




## CURRICULUM VITAE

<b>Name</b>	<b>Ahmed SM Agena</b>	
<b>Nationality:</b>	Libyan	
<b>Qualification Kind:</b>	Ph. D. 2009	
<b>Academic degree:</b>	Professor	
<b>University:</b>	University of Zawia	
<b>Faculty:</b>	Petroleum and Gas Engineering	
<b>Department:</b>	Materials Science Engineering	
<b>Specialization:</b>	Nano materials	
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## Career Overview

<b>Graduate study</b>	<b>BS.c-</b> in Mechanical and Industrial Engineering, Faculty of Engineering- Al-Fateh University, 1992. Project title ( Explosive Forming
<b>Postgraduate (MSc) From</b>	Mechanical and Industrial Engineering, Faculty of Engineering- Al-Fateh University, 2001. <b>Thesis title</b> (A study of double process of perforation and reduction of pipe wall thickness in forward extrusion process)
<b>Postgraduate study (PhD) From</b>	Material science and Engineering, Faculty of Mechanical Engineering- Budapest University of Technology and Economics, Hungary,H-1111. Budapest 2009 <b>Dissertation title:</b> "Forward Extrusion of Tube from Ultra-fine Grained Material"

## C. Scientific Activities (Conferences, Workshops, Courses):

Chairmanship and membership in over 10 conferences (either as part of the preparatory or scientific

committees), as well as conducting or participating in scientific, cultural training courses and radio programs.

- **2016:** Chair of the **First Conference on Science and Technology**, held on **15-16 October 2016** at the *House of Culture, Al-Zawiya*.
- **2018:** Chair of the **Scientific Committee for the Urban Planning Workshop**, *Higher Institute of Comprehensive Professions, Al-Zawiya*.
- **2022:** Chair of the **First Scientific Conference on Information Technology and Computer Science**, *Faculty of Information Technology, University of Al-Zawiya* (February 2022).
- **2022:** Chair of the **Libyan International Conference on Applied Sciences and Engineering**, held at *Bab Al-Bahr Hotel, Tripoli* (October 2022).
- **2015–Present:** Editor-in-Chief of the *International Journal of Science and Technology, Libyan Authority for Scientific Research*.

### Publications المنشورات

1. Gyorgy. K, Arpad. F, and Ahmed.A, Anisotropic mechanical properties of an ultra-fine grained aluminum alloy, *Ultrafine Grained Materials 4*, TMS, USA, 2006.
2. Gyorgy Krallics, Ahmed. Agena, "Investigation of Workability of Al-6082 Nanostructured Materials". The 12th International Arab Conference, P. 282-287, 2006.
3. Gyorgy. Krallics, Ahmed. Agena, "Investigation of Ductile Fracture of Nanostructured Al-6082 Material". *Periodica Polytechnica Ser, Mech. Eng*, Vol. 50 -2, P. 89-97, 2006.
4. Gyorgy Krallics, Ahmed. Agena, "Investigation of Workability of Al-6082 Nanostructured Materials", *Emirates Journal for Engineering Research*, V. 12 (3), P. 9-13, 2007.
5. A. Agena, G. Krallics, "Mechanical Behavior of Nanostructured AL-6082 Alloy Produced by Equal Channel Angular Process (ECAP)", under published on industrial research journal, industrial research center, Tripoli Libya.
6. Gyorgy Krallics, Ahmed. Agena, "Tube Extrusion of Nanostructured Al-6082 Materials", 6th Hungarian Materials Science Conference-OAK, 14-16 October 2007.
7. Ahmed S.M. Agena, "A study of flow characteristics of nanostructured Al-6082 alloy produced by ECAP under upsetting test", *journal of materials processing technology*, 2008.  
[www.sciencedirect.com](http://www.sciencedirect.com).
8. أحمد الصغير المهدي جاب الله عجينة، محمد المنير حدود " دراسة الخواص الميكانيكية للألياف الزجاجية عند درجات الحرارة المختلفة" مجلة البحوث الصناعية 2015 ص 22-12
9. أحمد الصغير المهدي جاب الله عجينة، " دراسة و مقارنة الخواص الميكانيكية لأنواع حديد التسليح الموجودة في السوق الليبي" المؤتمر الأول للعلوم والتقنية. 15-16 أكتوبر 2016 ، ص 25-43.
10. [Ahmed S. M. J. Agena](#), "Finite element simulation of a doubled process of tube extrusion and wall thickness reduction", *World Journal of Mechanics* > Vol.3 No.5, August 2013
11. احمد الصغير المهدي جاب الله عجينة . ""السلوك الغير منتظم في الخواص الميكانيكية للمواد الهندسية المنتجة بواسطة عملية البثق داخل قالب به قناتين متساويتان و متعامدتان ."" ECAP" مجلة العلوم و الهندسة. 2016
12. Ahmed.S.M.Agena, "Finite Element Simulation of a Forward Extrusion of Copper produced by Equal Channel Angular Pressing", *International Science and Technology Journal*, Vol. 27, 2021, pp:450-469.
13. احمد الصغير المهدي عجينة، " تقنيات النانو والتقنيات الحديثة- دراسة لاستخدامات المواد النانومترية وتقنية النانو في مجالات الاتصالات وتقنية المعلومات" ، المؤتمر العلمي الاول لتقنية المعلومات وعلوم الحاسوب- كلية تقنية المعلومات – جامعة الزاوية- 2022/2/22-21م. تم نشرها بالمجلة الدولية للعلوم والتقنية في عدد خاص ( فبراير 2022).
14. احمد الصغير المهدي عجينة، " تطبيقات واستخدامات المواد النانومترية في المجالات الطبية والصيدلانية"، المجلة الدولية للعلوم والتقنية يوليو 2022.