

CURRICULUM VITAE

Associate Professor Mechanical Engineering Department, Khenchela University. Bp 1251, 40004. Algeria

Doctorate and Habilitation thesis on Metallurgy and materials Science Engineering

First name: Mamoun

Family name: FELLAH

Date of birth: 01/06/1983 - Khenchela

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1. Diplomas

- **July 2016:** Diploma of habilitation thesis to supervise research “HDR” Field: Metallurgy and Material's Engineering. Annaba University, Algeria
- **June 2014:** Diploma of “Doctorate” Field: Metallurgy and Material's Engineering. Annaba University, Algeria.
- **January 2010:** Diploma of “magister” Field: Material's Engineering Option: ”Material’s damage”, Annaba university, Algeria.
- **June 2008:** Diploma of Advanced Studies Field: Material's Engineering (Annaba university- Algeria.
- **June 2007:** State Engineer Field: Metallurgy and Material's Engineering Option : Physical Metallurgy
- **June 2004:** D.E.U.A (Diploma of Applied Academic Studies) Branch: Physico- Chemistry (Annaba university)
- **June 2001:** Bachelor of Technology option (**Mechanical Manufacture**).

2. Projects

- **2014 until today:** Synthesis, nonstructural, tribological and electrochimical behaviors of hiped biomaterials alloys.
- **2010/2014: materials science. Theme:** Electrochemical and tribological behavior of a total heap prosthesis used by Stainless Steel AISI 316L and Ti alloy (Ti-Al-Nb).
- **2009/2010: Damage of Materials. Theme:** Metallurgical and tribological behavior of a total heap prosthesis used by Stainless Steel AISI 316 L.
- **2006/2007: Physico -chemistry. Theme:** Corrosion of lead alloys of second generation.
- **2003/2004: Elaboration of Metals Theme:** Defects of siderurgical products.

3. Research internship

- **2016** Mechanical, Surface and Materials Processing Laboratory, ENSAM lille, France
- **2012** Mechanical, Surface and Materials Processing Laboratory, ENSAM lille, France
- **2008-2009** Stage of research in Metallurgy and Materials Engineering Laboratory, Corrosion and Tribology, Annaba University. Algeria

- **2006-2007** Practical Stage in Metallurgy and Materials Engineering Laboratory, corrosion Annaba University, Algeria.

- **2003-2004** Practical Stage in ARCELOR MITTAL ANNABA

4. Professional experience

- **Jun 2014 until now:** Associate professor, Mechanical engineering Department, Khenchela University. Algeria

- **2011 until 2014:** WELL TESTING Engineer (Corrosion monitoring Project leader) SONATRACH COMPANY ENSP GROUP – Direction WELL SERVICES) and Engineering Cell responsible (commercial, technical, ITT,...)

- **9/2011- 12/2011:** Engineer welding and Quality Control at SONATRACH COMPANY ENGTP (WPS, PQR,...).

- **2010-09/2011:** Inspector Quality control, Non Destructive Testing NDT and piping at LEAD contracting Algeria project LPG3/LDHP SONATRACH HMD Algeria

- **2008- 2010:** Supervisor quality control (inspection corrosion, welding piping and pipe line) at SONATRACH DP (HMD) attached by SGS QUALITEST Algeria

5. Published Papers

[1] **FELLAH Mamoun**, AISSANI Linda, IOST Alain, ZAIRI Amel, MONTAGNE Alex, MEJIAS Alberto, "*Comportement à l'usure et au frottement de deux biomatériaux AISI 316L et Ti6Al7Nb pour prothèse totale de hanche*". *Matériaux & Techniques* 00, (00) (2018), <https://doi.org/10.1051/mattech/2018051>

[2] **FELLAH Mamoun**, AISSANI Linda, ABDUL SAMAD Mohammed, PRAKASAM Mythili, PURNAMA Agung, MONTAGNE Alex, IOST Alain, MEJIAS Alberto, "*Effect of calcination temperature on friction and wear behavior of α -Alumina (α -Al₂O₃) for biomedical applications*", *International journal of applied ceramic technology*. 00 (0) (2018) DOI: 10.1111/ijac.13116.

[3] S. Serrai, S. Mechachti, O. Benchiheub, S. Boudebane, M. Fellah, and M. Z. Touhami, Effect of Liquid Salt Bath Nitrocarburizing on Mechanical Properties of Low Alloy Sintered Steels, *Metallofiz. Noveishie Tekhnol.*, 40 (4) (2018)

[4] AISSANI Linda, **FELLAH Mamoun**, NOUVEAU Corine, "*Structural mechanical and tribological behavior of reactive sputtered Cr-N and Cr-V-N films*", *Diffusion Foundations* 18 (2018) 27-34.

[5] HEZIL Naouel, **FELLAH Mamoun**, GUERFI Kamel, "*Elimination of chromium (VI) by adsorption onto natural and/or modified Kaolinite*", *Diffusion Foundations* 18 (2018) 106-112.

- [6] ASSALA Omar, **FELLAH Mamoun**, MECHACHTI Said, TOUHAMI Mohamed Zine, KHETTACHE Abd elkader, Bouzabataf B, Weiß H. and Jiang X., "Preparation and characterization of diamond-like carbon films prepared by MW/ECR-PACVD process deposited on 41Cr-Al-Mo7 nitrided steel" *Transactions of the IMF*, (96) 3 (2018) 1–10, doi.org/10.1080/00202967.2018.1453444
- [7] **FELLAH Mamoun**, AISSANI Linda, ZAÏRI Amel, ABDUL SAMED Mohamed, NOUVEAU Corine, TOUHAMI Mohammed Zine, DJEBAILI Hamid, MONTAGNE alex, IOST Alain "Thermal treatment effect on structural and mechanical properties of Cr-C coatings". *Transaction of IMF*, 96 (02) (2018) 79-85. <https://doi.org/10.1080/00202967.2018.1424403>.
- [8] FELLAH Mamoun, AISSANI Linda, ABDUL SAMAD Mohammed, PURNAMA Agung , DJBAILI Hamid, MONTAGNE Alex, IOST Alain, NOUVEAU Corinne, *Effect of Zr content on friction and wear behavior of Cr-Zr-N coating system*", *International Journal of Applied Ceramic Technology*. 15 (03) (2018) 701-715, <https://doi.org/10.1111/ijac.12833>
- [9] FELLAH Mamoun, LINDA Aissani, ABDUL SAMAD Mohamed, IOST Alain, TOUHAMI Mohamed Zine, MONTAGNE Alex, NOUVEAU Corine , " *Effect of replacing vanadium by nobium and iron on the tribological behavior of HIPed titanium alloys*". *Acta Metallurgica Scinica (English letter)*, 30 (11) (2017).1089-1099 <https://doi.org/10.1007/s40195-017-0652-x>
- [10] AISSANI Linda, **FELLAH Mamoun**, ABDUL SAMED Mohamed, NOUVEAU Corine, MONTAGNE Alex and IOST Alain, "*structural and mechanical properties of Cr-Zr-N coatings with different Zr content*". *Surface engineering*, 33 (00) (2017). 1-9
<http://dx.doi.org/10.1080/02670844.2017.1338378>
- [11] **FELLAH Mamoun**, AISSANI Linda, NOUVEAU Corine, ABDUL SAMED Mohamed, TOUHAMI Mohamed Zine, MECHACHETI Said, MONTAGNE Alex" *Characterization of R.F magnetron sputtered Cr-N, Cr-Zr-N and Zr-N coatings. Transaction of IMF*. 95(05) (2017) 261-268. <http://dx.doi.org/10.1080/00794236.2017.1339464>
- [12] **FELLAH Mamoun**, AISSANI linda, LABAÏZ Mohamed, ABDUL SAMAD Mohamed, MONTAGNE Alex, " *Friction and wear behavior of biomaterials alloys AISI 316L and Ti-6Al-7Nb analyze and discussion*". *Trends in Biomaterials and Artificial Organs*, 32 (02) (2016) 106-115. <http://biomaterials.org.in/tibao/index.php/tibao/article/view/197>
- [13] **FELLAH Mamoun**, ABDUL SAMAD Mohammed, LABAÏZ Mohamed, ASSALA Omar, "*Sliding friction and wear performance of the nano-bioceramic α -Al₂O₃ prepared by high energy milling*". *Tribology International*, 91 (2015) 151-159. <https://doi.org/10.1016/j.triboint.2015.07.006>

- [14] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, DEKHIL Leila, ALAIN Iost, "*Tribological behavior of biomaterials for total hip prosthesis*". Trends in Biomaterials and Artificial Organs, 29 (01) (2015) 22-30.
- [15] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, DEKHIL Leila, ZERNIZ Nawal, IOST Alain, "*Tribological behavior of biomaterial for total hip prosthesis*". Matériaux & Techniques, 102 (6-7) (2014) 601-612. <https://doi.org/10.1051/mattech/2014027>
- [16] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, DEKHIL Leila, IOST Alain, "*Tribological behavior of Ti-6Al-4V and Ti-6Al-7Nb Alloys for Total Hip Prosthesis*". Advances in Tribology, 7 (2014) 13 pages. <http://dx.doi.org/10.1155/2014/451387>
- [17] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, IOST Alain, "*Comparative study on tribological behavior of Ti-6Al-7Nb and SS AISI 316L alloys, for Total hip prosthesis*". John Wiley & Sons, Inc.USA. The Minerals, Metals & Materials Society (TMS), 237 (2014) 237-246. <https://doi.org/10.1002/9781118889879.ch32>
- [18] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, DEKHIL Leila, ALAIN Iost, "*Tribological behavior of stainless steel AISI 316L for biomedical applications*". Tribology-Materials, Surfaces & Interfaces, 7 (3) (2013) 135-149. <https://doi.org/10.1179/1751584X13Y.0000000032>
- [19] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, DEKHIL Leila, "*Friction and Wear Behavior of Ti-6Al-7Nb Biomaterial Alloy*". Journal of Biomaterials and Nanobiotechnology, 4 (4) (2013) 374. [doi: 10.4236/jbnb.2013.44047](https://doi.org/10.4236/jbnb.2013.44047).
- [20] **FELLAH Mamoun**, LABAÏZ Mohamed, ASSALA Omar, "*Tribological Behavior of Friction Couple: Metal/Ceramic (Used for Head of Total Hip Replacement)*". John Wiley & Sons, Inc., USA. Advances in Bioceramics and Porous Ceramics VI, 34 (6) (2013) 45-57.

6. Conferences Proceedings/ Chapters .

- [1] HAMMADI Fouzia, **FELLAH Mamoun**, HEZIL Naouel, TOUHAMI Mohamed Zine, *Mechanica and tribological proprietés of Ti6Al4Fe Alloy*, 2nd international conference on tribology, **TURKEYTRIB'18**, ELITE WORD Prestige HOTEL-TAKSIM. 18-20 April (2018), Istanbul Turqy. Page 4-10 . ISBN: 978-605-9546-10-2
- [2] HEZIL Naouel, **FELLAH Mamoun**, ABDUL SAMAD Mohamed, TOUHAMI Mohamed Zine, DEKHIL Leila, MONTAGNE Alex, IOST Alain, *Effect of Al Content on tribological Behavior of Cr-Al-N Coating system* 2nd international conference on tribology, **TURKEYTRIB'18**, ELITE WORD Prestige HOTEL-TAKSIM. 18-20 April 2018, Page 19 . ISBN: 978-605-9546-10-2

- [3] AÏSSANI Linda, **FELLAH Mamoun**, NOUVEAU Corinne, MECHRÏ Nassira, “Mechanical and structural properties of thickness on V-C-N films deposited by cathodic magnetron sputtering system” Proceeding book of third international conferences in Mechanical Engineering on December 19-21 Istanbul Turqey ; ISBN 978-605-9546-09-6. (2017) page 6.
- [4] ASSALA Omar, **FELLAH Mamoun**, BELAID Mounia, “Sliding Friction and wear performance of the nano-bioceramic α -Al₂O₃ prepared by high energy milling. Proceeding Book of Second international conference on advances in sciences: ICAS 2017 September 13-15, 2017 TURQEY, ISBN 878-6059546-07-2. (2017) page 23-31.
- [5] **FELLAH Mamoun**, AÏSSANI Linda, “Effect of milling time on tribological behavior of hot isostatic pressed biomaterials titanium alloys Ti-6Al-4X (X=Nb, Fe & V)”. Proceeding Book of Second international conference on advances in sciences: ICAS 2017 September 13-15, 2017 TURQEY, ISBN 878-6059546-07-2. (2017) page 110.
- [6] AÏSSANI Linda, **FELLAH Mamoun**, NOUVEAU Corinne, “The study of physic-chimical proprieties of chromium carbonitrides on machines steel substrates”. Proceeding Book of Second international conference on advances in sciences: ICAS 2017 September 13-15, 2017 TURQEY, ISBN 878-6059546-07-2. (2017) page 111.
- [7] **FELLAH Mamoun**, AÏSSANI Linda, ALLAOUI Abdelhalim, MECHACHETI Said, ABDUL SAMAD Mohamed, MONTAGNE Alex. “*Experimental study of new titanium alloy Ti-6Al-4Fe for biomedical Application*” *proceeding de 3^{ème} Conférence Internationale de Mécanique*, 26 et 27 avril 2017. Annaba - Algérie Maison d’Editions Universitaires Annaba 2017. ISBN: 9789961.899502
- [8] **FELLAH Mamoun**, AÏSSANI Linda, **LABAIZ** mohamed, NOUVEAU Courine, “*Synthesis, microstructural and tribological characterization of calcined nano-bioceramic α -al₂O₃, sintered at different temperatures*” *proceeding de Colloque Indentation 2016 12 – 14 Octobre 2016 Lille Groupe d’Indentation Multi Echelle Nord Pas-de-Calais*. <http://sam.ensam.eu/handle/10985/11624> or http://sam.ensam.eu/bitstream/handle/10985/11624/MSMP_INDENTATION_2016104_MONTAGNE.pdf?sequence=1&isAllowed=y
- [7] **FELLAH Mamoun**, “*Sliding friction and wear performance of the nano-bioceramic α -Al₂O₃ prepared by high energy milling*”. Proceedings of the 14th International Conference on Tribology -SERBIATRIB'15, published by Serbian Tribology Society, Kragujevac. Edited by A. Vencel (13-15Mai 2015) 485-498 <http://tribolab.mas.bg.ac.rs/proceedings.html>.

7. Books

- [1] **FELLAH Mamoun**, "*Le Ti-6Al-4Fe et ses applications aux biomatériaux*" presse Académique Francophone, (13 août 2018) 185 pages ISBN-10: 3841620396 ISBN-13: 978-3841620392
- [2] **FELLAH Mamoun**, *La Science Des Polymères: Matériaux polymères, Structures, propriétés et applications*, Maison d'Éditions Universitaires Européennes, (14 Aug 2018) 180 pages. ISBN-10: 6138423747 ISBN-13: 978-6138423744
- [3] **FELLAH Mamoun**, "*Techniques de caractérisation expérimentale des matériaux*". Maison d'Éditions Universitaires Européennes, (8 octobre 2015) 128 pages. ISBN-10: 3841674550 ; ISBN-13: 978-3841674555 ; EAN: 9783841674555.
- [4] **FELLAH Mamoun**, LABAIZ Mohamed, ASSALA Omar, "*Comportement à l'usure et au frottement d'une biocéramique alumine alpha pour applications biomédicales*" Maison d'Éditions Universitaires Européennes, (29 July 2015) 132 pages. ISBN-10: 3841670040, ISBN-13: 978-3-8416-7004-5. EAN: 9783841670045.
- [5] **FELLAH Mamoun**, "*Méthode d'analyse et Techniques expérimentales I et II*", 3^{ème} année licence Génie des Matériaux, Université Abbes Laghrour – Khenchela (2015). <http://tele-ens.univ-khenchela.dz/moodle/course/category.php?id=15>.

7. Proceeding Editor

- [1] Proceedings of the 4th Annual International Conference on Material Engineering and Application (ICMEA 2017) Editors Prof. Arnulfo Luévanos Rojas, Prof. Amin Riad Maouche Dr. Mamoun Fellah ISSN Part of series: at Advance in Engineering Research, ISSN: 2352-5401, volume: 146 ISBN 978-94-6252-448-4. <https://www.atlantispress.com/proceedings/icmea-17/publishing>

8. Journals Editor Board

- [1] Advances in Materials

<http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=129>

- [2] Nanoscience & Nanotechnology-Asia - Bentham Science

<http://benthamsience.com/journal/index.php?journalID=nna>.

- [3] International Journal of New Technology and Research <https://www.ijntr.org/page/editor-board>

9. Journals Reviewer

- [1] Metallurgical and materials transaction A

- [2] Journal of biomedical materials research part B: Biomaterials
- [3] Journal of Measurement (Elsevier)
- [4] Annual Research & Review in Biology
- [5] Bioinspired, Biomimetic and Nanobiomaterials (ICE, ISI WOS).
- [6] Tribology in industry.
- [7] Asian Journal of Research in Medical and Pharmaceutical Sciences
- [8] Diffusion in Materials.
- [9] Industrial Lubrication and Tribology
- [10] Journal of basic and basic applied research international
- [11] Asian journal of Biology
- [12] Journal of Disease and Global Health
- [13] British Microbiology research journal
- [14] Journal of Biochemistry International.
- [15] British Journal of Medicine and Medical Research
- [16] International Research Journal of Pure and Applied Chemistry
- [17] International Journal of Medical and Pharmaceutical Case Reports
- [18] International Journal of Tropical Disease & Health.
- [19] Microbiology Research Journal International.
- [20] Advances in Materials (Science Publishing Group).
- [21] Journal of Advances in Microbiology.
- [22] Asian Journal of Chemical Sciences.
- [23] Biotechnology Journal International.
- [24] Journal of Nanoresearch
- [25] Chemical Science International Journal

- [26] Journal of Advances in Biology & Biotechnology.
- [27] Asian Plant Research Journal
- [28] Journal of Scientific Research and Reports
- [29] Journal of Advances in Mathematics and Computer Science.
- [30] Advances in Research
- [31] Current Journal of Applied Science and Technology
- [32] Asian Plant Research Journal.
- [33] Asian Journal of Research in Medical and Pharmaceutical Sciences

10. International Technical committee member:

a. Editorial board

- [1] The 4th Annual International Conference on Material Engineering and Application, Wuhan china 15-17th December 2017. <http://www.icmea2017.org/?op=committee> [ICMEA2017].
- [2] The 5th Annual International Conference on Material Engineering and Application, December, 14th-16th, 2018, Wuhan, China. <http://www.icmea2018.org/?op=committee> [ICMEA2018].
- [3] 2018 2nd International Conference on Mechanical Design, Manufacture and Automation Engineering (MDMAE2018) July 24-25, 2018 Xi'an, China <http://www.mdmae2018.org/com.html> General chair
- [4] 2018 International Conference on Computer, Communications and Mechatronics Engineering (CCME2018), December 22-23, 2018, Shanghai, China. <http://www.ccme2018.org/com.html> General chair

b. Reviewer

- [1] The 4th Annual International Conference on Material Engineering and Application, Wuhan china 15-17th December 2017. <http://www.icmea2017.org/?op=committee> [ICMEA2017].
- [2] Third International Conference on Science, Engineering & Environment (SEE), USQ, Brisbane, Australia, 13-16th Novmber 2017, ISBN: 978-4-9905958-9-0 C3051 <http://www.confsee.com/tpc.htm>
- [3] The 6th Global Conference on Materials Science and Engineering October 24th - 27th, 2017, Beijing, China (CMSE 2017) <http://www.cmseconf.org/2017/Committee.html>

- [4] International Conference on Energy, Engineering and Environmental Protection (eep 2017) December 15th-17th, 2017 in Guangzhou, China. <http://www.eep2017.com/?op=committee>
- [5] 5th International Conference on Machine Design and Manufacturing Engineering (ICMDME2018). November 22-23, 2018, Jakarta, Republic of Indonesia. <http://www.icmdme.org/comm.html>
- [6] International Conference on Material Strength and Applied Mechanics (MSAM 2018) April 10th-13th Kitakyushu, City japan www.msamconf.org
- [7] 2nd International Conference on Computer, Mechatronics and Electronic Engineering (CMEE2017), which will be held on December 24-25, 2017, Xiamen, China. <http://www.cmee2017.org/com.html>. contact conf@cmee2017.org.
- [8] Materials-USA. International Conference and Exhibition on Materials & Engineering (ICEME-2018). 7- 9 February 2018 18:00, San Diego, United States. <http://helicsgroup.net/index.php/user/conference/Materialscience/7>
- [9] Mechanical, Automation and Applied Mechanics Conference; **MAAM2018**. February 7-8, 2018. WUHAN, CHINA. <http://www.maam2018.org/com.html>
- [10] 2018 International Conference on Modeling, Simulation and Optimization (MSO2018) January 21-22, 2018. Shenzhen, China <http://www.mso2018.org/com.html>
- [11] 2018 International Conference on Material Engineering (ICME2018) August 17-19, 2018 held in Nanjing, China, <http://www.iwme2018.org/?op=committee>.
- [12] 2018 International Conference on Power, Energy and Environmental Engineering (ICPEEE2018), which will be held on February 7-8, 2018 in Wuhan, China. <http://www.icpeee2018.org/com.html>
- [13] 2018 International Conference on Material Strength and Applied Mechanics (MSAM 2018) April 10th to 13th, 2018 in Kitakyushu City, Japan .
- [14] 2018 6th International Conference on Metallurgy Technology and Materials (6th ICMTM2018) May 30-31, 2018|Xian, China <http://www.icmtm.org/pages/committee.html>.
- [15] The 2018 International Conference on Mechanical Engineering and Materials [ICMEM2018] June 22nd-24th, 2018, Suzhou, China. <http://www.icmem2018.org/?op=committee>
- [16] The 2018 international academic convention concerning Electrical, Control and Mechanical Engineering, April 22-23, 2018 BEIJING CHINA, <http://www.ecme2018.org/com.html> I.
- [17] 2018 international conference on Energy, Power and Materials Engineering, April 22-23, 2018 BEIJING CHINA <http://www.epme2018.org/com.html>.

- [18] 3rd International Conference on Science, Engineering & Environment (SEE), USQ, Brisbane, Australia, 13-16th November 2017, ISBN: 978-4-9905958-9-0 C3051
<http://www.confsee.com/tpc.htm>
- [19] 4th International Conference on Science, Engineering & Environment (SEE), USQ, SEE-NAGOYA 2018, Japan, 12-14th November 2018, ISBN: 978-4-909106018C3051
<http://www.confsee.com/tpc.htm>
- [20] 2018 3rd International Conference on Electrical, Automation and Mechanical Engineering (EAME2018) June 24-25, 2018 in Xi'an, China. <http://www.eame2018.org/com.html>.
- [21] 2018 international conference on Applied Mechanics, Mechatronics and Materials, (AMMM2018) AUGUST 26-27, 2018 BEIJING, CHINA
<http://www.ammm2018.org/com.html>
- [22] 2018 4th International Conference on Mechanical Structures and Smart Materials (4th ICMSSM2018) September 22-23, 2018 in Shenzhen, China.
<http://www.icmssm.org/comm.html/>
- [23] 2017 3rd International Conference on Green Materials and Environmental Engineering (GMEE2017), October 22-23, 2017, Beijing, China
<http://www.gmee2017.org/com.html>
- [24] 2018 4th International Conference on Mechanical Structures and Smart Materials (4th ICMSSM2018), September 22-23, 2018 in Shenzhen, China.
<http://www.icmssm.org/pages/committee.html>
- [25] 2018 4th International Conference on Applied Mechanics and Mechanical Automation (AMMA2018), October 28-29, 2018, in Beijing, China.
<http://www.amma2018.org/com.html>
- [26] 2018 International Conference on Advanced Functional Materials and Composites (ICAFMC2018) September 5-6, 2018 in Barcelona, Spain.
<http://www.icafmtc.org/pages/committee.html>
- [27] 2018 International Conference on Novel Functional Materials (ICNFM2018), September 16-18, 2018 in Anshan, China. <http://www.icnfm.org/committee.html>;
- [28] 2017 4TH International Conference on Green Materials and Environmental Engineering (GMEE201_), October 28-29, 2018, Beijing, China <http://www.gmee2018.org/com.html>
- [29] The 2nd annual International conference on Control Engineering and Mechanical Design [CEMD2018] October 19th-21st, 2018 Guilin, China
<http://www.cemd2018.org/?op=committee> .

- [30] The 2nd annual International conference on advanced education and Management Sciences (AEMS2018) December 22th-23th, 2018 Shanghai, China <http://www.aems2018.org/com.html>
- [31] International conference on "Power Energy and Materials Engineering (PEME 2018) December 22th-23th, 2018 Shanghai, China. <http://www.peme2018.org/com.html>

11. Nationals Conferences

- [1] Naouel HEZIL, **Mamoun FELLAH**, *degradation of organic pollutant by Advanced oxydation using the Fenton system Fe(II) /H₂O₂*, conference nationale sur les risques industriels et environnement CRIE. Skikda, 17-18 octobre 2018
- [2] **Mamoun FELLAH**, Naouel HEZIL, *removal of Cr(VI) from water onto activated carbon by adsorption in dynamic mode*, conference nationale sur les risques industriels et environnement CRIE, Skikda, 17-18 octobre 2018
- [3] AISSANI Linda, **FELLAH Mamoun**, NOUVEAU Corine, *Caractérisation structurale et mécaniques des couches minces a base de carbure de chrome déposé par PVD*, Journée d'études ' nanomatériaux et leurs applications pour le développement durable, OUM EL BOUAGHI 19/04/2018.
- [4] AISSANI Linda, **FELLAH Mamoun**, NOUVEAU Corine, *Etude des propriétés strycturales des couches minces de Cr-V-N*. Séminaire sur la technologie des matériaux et applications. **Sntma 2018. El oued** 19/2/2018

11. Internationals Conferences

- [1] Mamoun FELLAH, Naouel HEZIL, Lakhdar LAOUAR, Amel ZAIRI, Alain LARGETEAU, Mythili PRAKASAM, Alex MONTAGNE, Alain IOST, "*Effect of Zr content on friction and wear behavior of Cr-Zr-N coating system*", 5^{ème} Journées Franco-Maghrébines – Caractérisation des matériaux complexes (JSFM-CMC) à Hammamet (Tunis). (22-24 october 2018) page. 119-123
- [2] Mamoun FELLAH, Naouel HEZIL, Lakhdar LAOUER, Mohammed BEN NASSER, Stephania KOSSMAN, Alberto MEJIAS, Alex MONTAGNE, Alain IOST, "*Tribological behaviour of Nanostructured β -Ti alloys as a function of Mo at.% content*". 5^{ème} Journées Franco-Maghrébines – Caractérisation des matériaux complexes (JSFM-CMC) à Hammamet (Tunisia). (22-24 october 2018). Pages 284-287.
- [3] Mamoun FELLAH, Naouel HEZIL, Mohamed ZINE TOUHAMI, Lakhdar LAOUER, Said MECHACHTI, Stephania KOSSMAN, Alberto MENJIAS, *effect of sintering temperature on tribological behavior of β -types ti-mo alloy with low modulus*. 5^{ème} Journées Franco-Maghrébines – Caractérisation des matériaux complexes (JSFM-CMC) , Hammamet (Tunisia). (22-24 october 2018). Pages 288-291.

- [4] *Fatima ALLOUCHE, BENLACHEB, Mamoun FELLAH, Naouel HEZIL, The new hybrid materials and the effect of H-bond*, 5^{ème} Journées Franco-Maghrébines – Caractérisation des matériaux complexes (JSFM-CMC) à Hammamet (Tunisia). (22-24 october 2018). Page 176-180.
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- [6] *Fouzia HAMMADI, Mamoun FELLAH, Touhami MOHAMED ZINE, Abdelaziz BOUCHELACHEM., Stephania KOSSMAN, Alain LARGETEAU, Microstructure and mechanical properties of Ti-6Al-4V alloy for biomedical application*. 5^{ème} Journées Franco-Maghrébines – Caractérisation des matériaux complexes (JSFM-CMC) à Hammamet (Tunisia). (22-24 october 2018).
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- [11] **Mamoun FELLAH**, Naouel HEZIL, Mohammed ABDUL SAMAD, Alex Montagne, Stephania Kosman, Alberto Megias, Alain Iost, Alain Largeteau, Mythili Prakasam, *Effect of calcination temperature on wear resistance of nanosized alumina alpha for biomedical applications*. International Conference on Materials Science 2018 (ICMS2018), 12-14 September 2018, Setif. Algeria.

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- [53] **FELLAH Mamoun**, LABAÏZ Mohamed, DJEDDI Nouredine, HIDOUS Ilyes, "*Usure des filières de tréfilage – Causes et Remèdes*". 2nd International conference of welding and non Destructive Testing- (IC-WNDT-MI'10), Centre de recherche scientifique et technique en soudage et contrôle CSC, Oran, (27-28 Novembre 2010) Algérie. <https://library.csc.dz/media/articles/2015-04/friction-and-wear-mechanisms-of-biomater-20150429102418-663767.pdf>
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12. International Collaboration

- [1] Mechanics, Surfaces and Materials Processing laboratory, MSMP-ENSAM, lille, France.
- [2] La.Bo.Ma.P, ENSAM, Cluny, Rue Porte de Paris, Cluny, France.

13. Contributions to research projects

- [1] CNEPRU Project "*Contribution à l'étude de la galvanisation à chaud en continu de l'acier A 9 à Arcelor Mittal- Annaba*", Algeria. Projet code J0301120120087 (2015).
- [2] Projet CNEPRU, "*Contribution à l'étude de la galvanisation à chaud en continu de l'acier A 9 à Arcelor Mittal - Annaba*", Projet code : J0301120120087 (2012-2014).
- [3] Membre of Surface Engineering group. Laboratory of Metallurgy and Materials Science Engineering, Annaba University, Algeria (From 2009 until 2016).
- [3] Head of tribology Materials surface and interfaces group. Laboratory of Metallurgy and Materials Science Engineering, Annaba University, Algeria (From 2009 until 2016).

14. Technical knowledge

- **Non destructive Examination:** Radiography X and γ , Ultrasonic, Foucault Currents, Magnetic particles, Liquid Penetrat.
- **Certified ASNT level II (MT & PT)**
- Prepared Welding Procedure Specification (**WPS**) and Procedure Qualification record (**PQR**)
- **Electrochemical Test Machining** (Potentiodynamic Cyclic, Potentiodynamic Polarization curves $\log |i|=f(E)$ and OCP Open circuit potential $E=f(t)$,).
- Tribological tests, friction, Wear ,
- Visual inspection of Pipeline, Piping, Process, steel tanks for storage oil (repair, alteration, reconstruction, corrosion, sanding and coating
- Destructive Evaluation and Microscopy.
- Heat and thermo chemical treatments.
- X-Ray diffraction Analysis.
- Scanning Electronic Microscopy micrographs analysis.

15. Keywords: Tribology, Materials, Surface & interfaces, Biomaterials Sintering, Milling, Hot Isostatic Preesing, Friction and wear tests, Corrosion, Electrochemical Impedance Spectroscopy, Total Hip prosthesis. Powder Mettallurgy, X-Ray Diffraction analysis, Ceramics, Nanotribology, Nanobiomaterials, coating....

16. Computing Skills

- **Programmation :** MATLAB, BASIC, PASCAL, Access ...
- **Operating Systems:** MS-DOS, Windows (XP, 2000, 98).
- **Office Applications:** Word, Excel, Power point.