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LANGUES

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Diplomes

- **2024:** Promotion en grade de Professeur, Université de Khenchela, Algerie
- **Septembre 2019:** Diplome d'habilitation à diriger des recherches "HDR" Filière: Chimie. Université de Khenchela, Algerie
- **Juillet 2009:** Diplome de Doctorat en Sciences" Filière: Physico-chimie des matériaux. Université Annaba, Algerie.

Domaines de compétences

- Adsorption statique et dynamique
- Modélisation et interprétation de l'adsorption
- Détermination de la surface spécifique des solides (méthode BET)
- Méthodes d'oxydation avancées
- Traitement thermique des matériaux (ATD, ATG).
- Essais tribologiques, frottement, usure,
- Évaluation destructive et microscopie.
- Analyse par diffraction des rayons X.
- Analyse par microscopie électronique à balayage.
- Caractérisations, analyse et interprétation des résultats du comportement électrochimiques des biomatériaux ;
- Méthodes d'analyse et de caractérisation de surfaces et d'interface des biomatériaux ;
- Analyse Physico-Chimique des Matériaux.

PUBLICATIONS INTERNATIONALES

- [1] Mamoun Fellah, Naouel Hezil, Nabila Bouchareb, Fouzia Hamadi, Materials Today Communications, Effect of milling time on structural, mechanical and tribological behavior of a newly developed Ti-Ni alloy for biomedical applications. Material today communication, 108201 (2024). <https://www.sciencedirect.com/science/article/abs/pii/S2352492824001818>. ISSN: 2352-4928. FI: 3.8
- [2] Fouzia Hamadi, Mamoun Fellah, Naouel Hezil, Dikra Bouras, SalahEddine Laouini, Alex mountain, Hamiden Abd El-Wahed Khalifa, Aleksei Obrosof, Gamal A. El-Hiti, Krishna Kumar Yadav. Effect of milling time on structural, physical and tribological behavior of a newly developed Ti-Nb-Zr alloy for biomedical applications. Advanced Powder Technology 35:1, 104306 (2024). <https://doi.org/10.1016/j.apt.2023.104306>. ISSN: 0921-8831 E-ISSN: 1568-5527. IF: 5.2
- [3] Mamoun Fellah, Naouel Hezil, Fouzia Hamadi, Amjad Iqbal, Mohammed Abdul Samad, Alhanouf Alburaikan, Hamiden Abd El-Wahed Khalifa, Aleksei Obrosof. Effect of Fe content on physical, tribological and photocatalytic properties of Ti-6Al-xFe alloys for biomedical applications. Tribology International. 191, 109146 (2024). <https://doi.org/10.1016/j.triboint.2023.109146>. ISSN: 0301-679X, E-ISSN: 1879-2464. IF: 6.2
- [4] Mohammed Farah, Mamoun Fellah, Dikra Bouras, Naouel Hezil, Abderrachid Becheri, Barille Regis, Henda Daoudi, Alex Montagne, Tmader Alballa, Abd El-Wahed Khalifa Hamiden. Unraveling the role of sintering temperature on physical, structural and tribological characteristics of ball milled Co₂₈Cr₆Mo biomaterial based alloy. Journal of Engineering Research. 2307-1885 (2023). <https://doi.org/10.1016/j.jer.2023.10.040>. ISSN: 2307-1877, IF: 1
- [5] Marwa Dahmani, Mamoun Fellah, Naouel Hezil, Mohamed Cherif Benoudia Mohammed Abdul Samad, Alhanouf Alburaikan, Hamiden Abd ElWahed khalifa, Aleksei Obrosof. Structural and mechanical evaluation of a new Ti-Nb-Mo alloy produced by high-energy ball milling with variable milling time for biomedical applications. The International Journal of Advanced Manufacturing Technology. 129, 4971–4991 (2023). <https://doi.org/10.1007/s00170-023-12650-0>. ISSN: 0268-3768, E-ISSN: 1433-3015 IF: 3.4
- [6] Mamoun Fellah, Naouel Hezil, Dikra Bouras, Alex Montagne, Aleksei Obrosof, Wasim Jamshed, Rabha W. Ibrahim, Amjad Iqbal, Sayed M El Din, Hamiden Abd El-Wahed Khalifa. Investigating the effect of milling time on structural, mechanical and tribological properties of a nanostructured hiped alpha alumina for biomaterial applications. Arabian Journal of Chemistry. 16:10, 105112 (2023). <https://doi.org/10.1016/j.arabjc.2023.105112>. ISSN: 1878-5352, E-ISSN: 1878-5379. IF: 6
- [7] Mamoun Fellah, Naouel Hezil, Dikra Bouras, Aleksei Obrosof, Abdul Samad Mohammed, Alex Montagne, Assmaa Abd-Elmonem, Sayed M El Din, Sabine Weiss. Structural, mechanical and tribological performance of a nano structured biomaterial Co-Cr-Mo alloy synthesized via mechanical alloying. Journal of Materials Research and Technology. 25:2152-2165 (2023). <https://doi.org/10.1016/j.jmrt.2023.06.031>; <https://www.journals.elsevier.com/>

- [8] Naouel Hezil, Linda Aissani, Mamoun Fellah, Mohamed Abdul Samad, Aleksei Obrosov, Chekalkin Timofei, Ekaterina Marchenko. Structural, and Tribological Properties of Nanostructured $\alpha + \beta$ Type Titanium Alloys for Total Hip. *Journal of Materials Research and Technology*. 19, 3568-3578. (2022) <https://doi.org/10.1016/j.jmrt.2022.06.042>, <https://www.journals.elsevier.com/journal-of-materials-research-and-technology> ISSN: 2238-7854, E-ISSN: 2214-0697. IF:6.4
- [9] Fouzia Hammadi., Mamoun Fellah., Naouel Hezil., Linda Aissani., Goussem M., Said Mechachti, M Abdulsamad, Alex Montagne, Alain Iost, Sabine Weiss, Obrosov, A. The effect of milling time on the microstructure and mechanical properties of Ti-6Al-4Fe alloys. *Materials Today Communications*, 27, 102428 (2021). <http://dx.doi.org/10.1016/j.mtcomm.2021.102428>. ISSN: 2352-4928. IF:3.8
- [10] Guerrab Fahima., Mamoun Fellah., Naouel Hezil., Said Mechachti, Alex Montagne, Alain Iost, Akram Elhoussein. Mechanical and tribological properties of hot isostatically pressed $\alpha+\beta$ Ti alloys (Ti-6Al-xNb) for biomedical applications. *Trends in Biomaterials and Artificial Organs* 35(1): 15-19 (2021). ISSN: 0971-1198 SCOPUS (23238) DGRSDT
- [11] Mamoun Fellah, Naouel Hezil, Touhami Mohamed Zine, Mohammed Abdul Samad, Aleksei Obrosov, Dmitry O. Bokov, Ekaterina Marchenko, Alex Montagne, Alain IOST, Akram Alhoussein. Structural, Tribological and Antibacterial Properties of ($\alpha + \beta$) based Ti-Alloys for Biomedical Applications. *Journal of Materials Research and Technology*, 9(6):14061-14074(2020), doi:<https://doi.org/10.1016/j.jmrt.2020.09.118>. <https://www.journals.elsevier.com/journal-of-materials-research-and-technology> ISSN: 2238-7854, E-ISSN: 2214-0697. FI: 6.4
- [12] Mamoun Fellah, Naouel Hezil, Kamel Guerfi, Ridha Djellabi, Alex Montagne, Alain Iost, Kirill Borodin; Aleksei Obrosov, Sabine Weiss, Mechanistic pathways of cationic and anionic surfactants sorption by kaolinite in water. *Environmental Science and Pollution Research*. 28:7307-7321 (2020). <https://doi.org/10.1007/s11356-020-11083-6>. <https://www.springer.com/journal/11356> ISSN: 0944-1344, E-ISSN: 1614-7499. IF: 5
- [13] Saoudi Adel, Fellah Mamoun, Hezil Naouel, Larari Djahida, Khamouli Farida, Atoui L'Hadi, Bachari Khaldoun, Morozova Julia, Obrosov Aleksei, Abdul Samad Mohammed, Prediction of mechanical properties of welded steel X70 pipeline using neural network modeling, *International Journal of Pressure Vessels and Piping*. 186, 104153 (2020). <https://doi.org/10.1016/j.ijpvp.2020.104153>. ISSN: 0308-0161, E-ISSN: 1879-3541. IF:
- [14] Fellah, Mamoun, Hezil Naouel., Mohamed Zine, T., Obrosov, A., Weiß, S., Kashkarov, EB, Lider, AM, Montagne, A., Iost, A. Enhanced Structural and Tribological Performance of Nanostructured Ti– 15Nb Alloy for Biomedical Applications, *Results in Physics*, 15, 102767 (2019), <https://doi.org/10.1016/j.rinp.2019.102767>. <https://www.sciencedirect.com/journal/results-in-physics> E-ISSN: 2211-3797. IF: 5.3

- [15] Fellah Mamoun, Hezil Naouel, Djellabi Ridha, Abdul Samad Mohammed, Dekhil Leila, Kossman Stephania, Montagne Alex, Iost Alain, Obrosova Aleksei, Weiss Sabine. Investigating the effect of sintering temperature on structural and tribological properties of a nanostructured Ti-15Mo Alloy for biomedical applications. *Transactions of Nonferrous Metals Society of China*. 29(11) 2310-2320 (2019). [https://doi.org/10.1016/S1003-6326\(19\)65137-X](https://doi.org/10.1016/S1003-6326(19)65137-X). <https://www.sciencedirect.com/journal/transactions-of-nonferrous-metals-society-of-china> ISSN: 1003-6326, E-ISSN: 2210-3384. FI: 4.5
- [16] Fellah Mamoun, Hezil Naouel, Abdul Samad Mohammed, Djellabi Ridha, Montagne Alex, IOST Alain, Obrosova Aleksei, Weiss Sabine. Preliminary investigation on the biotribocorrosion behavior of newly developed nanostructured near β -types titanium based biomedical alloys, *Material Letters*, 257, 126755 (2019). <https://doi.org/10.1016/j.matlet.2019.126755>. <http://www.elsevier.com/locate/mlblue> ISSN:0167-577X, E-ISSN: 1873-4979. IF:3.0
- [17] Fellah Mamoun, Hezil Naouel, Abdul Samad Mohammed, Djellabi Ridha, Montagne Alex, Mejias Alberto, Kossman Stephania, Iost Alain, Purnama Agung, Obrosova Aleksei, Weiss Sabine. Effect of Molybdenum Content on Structural, Mechanical and Tribological Properties of Hot Isostatically Pressed β -Type Titanium Alloys For Orthopedic Applications, *Journal of Materials Engineering and Performance*, 28, 5988–5999 (2019). <https://doi.org/10.1007/s11665-019-04348-w>. <https://link.springer.com/journal/11665> ISSN: 1059-9495, E-ISSN: 1544-1024. IF: 2.3
- [18] Naouel Hezil, Mamoun Fellah, Ridha Djellabi, Touhami Mohammed Zine, Alex Montagne, Alain Iost, Aleksei Obrosova, Sabine Weiß. Assessment of the hydrophilic-hydrophobic balance of Alumina oxidized at different temperatures via H₂O and C₄H₁₀ vapor adsorption” *Defect and Diffusion Forum*, 397, 161-168 (2019). <https://doi.org/10.4028/www.scientific.net/DDF.397.161>. ISSN: 1012-0386; E-ISSN: 1662-9507. (Scopus)
- [19] Bouaksa, Fethia, Mamoun Fellah, Naouel Hezil, Ridha Djellabi, Mohamed Zine Touhami, Alain Iost, Alex Montagne, Stephania Kosman, and Sabine Weiss. Effect of Thermocyclic Treatment with Different Cooling Rates on the Mechanical Characteristics of 42CD4 Low-Alloy Steel. *Defect and Diffusion Forum* 397:169–78. (2019). <https://doi.org/10.4028/www.scientific.net/DDF.397.169>. ISSN: 1012-0386, E-ISSN 1662-9507. (Scopus)
- [20] Naouel HEZIL, Mamoun FELLAH, Alex MONTAGNE, Alain IOST, Aleksei OBROSOV, Sabine WEISS, Removal of Chromium (VI) from Water onto Activated Carbon by Adsorption in Dynamic Mode. In: *The Minerals, Metals & Materials Society (eds) TMS 2020 149th Annual Meeting & Exhibition Supplemental Proceedings*. The Minerals, Metals & Materials

Series. Springer, Cham (2020)pp 855-863, https://doi.org/10.1007/978-3-030-36296-6_80, Online: ISBN978-3-030-36296-6, Print: ISBN 978-3-030-36295-9. (Springer Scopus).https://link.springer.com/chapter/10.1007/978-3-030-36296-6_80

[21] Mamoun FELLAH, Naouel HEZIL, Karima ABDERRAHIM, Mohammed ABDULSAMAD, Alex MONTAGNE, Alberto MEJIAS, Alain IOST, Stephania KOSSMAN, Timofey CHEKALKIN, Aleksei OBROSOV, Sabine WEISS, Investigating the Effect of Sintering Temperature on Structural and Tribological Properties of a Nanostructured Ti–20Nb–13Zr Alloy for Biomedical Applications. In: Li J. et al. (eds) Characterization of Minerals, Metals, and Materials 2020. The Minerals, Metals & Materials Series. Springer, Cham, (2020), pp. 619-629. https://doi.org/10.1007/978-3-030-36628-5_61. Online ISBN 978-3-030-36628-5, Print ISBN 978-3-030-36627-8. (Springer Scopus)https://link.springer.com/chapter/10.1007/978-3-030-36628-5_61

[22] Mamoun FELLAH, Naouel HEZIL, Mohammed Zine TOUHAMI, Mohammed A. HUSSIEN, Alex MONTAGNE, Alberto MEJIAS, Alain IOST, Stephania KOSSMAN, Timofey CHEKALKIN, Aleksei OBROSOV, Sabine WEISS, Effect of Sintering Temperature on Mechanical and Tribological Behavior of Ti–Ni Alloy for Biomedical Applications. In: The Minerals, Metals & Materials Society (eds) TMS 2020 149th Annual Meeting & Exhibition Supplemental Proceedings. The Minerals, Metals & Materials Series. Springer, Cham (2020)pp. 1701-1710, https://doi.org/10.1007/978-3-030-36296-6_157, Online ISBN 978-3-030-36296-6, Print ISBN 978-3-030-36295-9. (Springer Scopus).https://link.springer.com/chapter/10.1007/978-3-030-36296-6_157

[23] Mamoun FELLAH, Naouel HEZIL, Mohammed ABDUL SAMAD, Mohamed Zine TOUHAMI, Alex MONTAGNE, Alain IOST, Alberto MEJIAS, KOSSMAN Stephania “*The Effect of Milling Time on Structural, Friction and Wear Behavior of Hot Isostatically Pressed Ti–Ni Alloys for Orthopedic Applications*” TMS 2019 148th Annual Meeting & Exhibition Supplemental Proceedings. 85 (2019) page 865-875 https://doi.org/10.1007/978-3-030-05861-6_85 (Springer Scopus).https://link.springer.com/chapter/10.1007/978-3-030-05861-6_85.

[24] Mamoun Fellah, Naouel Hezil, Ridha Djellabi, Mohammed Abdul Samad, Touhami Mohammed Zine, Alex Montagne, Alain Iost, Aleksei Obrosovg, Sabine Weiss. “Rapid and Enhanced Recovery of Poly-dispersed Nonionic Surfactant (TX-100) From Organic Mediums Using Dehydrated and Rehydrated Kaolin” Applied Clay Sciences, 177 (2019) 43-50. <https://doi.org/10.1016/j.clay.2019.05.004>; <https://www.sciencedirect.com/journal/applied-clay-science>

- [25] Hezil Naouel, Fellah Mamoun, Synthesis, structural and mechanical properties of nano bioceramic (α -Al₂O₃), Journal of the Australian Ceramic Society. 55 1165-1167 (2019). <https://doi.org/10.1007/s41779-019-00333-7>.
- [26] Fellah Mamoun, Hezil Naouel, Abdul Samad Mohammed, Touhami Mohamed Zine, Montagne Alex, Iost Alain, Alberto Mejias, Kossman Stephania, The Effect of Milling Time on Structural, Friction and Wear Behavior of Hot Isostatically Pressed Ti–Ni Alloys for Orthopedic Applications, Springer Tracts in Modern Physics. 85 (2019) 865-875, https://doi.org/10.1007/978-3-030-05861-6_85.
- [27] Hezil Naouel, Fellah Mamoun, Assala Omar, Touhami Mohamed Zine, Guerfi Kamel, "Elimination of chromium (VI) by adsorption onto natural and/or modified Kaolinite, Diffusion Foundations 18 (2018)106-112. <https://doi.org/10.4028/www.scientific.net/DF.18.106>

COMMUNICATIONS

Communications Internationales

- [1] HEZIL Naouel, FELLAH Mmaoun, RIM Imen, BOUCHARREB Nabila, Improved retrieval of nonionic surfactant from organic media dehydrated and rehydrated kaolin. International Conference on Material Chemistry and Sustainable Development (CM2D'23). Setif, Algeria. 2023. <https://cmdd.univ-setif.dz/> <https://cmdd.univ-setif.dz/index.php/poster-program/>
- [2] RIM Imen, HEZIL Naouel, FELLAH Mmaoun, BOUCHARREB Nabila, Exploring lead adsorption onto inorganic modified Kaolin. International Conference on Material Chemistry and Sustainable Development (CM2D'23). Setif, Algeria, 2023. <https://cmdd.univ-setif.dz/> <https://cmdd.univ-setif.dz/index.php/poster-program/>
- [3] BOUCHARREB Nabila, HEZIL Naouel, FELLAH Mmaoun, RIM Imen, Effect of milling time on structural characterization of nanostructured Ti-Ni alloy. International Conference on Material Chemistry and Sustainable Development (CM2D'23). Setif, Algeria, 2023. <https://cmdd.univ-setif.dz/> <https://cmdd.univ-setif.dz/index.php/poster-program/>
- [4] Djafia Ziad, Hezil Naouel, Fellah Mamoun, Mohamed Abdulsamad, Zairi Amel, Montagne Alex, Megias Alberto, Kosman Stephania, Structural studies of Ti-15B and Ti-20Nb alloys. The First International Conference on Material Science and Applications ICMSA'23, Khenchela, Algeria, 2023. <https://icmsa2023.sciencesconf.org/>
- [5] Hezil Naouel, Fellah Mamoun, Spectrophotometric study of EBT Degradation by Fenton process, The First International Conference on Sciences and Technology MatScience-2022, Khenchela, Algeria, 2022. <https://matscienc2022.wixsite.com/uakh>
- [6] Toualbia Khaled, Fellah Mamoun, Hezil Naouel, The effect on milling time on structural and mechanical properties of HIPed B type Ti15Mo for orthopedic applications, 1st international conference on materials science and technology Khenchela, Algeria, 2022. <https://matscienc2022.wixsite.com/uakh/> <https://easychair.org/my/conference?conf=matsciences2022>

- [7] Boukhalfa Chaima, Hezil Naouel, Fellah Mamoun, Baccouch Mostafa, Dahmani Marwa, The Tribological Performance of Ti-6Al-4V Alloy Synthesized Via High Energy Ball Milling, 2nd International Seminar on Industrial Engineering and Applied Mathematics ISIEAM'22, Skikda October 23-24 , Algeria, 2022. <https://cre.dz/index.php/fr/actualites/nouvelles/100-seminaire-international-en-genie-industriel-et-mathematiques-appliees-sigma-2022>
- [8] Dahmani Marwa, Hezil Naouel, Mohamed-Cherif Benoudia, Fellah Mamoun, Adel SAOUDI, Boukhalfa Chaima, An overview on structural and tribological properties on nanostructured non toxic TNZ alloys for biomedical applications, 2nd International Seminar on Industrial Engineering and Applied Mathematics ISIEAM'22, Skikda October 23-24, Algeria, 2022. <https://cre.dz/index.php/fr/actualites/nouvelles/100-seminaire-international-en-genie-industriel-et-mathematiques-appliees-sigma-2022>
- [9] Boukhalfa Chaima, Hezil Naouel, Fellah Mamoun, Obrosof Aleksei, Dahmani Marwa, The effect of milling time on the tribological performance of $\alpha + \beta$ titanium alloys designed for biomedical applications, The First International Conference on Sciences and Technology MatScience-2022, Khenchela, Algeria , 2022. <https://matscienc2022.wixsite.com/uakh>.
- [10] Marwa Dahmani, Naouel Hezil, Mohamed-Cherif Benoudia, Mamoun Fellah, Adel Saoudi, Chaima Boukhalfa A Study on New Generation Ones β and Near β -type Ti-Nb-Zr Alloys for Bone Implant Application. The First International Conference on Sciences and Technology MatScience-2022, Khenchela, Algeria, 2022. <https://matscienc2022.wixsite.com/uakh>.
- [11] Fouzia Hamadi, Mamoun Fellah, Naouel Hezil. Effect of the High Energy Milling in the Crystallite Size and Microstrain of Ti-6Al-4Fe. The First International Conference on Sciences and Technology MatScience-2022, Khenchela, Algeria, 2022. <https://matscienc2022.wixsite.com/uakh>
- [12] Hezil Naouel, Fellah Mamoun, DEKHIL Leila, Alex Mountain, IOST Alain, Aleksei OBROSOV, Sabine WEISS. Chromium removed in a fixed bed column using granular activated carbon. Maghreb conference on water and the environment in arid and semi-arid zones (CMEEZASA'2021), Biskra, Algeria, 2021. <https://univ-biskra.dz/images/crsi2021/CMEEZASA'2021.pdf>
- [13] Fellah Mamoun, Hezil Naouel, DEKHIL Leila, Montagne Alex, IOST Alain, Aleksei OBROSOV, Sabine WEISS. Removal of phenol from aqueous system by advanced oxidation using the fenton system Fe(II)/H₂O Maghrebi conference on water and the environment in arid and semi-arid zones (CMEEZASA'2021), Biskra, Algeria, 2021. <https://univ-biskra.dz/images/crsi2021/CMEEZASA'2021.pdf>.
- [14] HEZIL Naouel, FELLAH Mamaoun, Estimate of hydrophilicity and characterization of oxidized alumina powder, 2nd international symposium on material chemistry, 16-20 May Boumerdes, Algeria. 2021. Page 216 ISBN: 978-9931-9091-1-7 <https://isymc2020.wixsite.com/umbb>
- [15] HEZIL Naouel, FELLAH Mamaoun, Elimination of Lead by adsorption onto natural and/or modified kaolin, 2nd international symposium on material chemistry, May 16-20 Boumerdes, Algeria. 2021. Page 215 ISBN: 978-9931-9091-1-7 <https://isymc2020.wixsite.com/umbb>
- [16] Hezil Naouel, FELLAH Mamoun, Characterization of alumina- γ prepared from thermal activated kaolinite, 6th Franco-Maghreb Days – Characterization of complex

- materials (JSFM-CMC) (16-18 November 2019), Annaba Algeria (2019).ISBN:9-789961-899564,Page. 71 <http://www.jsfm-cmc.com/> <http://www.univ-annaba.dz/relations-exterieures/manifestations-scientifiques/manifestation-nationale/item/873-6%C3%A8mes-journ%C3%A9es-scientifiques-franco-maghr%C3%A9bines-characteristics%C3%A9risation-of-complex-materials%C3%A9>
- [17] HEZIL Naouel, FELLAH Mamoun, Hydrophilic/hydrophobic balance of Alumina oxidized at high Temperatures, 6th Franco-Maghreb Days – Characterization of complex materials (JSFM-CMC) (16-18 November 2019), Annaba Algeria (2019).ISBN:9-789961-899564Page. 71 <http://www.jsfm-cmc.com/> <http://www.univ-annaba.dz/relations-exterieures/manifestations-scientifiques/manifestation-nationale/item/873-6%C3%A8mes-journ%C3%A9es-scientifiques-franco-maghr%C3%A9bines-characteristics%C3%A9risation-of-complex-materials%C3%A9>
- [18] Mamoun Fellah, Naouel Hezil, M. Abdul Samad, Lakhdar Laouar, S. Kossman, A. Montagne, A. Mejias, A. Iost, A. Obrosof and S. Wiess, Investigating the effect of sintering temperature on structural and tribological Properties of a nanostructured Ti-Nb-Zr Alloy for biomedical application. 6th Franco-Maghreb Days – Characterization of complex materials (JSFM-CMC) (16-18 November 2019), Annaba Algeria (2019) ISBN:9-789961-899564Page. 71 <http://www.jsfm-cmc.com/> <http://www.univ-annaba.dz/relations-exterieures/manifestations-scientifiques/manifestation-nationale/item/873-6%C3%A8mes-journ%C3%A9es-scientifiques-franco-maghr%C3%A9bines-characteristics%C3%A9risation-of-complex-materials%C3%A9>
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- [20] HEZIL Naouel, FELLAH Mamoun, MONTAGNE Alex, IOST Alain, OBROSOV Aleksei, WEISS Sabine. Synthesis, Characterization of nano-sized activated alumina synthesized from kaolinite, 5th International Workshop on thermodynamic of metallic alloys WITAM2019, Batna, November 13-14, 2019, Algeria. <http://witam2019.univ-batna.dz/index.php?lang=en>
- [21] Khalil Saloua, FELLAH Mamoun, HEZIL Naouel, L. SMATA, IOST Alain, MONTHAGNE Alex, MEJIAS Alberto, KOSMAN Stephania, OBROSOV Aleksei and WEISS Sabine. Synthesis and structural characterization of a nanostructured compound of Ti, Mo and Zr for biomedical applications. 3rd International Conference of Mechanics and Materials ICMM'2019. 11-12 November 2019, Setif, Algeria <https://ocs.univ-setif.dz/ICIMM/ICIMM19>
- [22] HEZIL Naouel, FELLAH Mamoun, MONTAGNE Alex, IOST Alain, OBROSOV Aleksei, WEISS Sabine. Removal of methylene blue from water onto biosorbent based on the leaves of Ceratonia Siliqua. 3rd Mediterranean biodiversity conference BIODIV2019, November 01-03, 2019 Hammamet, Tunisia. <https://ascob.net/submissions/index.php/BIODIV/2019>

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- [3] HEZIL Naouel, FELLAH Mamoun. The estimation of the hydrophobicity-hydrophilicity of hydrothermal kaolinite by surfactants adsorption. 1st national conference on materials sciences and engineering May 28-29. Khenchela, Algeria, 2022. ISBN: 978-9931-9603-2-4. <http://mse.epizy.com/?i=1>
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AUTRES ACTIVITES de RECHERCHES

- [1] **Chef de projet PRFU:** *Etude texturale et Structurale, des argiles locales modifiées et leurs utilisations dans l'élimination de polluants organiques et inorganiques dans le cadre de la protection de l'environnement. B00L01UN400120220002, (2022-2025)*
- [2] **Chef de projet PRFU:** *Amélioration des propriétés structurales, électrochimiques et mécaniques des alliages de titane pour prothèses totales de la hanche, B00L01UN400120210001, 2021-2024.*
- [3] **Membre au Projet d'équipe de recherche mixte :** Biomatériaux, Synthèse et Tribologie, 2023.