



Pr. Zohir NEDJAR

Professor at Abbes LAGHROUR Khenchela University – Algeria,

Born 01/09/1975 in Khenchela, Algeria

Algerian nationality

Married with 04 children.

PROFIL

BP 2037 RP Khenchela, Algérie.

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LANGUAGES

Arab

French

English

SKILLS

Office 365

Creativity



EDUCATION

Since December 2020 *Professor at Abbés Laghrour Khenchela University*

March 2015 *Class A lecturer, Mohamed Khider Biskra University, Department of Industrial Chemistry.*

July 2013 *Doctorate in Industrial Chemistry, Chemical Engineering option (Mohamed Khider Biskra).*

September 2008 *Class A assistant professor, Mohamed Khider Biskra University, Department of Industrial Chemistry.*

October 2006 *Maître assistant classe B, Université Mohamed Khider Biskra, Département Chimie Industrielle.*

2009-2013 *Doctoral student at Mohamed Khider Biskra University.*

2005-2006 *Part-time teacher, University of Khenchela.*

2005-2006 *Recruited as a state engineer in Environmental Engineering, Forest Conservation, Khenchela, Algeria.*

2005 *Professor of Chemistry at Technicum Djebaili Salah Khenchela, Algeria.*

2004 *Master in Process Engineering, Mineral Enrichment option (Larbi Ben M'hidi University – Oum El-bouaghi).*

1995-2001 *State Engineering Diploma in Industrial Chemistry, Environmental Engineering option (Mentouri University – Constantine).*

1994-1997 *Diploma of Applied University Studies, DEUA, in Industrial Chemistry, Promo Major (Mentouri University – Constantine).*

1994 *Baccalaureate in Industrial Chemistry, Honors: Fairly Good, Khenchela*



EXPERIENCES

2020-2021 *Process intensification, (Course), Master 2, Air water soil pollution, (Course), 3rd year, Regulations and standards (Course), 2nd year license, Adsorption processes and membrane separation, (Course and tutorial), Renewable energy (Course), Master1, Process Engineering, Abbes Laghrour Khenchela University.*

2019-2020	Process intensification, (Course), Master 2, Air water soil pollution, (Course), 3rd year, Regulations and standards (Course), 2nd year license, Adsorption processes and membrane separation, (Course and tutorial), Renewable energy (Course), Master1, Process Engineering, Abbes Laghrour Khenchela University.
2018-2019	Process intensification, (Course), Master 2, Air water soil pollution, (Course), 3rd year, Regulations and standards (Course), 2nd year license, Adsorption processes and membrane separation, (Course and tutorial), Renewable energy (Course), Master1, Process Engineering, Abbes Laghrour Khenchela University.
2014 –2018	Environmental Health and Safety HSE: (Course), 2nd year Bachelor's degree, Process Engineering, department of Industrial Chemistry, BISKRA University. Electrochemistry: (Course, TD), 3rd year License, department of Industrial Chemistry, BISKRA University. Health and Safety: (Course) 3rd year License, department of Industrial Chemistry, University of BISKRA. Atmospheric pollution: (Course, TD), 1st year Master in Environmental Engineering, Department of Industrial Chemistry, University of BISKRA.
2011 –2014	Electrochemistry: (Course, TD), 3rd year License, department of Industrial Chemistry, BISKRA University. Health and Safety: (Course) 3rd year License, department of Industrial Chemistry, University of BISKRA. Atmospheric pollution: (Course, TD), 1st year Master Environmental Engineering, department of Industrial Chemistry, UMKB.
2006 –2010	Electrochemistry, Industrial Safety (Course, TD), 3rd year of State Engineering, Department of Industrial Chemistry, BISKRA University. Chemistry (Course, TD and TP), 1st year ST: (Course, TD and TP), Science and technology, BISKRA University. Chemistry (Course, TD), 1st year biology: Department of Biology, University of BISKRA.
2005 – 2006	Part-time teacher responsible for the following module: Probability and statistics (TD), 1st year of Engineering in Biology, khenchela university center, Department of Biology.

SUPERVISION ACTIVITIES

2018-2019	Treatment and Analysis of Barium Sulphate Deposits at the Hassi Messaoud Field / Algeria.
2018-2019	Study of the adsorption of KEX type xanthate on sulphides. University of kenchela. Calculation of parameters influencing sulphide flotation. University of Khenchela.
2017-2018	Improvement of service conditions upstream of the dryers of the 5th train in the Rhourde Nouss region to extend their lifespan Study of the effect of EDTA on the adsorption of xanthate (KEX) on pyrite (FeS ₂). university of BISKRA.
2016-2017	Study of the effect of the activator on the adsorption of KEX xanthate on sulphides. University of BISKRA.
2015-2016	Qualitative study of the adsorption of KEX xanthate on pyrite FeS ₂ Study of the effect of EDTA on the adsorption of KEX xanthate on galena (PbS). university of BISKRA Synthesis and characterization of potassium ethyl xanthate KEX. University of BISKRA.
2014-2015	Study of the adsorption of KPX type xanthate on PbS and ZnS sulphides Study of the adsorption of KBX type xanthate on the sulphides PbS, ZnS and FeS ₂ . University of BISKRA. Theoretical and experimental study of the adsorption of xanthate on sphalerite. University of BISKRA.
2013-2014	Study of the adsorption of xanthate KAX on sulphides of the PbS, ZnS and FeS ₂ types" and "Synthesis and characterization of xanthate KEX". University of BISKRA. PFE Master, Department of Industrial Chemistry, Process Engineering Department, University of Biskra.
2012-2013	"Study of the adsorption of PIPX and PIBX xanthate on PbS and ZnS type sulphides" and "Synthesis and characterization of PIPX and PIBX xanthate". University of BISKRA. PFE Master, Department of Industrial Chemistry, Process Engineering Department, University of Biskra.
2011-2012	Calculation of the parameters influencing the flotation of sulphides of the PbS, ZnS and FeS ₂ types". University of BISKRA. PFE Master, Department of Industrial Chemistry, Process Engineering Department, University of Biskra.
2010-2011	"Study of the adsorption of KIAX xanthate on PbS and ZnS type sulphides". University of BISKRA.

PFE Master, Department of Industrial Chemistry,
Process Engineering Department, University of Biskra.

2009-2010 Synthesis and characterization of KIAX type xanthate and their use in flotation processes" University of BISKRA.

PFE Master, Department of Industrial Chemistry,
Process Engineering Department, University of Biskra.

2007-2009 "Study of the adsorption of KAX type xanthate and their use in flotation processes" PFE State Engineer, Department of Industrial Chemistry, Industrial Chemistry Sector, University of Biskra.

1. Research

1. Research project manager (PRFU): Enrichment of sulfide minerals by flotation with xanthates, khenchela university, 2019, code: A16N01UN400120190001.
2. Member of a research team (CNEPRU Project): “Synthesis of organometallic complexes by extractive route and development of mixed oxides”, University of Biskra, 2009–2013, code: J0101420100019.
3. Member of a research team (CNEPRU Project): “Liquid-liquid extraction of heavy metals using chelating extractants”, University of Biskra, project approved from 01/01/2014, code: J0101420130048.
4. Member of a research team (PNR Project): “Synthesis of organometallic complexes by extractive route and development of mixed oxides”, University of Biskra, 2012–2014.

2. Administrative position occupied

1. Deputy head of the industrial chemistry department, University of Biskra since October 2009 until 07/04/2018.
2. Member of the scientific council of the Faculty of Science and Technology, University of Biskra since February 17, 2010 until 07/05/2018.
3. Member of the scientific committee of the department of industrial chemistry, University of Biskra from 02/17/2010 until 07/05/2018.
4. Member of the CSD doctoral scientific committee since 09/25/2016 until 07/05/2018.
5. Member of a research team since 2009 to date.

3. Publications and communications

1. International publications

- [1] Salmi Lazhar, **Nedjar Zohir**, SEM AND FTIR STUDY OF EDTA EFFECT ON XANTHATE KEX ADSORPTION ON COPPER ACTIVATED PYRITE, Ponte Journal, Vol. 76 | No. 9/1 | Sep 2020 DOI: 10.21506/j.ponte.2020.9.10
- [2] Mohamed Yazid Belghit, Abdelhamid Moussi, **Zohir Nedjar**, Djamel Barkat, (2018) Determination of the Inhibitory Power Exerted by Copper (II) Complexes Derived from of the Schiff Bases Against to Certain Fungal Species of Fusarium, Analytical Chemistry Letters, Taylor & Francis, 2018 <https://www.tandfonline.com/doi/abs/10.1080/22297928.2018.1545602>
- [3] Mohamed Yazid Belghit, **Zohir Nedjar**, Abdelhamid Moussi, Djamel Barkat, (2017) “The Minimum Inhibitory Concentrations exerted by the N-salicylidene-2-substituted aniline against various strains of phytopathogenic” International Journal of Engineering and Applied Sciences, <https://www.neliti.com/publications/257437/the-minimum-inhibitory-concentrations-exerted-by-the-n-salicylidene-2-substitute#cite>, Juin 2017
- [4] **Zohir Nedjar**, Djamel Barkat, (2015), “STUDIES OF ACTIVATION OF GALENA BY COPPER AND XANTHATE (PIPX) SYNTHESIZED COLLECTORS ADSORPTION”, JESTEC (Journal of Engineering Science and Technology), <http://jestec.taylors.edu.my>
- [5] **Zohir Nedjar**, Djamel Barkat, (2014) “Electrochemistry of Copper Activation of Galena and Xanthate (PIPX) Synthesized Collectors Adsorption “Journal of Engineering Science & Technology (JESTEC), <http://jestec.taylors.edu.my>, 1823-4690 Article publié : April 2016, Volume 11 Issue 2.

[6] **Zohir Nedjar**, Djamel Barkat, (2013)" STUDY OF XANTHANE (KAX) ADSORPTION ON GALENA: SEPARATION BY FLOTATION" The Online Journal of Science and Technology (TOJSAT) <http://www.tojsat.net>, 2146 – 7390.

[7] **Zohir Nedjar** and Djamel Barkat (2012)" Characterization of galena surfaces and potassium isoamyl xanthate (KIAX) synthesized adsorption" Journal of the Iranian Chemical Society - Chemistry and Materials Science - SPRINGER <http://www.springerlink.com>, 1735-207X, doi: 10.10007/s13738-012-0096-1.

[8] **Zohir Nedjar**, Djamel Barkat, Mustapha Bouhenguel (2011)" STUDY OF SULFIDES MINERAL FLOTATION WITH XANTHATES: CONTROL PARAMETRES OF FLOTATION" The Online Journal of Science and Technology (TOJSAT) <http://www.tojsat.net>, 2146 – 7390.

[9] **Zohir Nedjar**, Djamel Barkat (2011)" Studies of Activation of Sphalerite by Copper and Xanthate Adsorption" International Review of Chemical Engineering IRECHE <http://www.praiseworthyprize.com/IRECHE>, 2035-1755.

[10] **Nedjar. Zohir**, Bouhenguel. Mustapha (2009)" Synthesis and Structural Characterization of Xanthate (KEX) in Sight of Their Utilization in the Processes of Sulphides Flotation", Journal of Minerals and Materials Characterization and Engineering <http://www.imp.mtu.edu/jmmce>, 1539-2511.

[11] **Nedjar Zohir**, M. Chikhi, A. Khelfaoui and A.H. Meniai (2007)" Study of the Complexation of Some Heavy Metals in Sight of Their Elimination by Ultrafiltration", Journal of Engineering and Applied Sciences <http://www.medwelljournals.com>, 1818-7803 (Online).

2. International and national conferences with reading committee and proceedings

1-**Zohir Nedjar** and Lazhar Salmi " SEM AND FTIR STUDY OF ADSORPTION CHARACTERISTICS USING XANTHATE (KAX) COLLECTORS ON GALENA" First International Workshop on Environmental Engineering 2019, (IWEE 2019), Sétif

2- **Zohir Nedjar** and Djamel Barkat "Study of adsorption characteristics using xanthate KIBX synthesized collectors on sphalerite" . Séminaire national de génie des procédés, 11-12/décembre/2017, algérie

3- **Zohir Nedjar** and Djamel Barkat « Détermination de la stoechiométrie de l'extraction liquide liquide du fer ferrique avec le TBP par la méthode bi-logarithmique des pentes » Congrès national de la société algérienne de chimie, 8-10 Mai 2018, algérie.

4- **Zohir Nedjar** and Djamel Barkat "Sulphite modification of sphalérite surface and xanthate KAX adsorption", Firste arab conference on mechanical engineering ARCME17, 10-11 Décembre 2017, algérie

5- **Zohir Nedjar** and Djamel Barkat "Electrochemistry of Copper Activation of Galena and Xanthate (PIPX) Synthesized Collectors Adsorption", International symposium on materials chemistry, 19-21 Mars 2018, algérie.

6- **Zohir Nedjar** and Djamel Barkat, "Characterization of galena surfaces and potassium isoamyl xanthate (KIAX) synthesized adsorption", International conference on materials science ICMS2018, 12-14 Septembre 2018, sétif, algérie.

7- **Zohir Nedjar** and Djamel Barkat "SEM AND FTIR STUDY OF ADSORPTION CHARACTERISTICS USING XANTHATE (PIPX) SYTHESISED COLLECTORS ON GALENA", 01-03 Octobre 2018. Tlemcen, algérie.

8- **Zohir Nedjar** and Djamel Barkat, "Copper Activation of Materials « Galena » and Xanthate « KEX » Collectors Adsorption" CNCM,18-19 Mars 2019, Université M'hamed Bougara Boumerdès, algérie.

9- **Zohir Nedjar** and Djamel Barkat « SULPHITE MODIFICATION OF SPHALERITE SURFACES AND XANTHATE ADSORPTION », Advances in Applied Physics and Materials Science Congress” which will be held from 12 to 15 May 2011 in Antalya, Turkey.

10- Nedjar. Zohir, Bouhenguel. Mustapha « Synthesis and structural Characterization Of Xanthate (KEX) In Sight of Their Utilisation in The Processes of Sulphides Flotation », The 15th Arab Chemistry Conference (ACC-15) SYRIA.

11- **Nedjar Zohir**, M. Chikhi, A. Khelifaoui and A.H. Meniai « Etude de la complexation de quelques métaux lourds en vue de leur élimination par ultrafiltration », Taibah International Chemistry Conference 2009. Arabie Saoudite.

12- Nedjar. Zohir, Bouhenguel. Mustapha « Synthesis and structural Characterization Of Xanthate (KEX) In Sight of Their Utilisation in The Processes of Sulphides Flotation », Taibah International Chemistry Conference 2009. Arabie Saoudite.

13- **Nedjar. Zohir**, Bouhenguel. Mustapha « Synthesis and structural Characterization Of Xanthate (KEX) In Sight of Their Utilisation in The Processes of Sulphides Flotation », 1er Colloque International de Chimie (CIC2008) à Tebessa.

14- **Nedjar. Zohir**, Bouhenguel. Mustapha « Synthèse et Caractérisation structurale des Cristaux de Type XANTHATE (KEX51) : Flottation des Sulfures », Journées Internationales des Sciences des matériaux, 2007.

15- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude de L'adsorption Physico-chimique des Xanthates synthétisés (KEX51) sur les Matériaux (PbS-ZnS) En Vue de Leur Elimination Par Flottation », Congrès International sur l'Environnement (CIE2007) à Ghardaia. Algeria.

16- Nedjar Zohir, M. Chikhi, A. Khelifaoui and A.H. Meniai « Study of the complexation of some heavy metals in sight of their elimination by ultrafiltration », International Conference on Engineering technology (ICET2007). held on Kuala Lumpur. Malaysia.

17- **Nedjar Zohir**, M. Chikhi, A. Khelifaoui and A.H. Meniai « Etude de la complexation de quelques métaux lourds en vue de leur élimination par ultrafiltration », Journées internationales d'études sur l'eau ; 2006.

18- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude des voies d'optimisation des conditions physico-chimique de l'utilisation des xanthate dans la flottation des sulfures », 3ème symposium international des hydrocarbures et de la chimie, Ghardaïa, 2006.

19- **Nedjar. Zohir**, Bouhenguel. Mustapha « Synthèse et Caractérisation structurale des Cristaux de Type XANTHATE (KEX51) : Flottation des Sulfures », 1er Colloque Maghrébin sur la Catalyse (1er CMC) ; 2006.

20- **Nedjar Zohir**, M. Chikhi, A. Khelifaoui and A.H. Meniai « Etude de la complexation de quelques métaux lourds en vue de leur élimination par ultrafiltration », 3ème Colloque maghrébin Géophysique Appliquée (CMGA3), Oujda, Maroc ; 2006.

21- **Nedjar. Zohir**, Bouhenguel. Mustapha « Creation of a New Product organometallic (KEX 51) of Their Utilisation in the Processes of Flotation of Sulphides », International Symposium of théoretical Chemistry ; 2006.

22- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude de L'adsorption Physico-chimique des Xanthates synthétisés (KEX51) sur les Matériaux (PbS-ZnS) Par la Méthode Electrochimique : Flottation des Sulfures », Colloque Algéro-Français sur les Matériaux et la corrosion : Application Multifonctionnelles, 2006.

23- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude de l'adsorption des xanthates de type KAX sur le matériau PbS : Séparation par flottation », Séminaire nationale sur la chimie appliquée et technologie des matériaux 19/20-10-2010 à oumelbouaghi, 2010.

- 24- **Nedjar. Zohir**, Bouhenguel. Mustapha « Synthesis and structural Characterization Of Xanthate (KEX) In Sight of Their Utilisation in The Processes of Sulphides Flotation », 2ème Journées de Chimie 26-27 Mars 2007 à l'école militaire Polytechnique E.M.P, Alger. Algérie.
- 25- **Nedjar. Zohir**, Bouhenguel. Mustapha « Synthesis and structural Characterization Of Xanthate (KEX) In Sight of Their Utilisation in The Processes of Sulphides Flotation », 2ème Journées de Chimie 26-27 Mars 2007 à l'école militaire Polytechnique E.M.P, Alger. Algérie.
- 26- **Nedjar Zohir**, M. Chikhi, A. Khelfaoui and A.H. Meniai « Study of the complexation of some heavy metals in sight of their elimination by ultrafiltration », Journée Mondiale de L'environnement 05 juin 2007 (JME 2007) à Skikda. Algérie.
- 27- **Nedjar Zohir**, Bouhenguel. Mustapha « Création d'un nouveau produit organométallique (KEX 51) en vue de leur utilisation dans les procédés de flottation des sulfures », Séminaire national sur la valorisation des phosphates de djebel Onk Tébessa 06-07 Mai 2006, Tébessa. Tébessa.
- 28- **Nedjar. Zohir**, Bouhenguel. Mustapha « Traitement des eaux de procédés chargé en métaux lourds par la flottation inverse », 3ème Séminaire scientifique et technique sur l'environnement, UMMT les 5-6 Juin 2006, Tizi. Tiziouzzou.
- 29- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude des voies d'optimisation des conditions physico-chimique de l'utilisation des xanthate dans la flottation des sulfures », 1ères Journées Nationales de Chimie 28-29 Mars 2005 à l'école militaire Polytechnique E.M.P, Alger. Alger.
- 30- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude des voies d'optimisation des conditions physico-chimique de l'utilisation des xanthate dans la flottation des sulfures », 1ères Journées Nationales de Génie des Procédés 3-4 Mai 2005 à l'université des Sciences et de la Technologie d'Oran M. Boudiaf. Oran.
- 31- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude des voies d'optimisation des conditions physico-chimique de l'utilisation des xanthate dans la flottation des sulfures », 2ème séminaire national de chimie 18-19 Mai 2004 à l'université de Tébessa. Tébessa.
- 32- **Nedjar. Zohir**, Bouhenguel. Mustapha « Etude des voies d'optimisation des conditions physico-chimique de l'utilisation des xanthate dans la flottation des sulfures », Journée d'étude de chimie le 30 juin 2003 au centre Universitaire l'arbi ben M'hidi. Oum el Bouaghi.