



Kherifi wahida

Water Resources Management and Development

Division in Arid Regions wahidakherifi@yahoo.fr

Full name:

Kherifi wahida

|||UNTRANSLA

Centre for Scientific and Technical Research on the Regions (CRSTRA), Biskra.

Specialty :

Hydraulic Sciences

Current Rank

Search light

Last degree and year

Docent

D

EDUCATIONAL QUALIFICATIONS

University Habilitation in Hydraulics at the University of Mohamed khaeider –Biskra-2018.

Doctor of Science in Hydraulics Hydraulic Option, Department of Hydraulics.,Faculty of Science in Hydraulics , Engineering. Badji Mokhtar University

Magister in Hydraulics Urban Hydraulic Option and Hydraulic Construction, Department in Hydraul Faculty of Engineering Science, Badji Mokhtar-ANNABA- University;2009.

State Engineer in Hydraulics Urban Hydraulic Option, Department of Hydraulics. Faculty of Engineering Science, Badji Mokhtar-ANNABA- University;2006.

PROFESSIONAL EXPERIENCE

*From 21/11/2021 to date: Director of Research at the Centre for Scientific and Technical Research on Arid Regions (CRSTRA), Biskra.

*2018-2021 Research supervisor class "A", Centre for Scientific and Technical Research on Arid Regions (CRSTRA), Biskra;

*2016-2018 Research Master class "B" Center for Scientific and Technical Research on Arid Regions (CRSTRA), Biskra;

*2013-2016 Research Associate, Centre for Scientific and Technical Research on Arid Regions (CRSTRA), Biskra

*2010-2013 Senior Engineer in the EL-TARF Hydraulics Directorate (DHW);

*2008-2010 State Engineer at the local management of EL-TARF wilaya;

* 2007-2008 State Engineer at EL-TARF Hydraulics Management (DHW) .

PEDAGOGICAL EXPERIENCE

Education

*2014-2017: Head of TP of the chemistry module, Department of Science and Technology, University of Mohamed Khaider - Biskra.

*2014-2017: Thermodynamics Module TP Officer, Department of Science and Technology, University of Mohamed khaider -Biskra.

Management

1. Master File

*2016: Labbaci Kheir eddine ,Gharbi Chaker, "Les Maladies à Transmission Hydrique en Algérie"; Master's thesis, class of 2017, Department of Hydraulics, Univ d 'Annaba.

*2016: Bouraoui Sarra , Hebhoub Soumaya "Evolution de la qualité des eaux déchets de la step d 'El KALA dans différentes étapes de traitement (Nord-est algérien)"; Master's thesis, class of 2017, department of hydraulics, Univ d 'Annaba.

*2019: Kheir eddine Makaoui "Study of the quality of dam waters in the Biskra region"; Master's thesis, Department of Civil and Hydraulic Engineering University

Mouhamed khaider, Biskra.

***2019:** Oumani Oussama Under the title "Classification of bottled water quality in the city of Biskra according to use needs". Urban Hydraulics Department of Civil Engineering and Hydraulics at the University of Biskra.

***2023:** Master's supervision: Alloui Mounsef , "Efficiency of operation of the wastewater treatment plant in the Touggourt region (southern **Algeria**)" ,2023. Department of Hydraulics, University of El Haj lakhder, Biskra; (Pj)

*** 2024:**Supervision of Master: Sufi Zerouki; "Evaluation of the physico-chemical quality of water intended for human consumption and agricultural use: Case of groundwater and tanks in the Biskra region (North-South Algeria)", 2024. Department of Hydraulics, University of El Haj lakhder, Biskra; (Pj)

2.Doctorate :

***2018:** Ongoing supervision: Under the theme "**Impact of pollution on the water quality of the Mexa dam (North is Algerian)**"; PhD thesis in progress, Department of Hydraulics, Univ d 'Annaba.

***2023:Supervision in progress (PhD):** Under the theme "**Tertiary treatment of water purified by hybrid adsorbents**", PhD thesis in progress, Department of Hydraulics, Univ d 'El-Oued;(P j)

PROJECTS IN PROGRESS

Project's member:

2013-2016: Member of the FNR project "**Groundwater Softening of the Northern Sahara. Trials of several techniques**".

2016: Member of the ongoing FNR project "**Sewage treatment of the city of Touggourt by: natural lagoon - Experimental station**".

2022: member of the ongoing FNR project "**Design and construction of a nested filter wastewater treatment plant in arid regions**" -.

INTERNATIONAL PROJECT MANAGER

2022 National Project Manager in the framework of FNR at CRSTRA whose title

is: "Design and construction of a nested filter wastewater treatment plant in arid regions";

Publications- articles- books

WAHIDA KHERIFI , FATTOUM BOUCHEMAL, FEDIA BIKIRI and LYNDIA HECINI, (2026).“ Seasonal Hydrochemical and Microbiological Statistical Assessment of Lake Al-Mallah Water (Northeast Algeria) Using PCA and Hydrochemical Diagrams”. **Asian journal of chemistry** , Scopous .Vol. 38. 6 (2026). <https://doi.org/10.14233/ajchem.2026.35889>

Boukerker Hassen, Boumedjene Mouna Rachida, Doughbege Abd Elghafour, Belhouadjeb Fathi Abdellatif, **Kherifi Wahida**, Hecini Lynda and Bekiri Fedia .(2021). “[State of pastoral resources in the Algerian steppe regions: main factors of degradation and definition of preservation and rehabilitation actions](#) ”; Journal of Livestock Research for Rural Development. Issue 12.[Vol33, No. 12, December 2021](#). <http://www.lrrd.org/lrrd33/12/33140hbouk.html>

Lynda Hecini , Hassen Boukerker , **Wahida Kherifi**, Abdelkarim Mellah , Samia Achour (2022) “[The removal efficiency and reaction mechanism of the aluminum coagulant on phenolic compounds in the presence of hardness salts](#)” **Jurnal Of Water And Land Development**. V51No.8.pp225-233.. DOI: 10.24425/jwld.2022.141576.

Boukerker Hassen¹, Hecini Lynda², SalemKour Nora³, Boumedjane Mouna Rachida⁴, Kherifi **Wahida**⁵, Doghbage Abdelghafour⁶, Belhouadjeb Fathi Abdellatif⁷, Bekiri Fadia⁸, Boulouf Meriem⁹: Impacts of grazing, restoration by planting on the pastoral potential, floristic richness and diversity of a the southwestern steppe of Naâma (Algeria); in the context of climate change: in the journal "[Livestock Research for Rural Development](#) " [V34, No.8. 2022](#). <http://www.lrrd.org/lrrd34/8/3468hbou.html> .

Amiri Khaled , Bekari nacer el dine , Abd el Razek ,Chaib warda, **kherifi wahida** (2022) "Urban wastewater treatment by pilot-scale vertical subsurface flow constructed wetland planted with *Typha latifolia* and *Phragmites australis* under arid climate": to the review " Water, Air, & Soil Pollution",Vol 233 ,No.8; pp (1-21); DOI: <https://doi.org/10.1007/s11270-022-05802-7>.

Kherifi Wahida., Hecini L., Bekiri F., Kherici-Bousnoubra H. 2019. Faecal contamination of water in the Lake Mellah and its catchment area, north-eastern Algeria. **Journal of Water and Land Development**. No. 42, [Issue 3](#), 2019: (VII–IX) pp. 110–116. DOI: 10.2478/jwld-2019-0051.

Kherifi Wahida, Hecini Lynda,Chaib Warda, Bekiri Fedia ,Bouzid Khadija, Chaib Warda.2021. Statistical Analyzes of the Spatio-Temporal Evolution of the Microbiological Quality of Water in the Region of El Besbes (Algeria). **Journal of**

ECOLOGY, ENVIRONMENT AND CONSERVATION, (Received 7 April, 2021; Accepted 20 May, 2021), Eco. Env. & Cons. No.27 ([Issue 4](#)): 2021; pp. (276-281) Copyright@ EM International ISSN 0971-765X.

Kherifi Wahida, Hecini Linda, Bekiri Fedia: Physico-chemical characterization of the waters of the Foug El-Kharza dam for agricultural use. Algerian Journal of Engineering Architecture and Urbanism. Vol 05, [Issue 3](#), 2021: p.1-12.

Lynda HECINI, **Wahida KHERIFI** , Khadidja BOUZID: Groundwater quality of Mih-Ouensa, El Oued (SOUTHEAST of ALGERIA), . Algerian Journal of Engineering Architecture and Urbanism. Vol 05, [Issue 3](#), 2021: p. 195-207.

KHERIFI Wahida, HECINI Lynda, BEKIRI Fedia, H. KHERICI-BOUSNOUBR. (2019), "Study of the origin of the microbial pollution of water of the lake Mellah and its tributaries (North-eastern Algerian)". "**Journal of water and land development**"; **Nº. 42, Issue 3, DOI: 10.24425/jwld.2019.127001.**

KHERIFI wahida (2019); "Pollution and protection of the waters of Lake Mellah (N-E Algerian) in the law of urban discharges", European University Editions.

KHERIFI Wahida, BOUSNOUBRA-KHERICI Houria (2017) "Analyse et correction des données pluviométriques dans quelques stations météorologiques de la région d 'El Tarf (N-est Algerien)" in the underground and surface hydraulics research laboratory journal (LARHYSS), Larhyss Journal, ISSN 1112-3680, No. 29, March 2017, pp. 153-165.

KHERIFI W, KHERICI-BOUSNOUBRA H (2017);correlation between the variability of hydrological parameters with altitude in the El tarf region (Northeast Algeria), LARHYSS Journal P-ISSN 1112-3680/E-ISSN 2602-7828, 137-147.

Kherifi W, Bekiri. F. (2017) "Aridity and water-borne diseases" in the Algerian Journal of Arid Regions (JARA) .No.14. pp131-140.

KHERIFI Wahida, BOUSNOUBRA-KHERICI Houria (2016); "Study of the influence of the physicochemical parameters on microbial abundance in various ambient conditions" in Springer's journal " Journal Water Resource " , ISSN 0097-8078,

May 2016, Volume 43, Issue 3 , pp 546–558.

BOUCHAHM. N, HECINI. L , **KHERIFI. W** (2016); "Softening of groundwater in the eastern region of the Algerian Northern Sahara: the case of the Biskra region" *Revue des sciences de l'eau / Journal of Water Science*, vol. 29, no. 1, pp. 37-48.

KHERIFI Wahida, BOUSNOUBRA-KHERICI Houria (2012) "Seasonal Evolution of the Microbiological Quality of the Waters of Lake Mellah (North-East Algeria)" in the underground and surface hydraulics research laboratory journal (LARHYSS), Larhyss Journal, ISSN 1112-3680, No. 11, November 2012, pp. 109-118.

Ahmed Benmalek , Mohamed Madi, Mohammed A. Hafnaoui, Nouar Boulghobra & **Wahida Kherifi** "Dimensioning of trapezoidal energy dissipation basins by hydraulic jump", in the journal JARA.V 15 (1), pp 111-118.2023.

Hacini L.; Mellah A, K.; Bouzid, Fadia B & Kherifi W. "Classification and Evaluation of Bottled Drinking Water Marketed in Biskra City". *Journal Algérien des Régions Arides* 2023, 16 (1): 101–112.

COMMUNICATIONS IN SCIENTIFIC EVENTS

Mellah abdelkarim, Harik Djamila, Fedia Bekiri ,**Wahida Kherifi**, Linda Hecini, Rahmani kheled “Study of the adsorption mechanism of pharmaceutical contaminants by nanomaterials from water: comparison to activated carbon”. International conference on water resources and environmental changes CWREC’25. Tahry Mohamed University of Bechar. 12-14 April 2025. **Poster communication**

Ahmed ben malek , Mohammed Madi, Abdelkarim Mellah, Khaled Amiri , **Wahida Kherifi** “**BIOLOGICAL TREATMENT OF WASTEWATER IN TOUGGOURT CITY**”The Second International Conference on Biological and Integrated Control in Algeria (CILBIA 2), held from November 9th to 14th, 2025, at CRSTRA, Biskra, Algeria, **Poster communication.**

Hacen Zin, Bouchmal Fattoum , **Kherifi Wahida**, “**Evaluation of a Vertical Multilayer Soil System (VF-MSL) for Tertiary Wastewater Treatment**” Presented a Poster in “The Third International Conference on Materials, Energy & Environment (mee '2025) ” which took place on April 21-22, 2025 in El Oued – Algeria. **Poster communication**

Aissam GAAGAI ,Bouaicha Allaoua, Mallem Salah Eddine, Bensaid Mosbah , Kherifi wahida and Ali Athamna " Using the sensitivity analysis method to determine the impact of breach parameters on flood wave propagation in the event of dam failure" In the International Conference on Water Resources and Environmental Changes - CWREC '25 Helled at Tahri Mohamed University of Bechar in Algeria on 12–14 April 2025. **Poster communication**

Aissam GAAGAI , Bouaicha Allaoua, Mallem Salah Eddine, **Bensaid Mosbah**, Kherifi wahida and Ali Athamna " " Assessment of groundwater quality for irrigation using water quality indices. " In the International Conference on Water Resources and Environmental Changes - CWREC'25 Held at Tahri Mohamed University of Bechar in Algeria on 12–14 April 2025. **Poster communication**

Kherifi wahida, Bekiri fedia, Hecini Lynda miled zohra rachahi , Bouzid Khadidja , Hassen Boukerker, Menasria Hanen. "STUDY OF THE SPATIOTEMPORAL VARIABILITY OF QUALITY OF the WATERS OF the FOUM EL - KHARZA DAM and ITS TRIBUTARIES for agricultural use (BISKRA REGION) ". 1 ST CONFERENCE INTERNATIONAL ON THE MANAGEMENT OF THE URABLE OF SOL: A CHALLENGE AT THE SERVICE OF FOOD SECURITY. E 05 AND 06 DECEMBER 2022. CRSTRA.BISKRA (ALGERIE)

Bekiri fedia, Bouzid Khadidja , **Kherifi wahida**, Hecini lynda , Mellah karim “Application of CFD approach for cleaning an oil well” SDMSEA 2022; 09-10 November 2022 .Biskra Algeria

Hecini Lynda, Abdelkader ouakkouak, Bekiri Fedia, **Wahida Kherifi**, Nora Bouchahm and Khechai Mohamed.2022. "Nitrophenol Removal by electrocoagulation". 4th International Conference on Applied Engineering and Natural Sciences ICAENS4'2022. November 10-13; 2022. Konya/Turkey.

Mellah karim, Bekiri fedia, Hacini lynda, **Kherifi wahida**, Ben malek ahmed.2022.”Water purification using the adsorption characteristics of nanomaterials”the First international seminar on the valorization of bioresource in arid and semi arid zones organized in Naama.15 December 2022

Wahida kherifi., Linda Hecini, Ben malek Ahmled, Mellah Karim: Acceptance of participation in the day"Study of Surface Water Quality of the Biskra Region for Agricultural Use". "Soil and Water Resources, a key for our life (SSWR_2023)".13/14 2023.CRSTRA Touggourt, Algeria

Mellah karim , Harik Djamila, Bekiri Fedia, **Kherifi Wahida**, Hacini Linda, Bouzid Khadidj "Research and characterizations of pharmaceutical contaminants in liquid effluents for their elimination by nanomaterials: Comparison to activated carbon", University of Mohamed Khider Biskra Faculty of Sciences and Technology Department of Industrial Chemistry 1 st SDCMM B 19 NOV 2023.

Kherifi Wahida, Ben Malek ahmed, hecini lynda, Bacha naima, ,Bekiri Fedia , Bouzid Khadidja, Amiri Khaled, Bekari Naceur el Dinne ,Nora Bouchahm "Evaluation of the impact of treated wastewater on the natural environment" the 1st International Webinar: Biodiversity Roles in Plants Protection-Arid Regions BRPP-AR: October 18th to 19th, 2023 (CRSTRA, Algeria).

Kherifi wahida, Ben malek Ahmed, Hecini linda, Amiri khaled, Bekkari naceur el dine, Nora Bouchahm, "Etude de l'évolution des eaux de la STEP d 'El kala dans different Processing Stage ”, The Second International Conference on Materials, Energy and

environment (mee 2023) El oued, Algeria.

Wahida KHERIFI, lynda Hecini, Ahmed Ben malek , Bouchhem Nora ,Nasro el dine Bekkari¹, Khaled Amiri, Abd El karim Mellah "**Control procedures and data processing of meteorological stations**" The First international conference ICCCEM 2023 , CRSTRA, Biskra.

خريفي وحيدة إلقاء محاضرة تحت عنوان . "فوائد منابع الحموية في جنوب الجزائر 2021. " اليوم الدولي للغابات -واليوم الدولي للمياه 21-22 مارس 2021 بمركز البحث العلمي والتقني للمناطق الجافة -بسكرة

Kherifi Wahida, Hecini Linda, Bekiri Fedia (2021). Study of the spatiotemporal variability of the water quality of the Fom El Gharza dam and its tributaries (Biskra Region). International Seminar on Online Industry and Technology (Webinar) on 12-13 March 2021 in Oran, Algeria.

Lynda HECINI, **Wahida KHERIFI** , Khadidja BOUZID (2021). Physico-chemical water quality of groundwater in the Mih-ouensa region(W, El Oued. International Seminar on Online Industry and Technology (Webinar) on 12-13 March 2021 in Oran, Algeria.

Kherifi Wahida, Hecini Linda, chaib warda, Ben Malek Ahmed, Bouzid khadija (2021). Study of the spatiotemporal evolution of the quality of wastewater from the el-Kala wastewater treatment plant (North is Algerian). Maghreb colloquium on water and environment in arid and semi-arid areas (CMEEZASA 2021), University of Biskra 22 and 23 March 2021.

Hecini Linda, **Kherifi Wahida**, Bouzid khadija ,Omani Ousama (2021). Classification of the quality of bottled water according to the nature of consumption. Maghreb colloquium on water and environment in arid and semi-arid areas (CMEEZASA 2021), University of Biskra 22 and 23 March 2021.

Fedia Bekiri, Rahali Hanane, **Kherifi Wahida**, Hecini Linda, Bouzid Khadidja, Mellah Abdel Karim (2021). Study of dielectric and piezoelectric properties of PZT material. The first International Conference on Sustainable Energy and Advanced Materials IC-SEAM'21 April 21-22, 2021, Ouargla, ALGERIA.

Kherifi wahida . 2020. Workshop to prepare the Algerian Strategic Plan for Research and Innovation on Food Security 2020-2030 February 2-4, 2020 CRSTRA-Biskra.

Kherifi Wahida, Hecini Linda, chaib warda, mellah karim, Bekiri Fedia (2020). Study of the water quality of the Biskra region surface (case of Foug El Gharza dam waters). 1st international conference of sustainability of Saharan agriculture and water use (SSAWU) , University of El wadi 02 and 03 March 2020.

Hecini Lynda, **Kherifi Wahida**, chaib warda, Bouzid khadija, Bekiri Fedia , Bacha Naima (2020). Study of the underground quality of an arid region: Case of the Miha Ouensa region (wilaya of wadi). 1st international conference of sustainability of Saharan agriculture and water use (SSAWU) , University of El Wadi 02 and 03 March 2020

Kherifi wahida , Hecini lynda ,H Bousnoubra . “Study of the quality of water in Lake Mellah and its catchment area (North-Eastern Algeria)” The first international conference on water and climate 13-14 November 2019 at the University of Badji Mokhtar “Annaba”. Lynda Hecin , Nora Bouchahem, warda chaib, wahida kherifi; Groundwater softening by different processes; Second cycle of internal CRSTRA thematic conferences.19April 2018.

Kherifi wahida , Bekiri Fedia; "The spatio-temporal evolution of water-borne diseases in arid zones".The World Toilet Day organized by the Friends of the City of Biskra association at the El fikh wa el Adeb hall on December 16, 2017;

Ben Malek Ahmed , kherifi wahida , "Purification of the waters of the city of touggourt by lagooning-experimental station-" the World Toilet Day organized by the association the friends of the city of Biskra at the El fikh wa el Adeb room on December 16, 2017;

Hecini lynda, kherifi wahida "Degradation of salt levels in underground them by different CAS treatment processes of the Biskra region".World Water Day organized by DR. Biskra 2017.

Hecini lynda , Kherifi wahida , "Decreasing the level of salt in Saharan groundwater: the case of the Biskra region"Participation in an internal CRSTRA conference. 2017.

participation day «إشكالية تلوث المياه وطريقة معالجتها في المناطق الحضرية» Kherifi wahida of the wetland 02 February organized by CRSTRA (Touggourt) 2017 .

lynda ,Hecini wahida Kherifi " المنابع الحموية بجنوب الجزائر... ثراء إيكولوجي وسياحة عجية». International Day for Biodiversity and Sustainable Tourism; 22 May 2017 .CRSTRA ,

Biskra

Kherifi wahida, Hecini llynda , nora Bouchahm; "Softening of groundwater in the eastern region of northern Algerian Sahara: the case of the Biskra region". Open house days at the CRSTRA headquarters on 25 and 26 April 2016.

Hecini lynda ,kherifi wahida, "Softening of the waters of the Miopliocene aquifer of the Biskra region by coagulation/precipitation Study days" Valorisation and sustainable management of water resources 2015"at the University of El Oued".

Kherifi wahida, Hecini llynda "Water-borne diseases". Study day
"Our health passes through water" on 7 April 2015 at the CRSTRA scientific research centre

Kherifi wahida, Hecini llynda "Etude l'évolution spatio-temporelle des maladies à transmission hydrique en Algérie". Study days (JERESE 2015) on 12 May 2015, at the University of El Oued

Kherifi wahida "Les Maladies à Transmission Hydriques dans les zones Sahariennes"
Awareness day in the wilaya of Biskra on December 24, 2015.

Kherifi wahida, Bousnoubra Houria; "Spatio-temporal evolution of the physico-chemical quality of Lake Mellah and its tributaries". International Conference on Soils, Water and Environment 10-11 November 2014 at the University of ANNABA.

Hecini lynda , Bousnoubra. H "Softening of Groundwater by Coagulation-flocculation and Decarbonation with Lime. Layers of the Terminal Complex of the Eastern Region of Northern Sahara ".International Meeting on the Development of Water Resources in Arid and Semi-Arid Zones (VREZASA 2014); Faculty of Science and Technology, Soultane Moulay Slimane Bani Mellah University; Maroc.

Kherifi wahida, Bousnoubra Houria "The correction of rainfall data in some meteorological stations in the region of El Tarf (North-East Algeria)". 1st International Colloquium on Hydrogeology and Geothermal Energy; November 2014 at the University of Guelma .

Kherifi wahida, Bousnoubra Houria"Studying the influence of physico-chemical parameters on Microbial abundance in three different ambient environments".
International Seminar on Hydrogeology and Environment 2013 at Kasdi Merbeh OUERGLA University.

Kherifi wahida, Bousnoubra Houria"A method to assess the microbiological quality of the waters of Lake Mellah (North-East Algeria)"; International Symposium 50 years of training and research at the E.N.S.A. 22-24 April 2013 , at the National School of Agronomy.

Hecini lynda, kherifi wahida, "Preventive measures and mitigation of flood risks". National Major Hazards Day on October 13, 2013 at the CRSTRA Scientific Research Center.

Kherifi wahida, Bousnoubra Houria, "Study of the influence of physico-chemical parameters on Microbial abundance in three different ambient media". 2nd International Symposium on Integrated Water Resources Management (22-23 October 2013) at the University of Batna .

kherifi wahida ,H Bousnoubra . "A method for assessing the microbiological quality of the waters of Lake Mellah (North-East Algeria)";National Conference on Environmental Degradation (CNDE-2012) at Skikda University

Kherifi wahida, Bousnoubra Houria "Study of the kinetics of sedimentation of suspended solids in the decanter channel". 1st International Seminar on Mobilization on Water Resources (MEREAU). 17 and 18 December 2012 at the University of Batna .

Kherifi wahida, Bousnoubra Houria;"Evaluation de l 'index de Contamination microbiologique dans les eaux de surface – cas du lac mellah- (Nord-est Algerien)"; VIIe Congrès International QPE-TVR 2012 à TUNISIE, Faculté de pharmacie de Monastir

Kherifi wahida, Bousnoubra Houria "Evaluation de l 'impact des rejets de statio d 'épuration sur les zones humides internationales -Cas Du Lac Mellah- (Nord-es Algérie)"VIIe Congrès International QPE-TVR 2012 à TUNISIE, Faculté de pharmaci de Monastir;

Kherifi wahida, Bousnoubra Houria ,"Seasonal hydro-biological characterization of the El Mellah lagoon (North-East Algeria)". 3rd International Land and Water Symposium 2012 at the University of ANNABA .

kherifi wahida ,H Bousnoubra , "The temporal evolution of the pollution of the waters of Lake Mellah to the right of discharge of wastewater treatment plants of El Gantra El Hamra (North-East Algeria)" .4th National Days of Studies on the Environment and Working Conditions (JECT 2011) at the University of Batna .

kherifi wahida ,H Bousnoubra "Evaluation of the quality of the water of Lake Mellah at the right of discharge of treatment plants of El Gantra El Hamra (north-east Algeria)" 5th national seminar on water 2011 at the University of Tiziouezou .

kherifi wahida ,H Bousnoubra;"The degradation of the quality of the water of Lake Mellah to the right of discharge of treatment plants of El Gantra El Hamra (north-east Algeria)" .1st National Days of Control and Pollution (COPO 2011) at the University of Khenchla.

Kherifi wahida, Bousnoubra Houria "Impact of discharges from El Guantra wastewater treatment plant

on the quality of the waters of Lake Mellah (north-eastern Algeria)". 1st CIEAU International Water Symposium 2010 at the University of ANNABA .

Kherifi wahida, Bousnoubra Houria; "Efficiency of operation of the wastewater treatment plant of the city of El Gantra El Hamra (El-Kala)". 1st International Symposium on the Geology of the Algerian Sahara 2010 at the University of OUERGLA .

• Participation in the organisation of external events
(congresses, conferences, symposia, symposia, seminars, study days, local training courses, etc.)

1. Study and expertise on a national scale;

2021: Expertise of an article in the [Microbiology Research Journal International](#) entitled: **"Bacteriological And Parasitological Assesment Of Water Use In Selected Abbations In Port Harcourt Metropolis, Rivers State, Nigeria"**. (2021).

2020:Expertise of an article in the journal [Assian journal of agricultural Extension, economics sociology](#) entitled: **" Determinants of Climate Information Utilization among Maize Farmers in Nigeria"** (2020).

2020: Examining member of the PhD thesis of Ms Amiri Khaled whose title is **"Contribution to the evaluation and treatment of wastewater in the south-east of the Algerian Sahara. application to the south of the region of Oued Righ (Touggourt)"** Department of Earth and Universe Sciences at the Kasdi Merbah University of Ourgla.2020.

2020: Examining member of Ms **Bekkari** Naceureddine's doctoral thesis entitled **"Study and monitoring of wastewater treatment processes in arid climate (simulation by the application of artificial intelligence methods)**. Department of Earth and Universe Sciences at Kasdi Merbah University of Ourgla.2020.

2021: Examining member of the doctoral thesis entitled: **Hydrogeological study of the northern Sahara aquifer system (SASS) in the border area (Algerian - Tunisian): (Chotts region)** by the candidate: **Mr. HALASSA Younes** at the university kasdi merbah-ouargla.

|||UNTRANSLATED_CONTENT_START|||(2021).|||UNTRANSLATED_CONTENT_END|||

2018: Expertise of an article entitled "Evaluation of pathogenic bacteria associated with the Nigerian currency" by the journal "International Journal of Applied Microbiology and Biotechnology Research".

Scientific Office :

2017: Participation in the open days **in the CRSTRA headquarters**

2017 Invited member doctorate defense examiner at Badji Mokhtar University (Annaba), under the theme: "Thermo-mineral waters and sustainable development: Case of Hammam Meskoutine and Hammam Ouled Ali (North-East Algeria)".

2018 Member of the defense jury of Master II at Mohamed Khaider University (Biskra) whose title is: "Elimination of a pharmaceutical compound (paracetamol) by adsorption on activated carbon in distilled water".

2018 Editorial Board members in the American Journal of Environmental Science and Engineering.

2018 Invited member to the test committee: Preparation and proofreading of the competition for access to the 3rd cycle of water treatment and purification training.

2020 Member of the organizing committee in "the workshop on the Algerian strategic plan for research and innovation on food security" within CRSTRA.

2020 Participation in the "workshop on the Algerian strategic research and innovation plan on food security" 02/02/2020 -04/02/2020 within CRSTRA

2020 Participate in World Wetland Day with a document entitled:

"المناطق الرطبة في المناطق الصحراوية الجزائرية"

من تأليف: خريفي وحيدة و بكيري فادية

2020 Reviewer in the American Journal of Environmental Science and Engineering (AJESE); ISSN Print: 2578-7985, ISSN Online: 2578-7993. [http: "](http://www.sciencepublishinggroup.com/j/ajese)

2020 Member of the reading committee of the Algerian Journal of Arid Regions;ISSN. 1112-3273.

2020 Member in the "Soil and Water" laboratory at Badji Mokhtar University – Annaba

2021 Invited member of the test committee: proofreading of the competition for access to the 3rd cycle of water treatment and purification training.

2021 Member of the reading committee in the national newspaper AJEAU(2021).

Scientific missions.

2020 Jury member of the defense of the doctoral thesis of Ms Amiri Khaled whose

the title is "**Contribution à l'évaluation et au traitement des eaux déchets dans le sud est du sahara algérien. application au sud de la région d 'oued righ (tougourt)**"
Département Sciences de la Terre et de l'Univers à l'université kasdi Merbah d 'Ourgla.

2020 Member of the jury for the defence of Ms **Bekkari Naceureddine's** doctoral thesis entitled **"Study and monitoring of wastewater treatment processes in arid climate (simulation by the application of artificial intelligence methods)**. Department of Earth and Universe Sciences at Kasdi Merbah University of Ourgla.

2021 Jury member for the defense of the PhD thesis entitled: **Hydrogeological study of the northern Sahara aquifer system (SASS) in the border area (Algerian - Tunisian): (Chotts region)** by the candidate: **Mr. HALASSA Younes** at the university kasdi merbah-ouargla . **2021**).

Training course

2021 Online training entitled: **"Finding collaborations using Scopus"**. 25/09/2021

2021 Online training with the title: **"How to find the relevant articles for my research project"**. 21/08/2021.

2021 Online training entitled: **"Choice of research topic and collaborations"** on 22/05/2021.

2021 Online training entitled: **"Data analysis using the SCOPUS database "**. on 26/04/2021.

2021 Participation in the webinar entitled : **"Ethics in scientific research"**, 06/04/2021, at the Biotechnology Center of Bordj Cedria , Tunisia.

2021 Online training entitled: **"What you should know about SCOPUS "**. on 26/03/2021.

2019 Short-term scientific internship at the laboratory organization, Centre de Recherches et des Technologies des Eaux (CRTE), by the internship supervisor Pr. Hamza El Fil, head of the Natural Water Treatment Laboratory (LABTEN).Borj-cedria .Tunisia

2018 **Advanced internship** at the National Center for Studies and Research on Water and Energy (CNEREE). Cadi Ayyad University MarrakeshMorocco.

Languages proficient and level of proficiency

* Arabic: Kindergarten

French: Fluent

*English: medium