

Jouf University

Deanship of Quality and Academic Accreditation

Curriculum Vitae of a Faculty Member

Personal Data:

Name			Nationality	Place of Birth	Date of Birth	Gender	Marital Status
Frist	Middle	Family	Algerien	Setif- Algeria		Female	Married
Wassila	Mammar	Derafa					
General Specialization							
Applied Chemistry							
Specialization			Physical applied Chemistry				
Current Position			Assistant professor				
Scientific Title			Assistant Professor <input type="checkbox"/>				
Highest degree/ Date			PhD -2016				
ID Number							
College			Science	Department	Chemistry		

Contact Data:

Address	Chemistry Department, College of Science, Jouf University	E-mail address (official)	Wderafa@ju.edu.sa
Work Phone no. (Internal (phone number)	7915	E-mail address (personal)	Soussou.derafa@ju.edu.sa
Home phone number	-----	Personal site	
Mobile	0557326506	Fax	
Mailbox		Postal code	

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Education (Bachelor, Master, PhD, Other):

No.	Qualification	Date	Degree	University	College	Scientific Department	Specialization	
							General	Specific
1	PhD	2016	very honorable with congratulations from the jury members	. Setif-1- Univ Algeria and Strasbourg Univ France	science	chemistry	Applied chemistry	Physical applied chemistry
2	Master	2011	Very good	Setif-1- Univ Algeria	science	chemistry	Applied chemistry	Physical applied chemistry
3	Bachelor	2007	Third on the Graduates Batch	. Setif-1- Univ Algeria	science	chemistry	Applied chemistry	Physical applied chemistry

Employment Qualifications:

Job	Job Title	University Degree	Workplace	Date		Work duty	Years of Experience
				From	To		
Academic	-Assist. Prof	Assist. Prof	Aljouf Univ	Since 09/2017	now	Faculty of science	5 years
	Assistant professor, -Part Time	Assistant professor, -Part Time	University of Farhat Abbas Sétif 1, Algeria	01/2016	06/2017		1 year

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	Scientific Researcher, University Strasbourg, France.	University Strasbourg, France.	European School of Chemistry, Polymers and Materials (ECPMS)	09/2014	11/2016		2 years
	Lecturer	Lecturer	University of Farhat Abbas Sétif 1, Algeria	2009	2015		5 years

Participation in scientific conferences and symposiums

No.	Title of the conference or symposium	Held in	Year
1	1st International Conference on Sustainable Energy and Advanced Material. IC-SEAM'21, Ouargla, ALGERIA (Virtual conference)	Ouargla, ALGERIA	April 21-22, 2021
2	Attended the International Virtual Conference "Vision of Solar Energy in the Kingdom of Saudi Arabia: Applications and Challenges".	Organized Online by College of Engineering, Qassim	(VSESA 2020) during 9 - 10 December 2020

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		University, Saudi Arabia.	
3	Renewable Energy Resources, Prospect and challenges	Aljouf univ	2019
4	Scientific Miracles in the Quran in Embryology	Girls Student Complex Allakayt Aljouf univ	10 /1/1440هـ
5	Magic chemistry between its success and seriousness		1440/1/24هـ
6	Defects of embryonic neural tube and its spread in the Kingdom of Saudi Arabia		1439-02-20
7	Green chemistry		1440/03/12
8	Magnetoresistive properties in composite oxides		1440-03-17
9	New method for preparation of nano-particules		1440/1/ 10هـ
10	Techniques of dealing with children unwanted behaviors		
11	Forum of affection and mercy under the title towards a happy married life		
12	Scientific Research Skills Forum		
13	Ideal method for preparing and editing posters		
14	Scientific Research Skills Forum		

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15	The importance of scientific research		
16	Scientific Research Skills Forum		
17	Strategic Plan Workshop Vision and Mission for the Faculty of Science		1439/1/22
18	E-services at the university. And how to use them		1439/1/27
19	Highlighting the principles of quality and its models		1439/1/29
20	Uploading a culture of quality		1439/1/29-25
21	Academic guidance and reality		1439/2/6
22	E-Learning		1439/2/6
23	Course Description Course		1439/3/20
24	Lecture on the Student Forum		1439/1/20
25	Lecture on new extension models		1439/1/20
26	Events of the Arab Chemistry Week		1439/2/5-1
27	Preparation of new complexes for asymmetric transition elements		1439/2/4
28	Experience of dye preparation		1439/2/3

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29	Chemistry of happiness		1439/2/5
30	The most famous Arab chemists		1439/2/5
31	Chemistry of happiness		1439/2/5
32	The phenomenon of Tusunamu ways to prevent them		1439/2/5
33	Development of electrochemical sensors based on molecularly imprinting technique (MIT)		1439/2/27
34	Food preservation		1439/2/24
35	Smart devices are electronic drugs that infect children with autism and aggression		1439/3/9
36	First aid campaign at the Faculty of Medicine and Applied Medicine		1439/3/25
37	Nutrition for women in general		1439/05/20
38	Scientific research skills		1439/05/05
39	National journals of chemistry -JNC 2014, 18th edition, presentation by poster Synthesis and electrochemical study of unsymmetrical tetradentate Ni (II) -Schiff base complex Application to the electro-oxidation of methanol. WassilaDerafa, Ali Ourari.	Skanes, Tunisia,	December 21st-23th 2014
40	XXXII. Congress of IULTCS with a poster presentation,Electro-Oxidation of Iso-Propanol on Poly-Ni (II) -Unsymmetrical Tetradentate Schiff Base ComplexModified Vitreous Carbon	Istanbul / TURKEY	, May 29th - 31st 2013

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	Electrode WassilaDerafa, Ali Ourari, NawalBounab.		
41	Polymeric Materials Studies Day (JEMP'2013), Béjaia, , poster communicationentitled: CYCLIC VOLTAMETRICINVESTIGATION OF METHANOLATE POLY - ([Ni (II) - L.PYRIDYNE] + 2C1) MODIFIED CARBON VITREOUS ELECTROD W.DERAFA, A.OURARI, N.BOUNAB.	Béjaia	02-03 October 2013
42	International Symposium on Catalysis and Specialty Chemicals ISCSC 2012, , poster communication: STUDY OF NEW NICKEL SCHIFF BASE COMPLEX ELECTROCATALYTIC OXIDATION OF METHANOL AND REDUCTION OF ALKYL HALIDE AND CARBON DIOXIDE DjohraAggoun, Wassila DERAFA, Sabrina BENDIA and Ali OURARI.	Telemcen Algeria	September 23rd-26th, 2012
43	In International Science and Technology Conference (ISTEC 2011) ,poster communication entitled: PRECEPITATION PHENOMENA STUDY DURING AGEING OF CU-SN AND AL-AG ALLOYS. DerafaWassila	Istanbul University	07-09 December 2011
44	3rd Jounèe Scientifique on Process Engineering (JSP3-2012), held at the University of Saad Dahlab in Blida on 19 November 2012, an oral communication entitled:	Blida/Algeria	19 November 2012

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	ELECTROCHEMICAL STUDY OF A COMPLEX HALF UNIT OF Fe (II) NON-SYMMETRIC SCHIFF TETRADENTATE BASE. <u>Derafa Wassila</u> , Ourari Ali		
45	In International Science and Technology Conference (ISTEC 2011) ,poster communication entitled: PRECEPITATION PHENOMENA STUDY DURING AGEING OF CU-SN AND AL-AG ALLOYS. <u>Derafa Wassila</u>	Istanbul University	07-09 December 2011
46	Second International Colloquium of Chemistry, Batna, 1-3 December 2009 , PREPARATION, CHARACTERIZATION AND ELECTROCHEMICAL STUDY OF A NEW COMPLEX OF Ni (II) SCHIFF BASE. <u>W.DERAFA</u> ,A.OURARI, N.BOUNAB and D.AGGOUN	Batna/ Algeria	1-3 December 2009
47	Second International Colloquium of Chemistry, Batna, 1-3 December 2009 , PREPARATION, CHARACTERIZATION AND ELECTROCHEMICAL STUDY OF A NEW COMPLEX OF Ni (II) SCHIFF BASE. <u>W.DERAFA</u> ,A.OURARI, N.BOUNAB and D.AGGOUN.	Batna/ Algeria	1-3 December 2009

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48	8 th Congress of the Algerian Society of Chemistry (SAC'09) - Béjaia, 27, 28 May 2009, oral communication entitled: SYNTHESIS, CHARACTERIZATION AND ELECTROCHEMICAL STUDY OF SCHIFF COMPLEX SUBSTITUTED BY A PYRROLIC GROUP A.OURARI, <u>W.DERAF</u> A, N.BOUNAB and D.AGGOUN.	Béjaia /algeria	27, 28 May 2009
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Supervision of undergraduate:

No.	Thesis Title	Degree		University	Year	College	Department
		M.Sc.	Ph.D.				
1	Studies on the inhibiting action of some symmetrical Schiff base complex on the corrosion of mild steel in aqueous solutions	Magister on physical chemistry		Jouf-univ	2021-2022	science	Chemistry
2	STUDIES ON THE BEHAVIOUR OF SOME POLYDENTATE SCHIFF BASES LIGANDS AS CORROSION INHIBITORS	Magister on physical chemistry		Jouf-univ	2020-2021	science	Chemistry
3	Synthesis, characterization, electrochemical study of new asymmetric ligand Schiff bases	R.P		Jouf-univ	2021-2022	science	Chemistry

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4	SYNTHESIS, CHARACTERIZATION AND THERMIC STUDY OF HEXADENTATE LIGAND AND THIER COMPLEXES OF Cu AND Mg	R.P		Jouf-univ	2019-2020	science	Chemistry
5	Nickel(II), copper(II) complexes with a Schiff base: copper complex catalyzed aerobic oxidation of alcohol to aldehyde	R.P		Jouf-Univ	2019-2020	science	Chemistry
6	Biologic and pharmaceutical activity of Schiff bases derived from dehydroacetic acid DHA	R.P		Jouf-univ	2019-2020	science	Chemistry
7	Synthesis characterization and electrochemical study of binuclear hexadentate schiff base of ligand and its co(ii)-l complex	R.P		Jouf-Univ	2019-2020	science	Chemistry
8	Water treatment of some samples of Al-jouf Sakaka by activated charcoal	R.P		Jouf-univ	2018-2019	science	Chemistry
9	Synthesis, characterization of Schiff bases ligands drived from, DHA and dimethyl amino benzaldehyde	R.P		Jouf-Univ	2018-2019	science	Chemistry
10	Synthesis, characterization and electrochemical study of the complexes of copper and nikcel derivatives of DHA.	R.P		Setif UNIV	2014/2015	science	Chemistry
11	Oxidation of alcohols by complexes Schiff base of copper and nickel.	R.P		Setif UNIV	2014/2015	science	Chemistry

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12	Oxidation of cyclohexane by transition metal schiff bases complexes.	R.P		Setif UNIV	2013/2014	science	Chemistry
13	Conductive polymers and their applications in electrocatalysis.	R.P		Setif UNIV	2012/2013	science	Chemistry
12	Application of non-symmetric Schiff bases complexes of Cu, Ni, Fe, and Mn in electro-catalysis.	R.P		Setif UNIV	2012/2013	science	Chemistry

Membership of specialized committees and associations:

No.	Committee	Period	Place
1	Member of Algerian Society of Chemistry	2011- Now	Algria
2	Member in royal society of chemistry	2019-Now	Algeria
3	Chair of E-learning committee, Chemistry department , college of science	2017-now	Jpuf University
4	Member of the quality committee, Chemistry department, college of science	2017- now	Jpuf University
5	Chair of the laboratories committee,Chemistry department, college of science	2020-now	Jpuf University
	Member of the laboratories committee,Chemistry department, college of scienc	2017-Now	Jpuf University

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	Member of Office Hours Follow-up Committee, Chemistry department, college of science	2017-Now	Jpuf University
	Member of the Scientific and Cultural Committee, Chemistry department, college of science	2017-Now	Jpuf University
	_Reviewer Certificate_MOLSTR	2018-Now	Elsevier
	_Reviewer Certificate_ARABJC	2022-Now	Elsevier

Training courses and workshops:

No.	courses / workshop	Specialization	Held in	Year
	Artificial intelligence training course	Research	Mustaqbil University	23-05-2022
	Step by step Guide on how to Prepare a Successful Paper-Saudi Arabia	Research	AD-Webinar Springer nature	07-12-2021
	Publishing Academic Books with Springer Nature	Research	AD-Webinar Springer nature	08-11-2021
	Navigate Taylor and Francis Author Services Platform- Writing your Manuscript	Research	Saudi digital library	02-11-2021
	Finding the most search-friendly search information on the Springer Publisher platform	Research	Saudi digital library	26-10-2021
	Jove Journals and Science Education	Research	Saudi digital library	20-10-2021
	How to turn your thesis into an article	Research	Saudi digital library	24-10-2021
	How to use Wiley Online Library Advance Training	Research	Saudi digital library	31-03-2021

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1	University trends modern education	Sciences	Jouf university	2020
2	The use of technology in teaching	Sciences	Jouf university	2019
3	The art of drafting and preparing tests in university education	Sciences	Jouf university	2019
4	Thinking in English and Writing Concisely	Sciences	Jouf university	2019
5	Challenges to Achieve and Complete a Research Fund	Sciences	Jouf university	2019
6	Performance indicators	Sciences	Jouf university	2019
7	Recognizing Patterns and Revising Your Writing	Sciences	Jouf university	2019
8	The basic skills to practice academic advising according to modern global practices	Sciences	Jouf university	2019
9	Scientific publications in ISI and Scopus journals	Sciences	Jouf university	2019
10	Learning Outcomes Measurement	Sciences	Jouf university	2019
	Building achievement tests at the university level	Sciences	Jouf university	2018
1	Publishing mechanism in ISI magazine	Sciences	Saudi Digital Library	2019
2	Emerald Base Use Skills	Sciences	Saudi Digital Library	2019
3	Emerald Base Use Skills	Sciences	Saudi Digital Library	2019

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4	Publishing mechanism in ISI magazine	Sciences	Saudi Digital Library	2019
5	Microsoft expert tutor	Sciences	Saudi Digital Library	2019
6	Propuzal - Research	Chemistry	Saudi Digital Library	2019
7	Entrance to project management	Chemistry	Saudi Digital Library	2019

Skills:

Skills	1	Diploma of agent seized in IT 2007-2008.
	2	• <input type="checkbox"/> Good knowledge in electrochemical analytical methods (potentiometry Conductivity, linear and cyclic voltammetry).
	3	• <input type="checkbox"/> Good knowledge in physical analysis methods (IR, UV-VIS, NMR, spectrum HPLC, GPC, ATG / IR, TPR / MS, TPO / MS, DRX, XPS, MEB).
	4	• <input type="checkbox"/> Good knowledge in organic chemistry, crystallography, mineral chemistry and electrochemistry.
	5	• <input type="checkbox"/> Computer: Common use of Microsoft office software, molecular modeling.
	6	• <input type="checkbox"/> Any type of titrations (acid-basic, potentiometric, complexometry).

Community, cultural and volunteer contributions:

No.	activity	Type of activity	Period
1	Student Activities Committee	Presenting a scientific lecture	28-11-2021

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		unsymmetrical Schiff Electropolymerization of:bases	
2	Student Activities Committee	Presenting a scientific lecture on How found chemist about covid- 19 till now	02-03-2021
3	Student Activities Committee	Periodic table and its important in chemistry	02-03-2020
4	Student Activities Committee	Presenting a scientific lecture on The global warming and its effect on environment pollution	27-10-2019
5	Student Activities Committee	Presenting a scientific lecture on The magic of chemistry is between its success and its disadvantages	06-11-2018
6	Arab Chemistry Week 2017	Presenting a lecture on synthesis of new Schiff bases complexes unsymmetrical of transitios metals	25-07-2017

Awards and honors:

No.	Award	Awarded by	Specialization	Period
1		Research project		2020-2021 Jouf-Univ

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2	Measuring the concentration of phosphate and heavy metals in groundwater before and after treatment by low cost technique silica and activated carbon in Al-Jouf- Sakaka	Research project		2019-2020 Jouf-Univ
	Winner of the prize of excellence in research and quality of publication at the six annual forum for scientific research at	Pr		Jouf University— 2019
3	Preparation and characterization of heterogeneous complexes of lanthanides and transition elements and their applications in medicine and biology and their uses for hydrogen energy production. (39/697)	Research project		2018-2019 Jouf-Univ
4	Fuel Cells and Hydrogen 2 (H2020) Joint Undertaking under Project SElySOs with Grant Agreement 67148	Research project		2018-2019 Strasbourg-Univ

Administrative positions

No.	Position	Organization	Country	Period
1				
2				

Languages:

Language	Speaking	Writing	Reading
English	√	√	√

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Arabic	√	√	√
French	√	√	√

Authoring Books

No.	Book Title	ISBN	Co-Author	Edition	Number of Pages	Book Language	Publication Date
1	-----	-----					

Scientific Publication:

No	Title	year	publisher
1	Degradation of newly synthesized Schiff base ligand and its G, Co complexes by hydrolysis and stability in acidic medium Rania H taha *, Wassila Derafa , Fadia F Alruwili, Mahoud F Alruwili	2022	Under review
2	Synthesis of chalcones derivatives and their biological activities Elkanzi, Nadia A.A.; hrichi, hajer; Alolayan, Ruba; Derafa Wassila ; Zahou, Fatin; Baker Rania	2022	Omega ACS
3	Corrosion inhibition of mild steel by highly stable polydentate Schiff base derived from 1,3- propanediamine in aqueous acidic solution. Noura Alharthi; Mohammed El-Hashemy, Wassila Derafa ; Hamud Altale	2022	Saudian journal of chemistry society. accepted

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4	<p>electrocatalytic Heterogeneous Oxidation of Methanol, Ethanol and Isopropanol Alcohols Using Modified Electrodes with Poly-Ni(II)-Schiff Base Complex</p> <p><u>Wassila DERAFA</u>, Djouhra AGGOUN, Ali OURARI</p>	2022	Electrochemical science Journal. accepted
5	<p>An Unexpected Single Crystal Structure of Nickel (II) Complex: Spectral, DFT, NLO, Magnetic and Molecular Docking Studies.</p> <p><u>Wassila DERAFA</u>, Djouhra AGGOUN, Zakia MESSASMA, Selma HOUCHI, Sofiane BOUACIDA, Ali OURARI</p>	2022	Journal of Molecular Structure
6	<p>A novel green synthesized NiO nanoparticles modified glassy carbon electrode for non-enzymatic glucose sensing</p> <p>Messai Youcef , Bezzi Hamza , Hellal Nora , Belbacha Walid , Messali Salima , Belghidoum Ahmed , Foudia Malika , Schmutz Marc , Blanck Christian , <u>Derafa Wassila</u> , Mekki Djamel Eddine , Zerroual Larbi.</p> <p>Microchemical Journal 178 (2022) 107332</p>	2022	Microchemical Journal
7	<p>Removal of heavy metals from groundwater using silica/activated carbon composite, Desalination and Water Treatment</p> <p>Mutairah Shaker Alshammaria, <u>Wassila Derafa</u>, Eiman A.A. Elshaygi, , 238 (2021) 198–206, doi: 10.5004/dwt.2021.27774 http://www.deswater.com/</p>	2021	Desalination and Water Treatment

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8	Synthesis, electrochemical and heterogeneous electrocatalytic behaviors of a novel non symmetrical copper(ii) complex. N. Bounab , A. Ourari , W. Derafa , D. Aggoun J Fundam Appl Sci. 2019, 11(1), 492-512.	2019	J Fundam Appl Sci.
9	Synthesis and characterization of nickel-doped ceria nanoparticles with improved surface reducibility. Wassila Derafa , Fotios Paloukis, Basma Mewafy, Walid Baaziz, Ovidiu Ersen, Corinne Petit, Gwena`el Corbel and Spyridon Zafeiratos. RSC Adv., 2018, 8, 40712–40719	2018	RSC Adv
10	A novel Nickel (II) complex obtained from 2-[(3-Bromo-propylimino)-methyl]-phenol as ligand: Synthesis, structural characterization, electrochemical and electrocatalytical investigations, Res Chem Intermed (2016). doi: 10.1007/s11164-016-2817-z., Ali OURARI, Chahinaz ZOUBEIDI, Wassila DERAFA , Sofiane BOUACIDA, Hocine MERAZIG, Emilia MORALLON.	2016	ResChemIntermed
11	A novel copper (II) complex with an unsymmetrical tridentate-Schiff base: synthesis, crystal structure, electrochemical, morphological and electrocatalytic behaviors toward electroreduction of alkyl and aryl halides. RSC Adv., 2015, 5, 82894, Ali Ourari, Wassila Derafa and Djouhra Aggoun.	2015	RSC Adv
12	Acta Cryst. (2015). E71, m33–m34, Crystal structure of bis(2-[(3-bromopropyl) imino]methyl}phenolato)j2N,O)-copper(II). Ali Ourari, Chahinaz Zoubeidi, Sofiane Bouacida, Wassila Derafa and Hocine Merazig	2015	Acta Cryst

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13	ActaCryst. (2012). E68, m1356–m1357, Bis[l-(3-acetyl-2-hydroxy-6-methyl-4Hpyran-4-one)3O:O0,O00]diaquatetrakis-(pyridine-jN)dicopper(II) diperchlorate. Ali Ourari, WassilaDerafa , Sofiane Bouacida, DjouhraAggouna and Jean-Claude Darand.	2012	ActaCryst
14	ActaCryst. (2011). E67, m1720–m1721), Catena-Poly[[[(pyridine-kN)copper(II)]-1-3-{1-[(2-aminoethyl)imino]ethyl}-6-methyl-2-oxo-2H-pyran-4-olatok4N,N,O4:O2] perchlorate]. Ali Ourari, WassilaDerafa , SofianeBouacidab and DjouhraAggoun	2011	ActaCryst

References:

No.	Name	Job	Address	E-Mail	Tel.
1	Pr. Ali OURARI,	PROFESSOR	Faculty of Engineering University of Setif-1-, Algeria.	alourari@yahoo.fr	Pr. Ali OURARI,
2	Pr. Corinne PETIT.	Professor of STRASBOURG univ	adjointe de l'ECPM Ecole Européenne de Chimie, Polymères et Matériaux de STRASBOURG (ECPM)	Corinne.petit@unistra.fr	Pr. Corinne PETIT.
3	PhD. Spiros Zafeiratos	PhD	ICPEES-UMR 7515 CNRS-ECPM-Université de Strasbourg	spiros.zafeiratos@unistra.fr	PhD. Spiros Zafeiratos