulement Permanent Uniforme Pour Des Différents Canaux Ouverts	<i>Imed Boukhari</i>	<i><u>Defended</u></i>
03	Contribution Au Calcul De L'écoulement Turbulent Dans Les Conduites En Charge	<i>Imen Fouel</i>	<i>On Going</i>
04	Etude du phénomène d'eutrophisation dans les Barrages : Cas D'étude De Barrage Ain-Dalia Souk Ahras -Algérie	<i>Ben Abdelkader Sabrina</i>	<i>On Going</i>
05	Analyse statistique de la tendance des données sur la qualité de l'eau pour la Medjerda: Souk-Ahras / Algérie	<i>Araibia Ahmed Salah</i>	<i>On Going</i>
06	Tendance des Précipitation et évolution des écoulements dans un cadre du changement climatique dans le Nord Est Algérien	<i>Amarchi Amina</i>	<i>On Going</i>
07	Caractérisation hydro climatique et analyse de la tendance au changement climatique dans deux unités hydrographiques de l'extrême Nord-Est Algérien : le bassin versant de la Medjerda et la partie Est du côtier Constantinois.	<i>Saadoun Chahla</i>	<i>On Going</i>

17. Short stays for collaborations

2010 : Invitation for one month at “Laboratory of civil engineering and environment (LGCIE) University INSA LYON, France”

Invited by: Bernard Chocat.

Period: 01 months

2011- 2012 : Invitation for one month at “Department of Civil Engineering ,University of science and technology, Irbed, Djordan”

Invited by : Rami Haddad.

Period: 01 months

2013 - 2014: Invitation for one month at “Laboratory Of hydraulics, University of Laval, Quebec, Canada”

Invited by: Jean-Loup Robert.

Period: 01 months

2014 - 2015: Invitation for one month at “Laboratory Of hydraulics, University of Laval, Quebec, Canada”

Invited by: Jean-Loup Robert.

2015 - 2016: Invitation for one month at “Laboratory Of hydraulics, University of Laval, Quebec, Canada”

Invited by: Jean-Loup Robert.

Period: 01 months.

2022 - 2023: Invitation for one month at “Laboratory Of hydraulics, University of Laval, Quebec, Canada”

Invited by: Dr.Tadros Ghobrial.

Period: 01 months.

18. More information

➤ **Personnel website:**

<http://www.univ-soukahrass.dz/en/profile/lzeghadnia>

➤ **Researchgate website:**

https://www.researchgate.net/profile/Lotfi_Zeghadnia

➤ **Google Scholar Website:**

<https://scholar.google.com/citations?user=BtO7ntAAAAAJ&hl=fr&oi=ao>