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التعليم العالي
2024/02

دكتوراه في الهندسة المدنية (جامعة سيدى بلعباس،الجزائر)
هيكل ومواد

2019/07

التأهيل الجامعي (جامعة عنابة،الجزائر)
هيكل ومواد

2013/12

دكتوراه في علوم الهندسة (جامعة بيزانسون، فرنسا)
المحاكاة العددية في العلوم وهندسة المواد

2010/02

ماجستير في الهندسة المدنية (جامعة باتنة 2،الجزائر)
جيوفنقي

2009/07

الماجستير في الميكانيكا، علم الطاقة والهندسة (جامعة غرونوبل، فرنسا)
المنذجة والتجريب في الميكانيكا الصلبة

2006/07

مهندس مدني (جامعة باتنة 2،الجزائر)
المنشآت المدنية والصناعية

الخبرة الأكademie

2024/02 – حتى الان

أستاذ التعليم العالي (جامعة خنشلة،الجزائر)

2024/01 – 2019/08

أستاذ محاضر(أ) (جامعة خنشلة،الجزائر)

2019/07 – 2016/12

أستاذ محاضر(ب) (جامعة خنشلة،الجزائر)

2016/11 – 2015/12

أستاذ مساعد (ب) (جامعة خنشلة،الجزائر)

2014/08 – 2013/09

أستاذ مؤقت بالتعليم والبحث (جامعة بيزانسون ، فرنسا)

الخبرة الغير الأكاديمie

2009/08 – 2008/09

مهندس تصميم : تصميم يستند إلى دليل و برامج التصميم المناسبة

2008/08 – 2006/09

مهندس مدني : عقد بين الشركتين (SERO-EST) ، الجزائر (Matière) ، فرنسا

المسؤوليات

2023/12 – حتى الان

مسؤول تخصص ليسانس (أشغال عمومية)

2023/11 – 2017/12

مسؤول تخصص ماستر (طرق و منشآت فنية)

أنشطة مختلفة

مراجع لعدة مجلات دولية

المنشورات في آخر عشر سنوات (مختارة)

Mamen, B., Bouhadra, A., Bourada, F., Bourada, M., Tounsi, A., & Hussain, M. (2024). Four-variable Quasi-3D model for nonlinear thermal vibration of FG plates lying on Winkler-Pasternak-Kerr foundation. *Scientia Iranica*, (), -. <https://doi.org/10.24200/sci.2024.60340.6746>

Messaoudi, A., Bouhadra, A., Menasria, A., **Mamen, B.**, Boucham, B., Benguediab, M. & Al-Osta, M. A. (2023). Impact of the Shear and Thickness Stretching Effects on the Free Vibrations of Advanced Composite Plates. *Mechanics of Composite Materials*, 1-18. <https://doi.org/10.1007/s11029-023-10148-0>

Ali Rachedi, M., Bouhadra, A., **Mamen, B.**, Benyoucef, S., Tounsi, A., & Ghazwani, M. H. (2023). Assessment of the effect of the materials composition on the bending response of FG plates lying on two models of elastic foundations in thermo-hydro-mechanical environments. *Acta Mechanica*, 1-26. <https://doi.org/10.1007/s00036-023-03696-y>

Lekouara, L., **Mamen, B.**, Bouhadra, A., Menasria, A., Benrahou, K.H, Tounsi, Al-Osta, MA. (2023). Theoretical buckling analysis of inhomogeneous plates under various thermal gradients and boundary conditions. *Structural Engineering and Mechanics*, 86(4):443-459. <https://doi.org/10.12989/sem.2023.86.4.443>

Yahiaoui, D., Boutrid, A., Saadi, M., **Mamen, B.**, & Bouzid, T. (2023). New Anchorage Technique for GFRP Flexural Strengthening of Concrete Beams Using Bolts-End Anchoring System. *International Journal of Concrete Structures and Materials*, 17(1), 1-15. <https://doi.org/10.1186/s40069-023-00578-4>

Sahli, M., Abid, M., Barrière, T., & **Mamen, B.** (2023). Investigation on machining of a Ti–6Al–4V alloy using FEM simulation and experimental analysis. International Journal on Interactive Design and Manufacturing (IJIDeM), 17(2), 801-811. <https://doi.org/10.1007/s12008-022-0001>

Lemsara, F., Bouzid, T., Yahiaoui, D., **Mamen, B.**, & Saadi, M. (2023). Seismic Fragility of a Single Pillar-Column Under Near and Far Fault Soil Motion with Consideration of Soil-Pile Interaction. Engineering, Technology & Applied Science Research, 13(1), 9819-9824. <https://doi.org/10.48084/etasr.5405>

Hadji, M., Bouhadra, A., **Mamen, B.**, Menasria, A., Bousahla, A.A., Bourada, F., Bourada, M., Benrahou, H.H., and Tounsi, A. (2023). Combined influence of porosity and elastic foundation parameters on the bending behavior of advanced sandwich structures. Steel and composite structures, 46(1), 1-13. <https://doi.org/10.12989/scs.2023.46.1.001>

Tamrabet, A., **Mamen, B.**, Menasria, A., Bouhadra, A., Tounsi, A., Ghazwani, M. H., Alnujaie, A., and S.R. Mahmoud (2023). Buckling behaviors of FG porous sandwich plates with metallic foam cores resting on elastic foundation. Structural Engineering and Mechanics, 85(3), 289. <https://doi.org/10.12989/sem.2023.85.3.289>

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Mamen, B., Bouhadra, A., Bourada, F., Bourada, M., Tounsi, A., Mahmoud, S. R., & Hussain, M. (2022). Combined Effect of Thickness Stretching and Temperature-Dependent Material Properties on Dynamic Behavior of Imperfect FG Beams Using Three Variable Quasi-3D Model. Journal of Vibration Engineering & Technologies, 1-23. <https://doi.org/10.1007/s42417-022-00704-8>

Berkia, A., Benguediab, S., Menasria, A., Bouhadra, A., Bourada, F., **Mamen, B.**, Tounsi, A., Benrahou, K.H., Benguediab, M., and Hussain, M. (2022). Static buckling analysis of bi-directional functionally graded sandwich (BFGSW) beams with two different boundary conditions. Steel and composite structures, 44(4), 489-503. <https://doi.org/10.12989/scs.2022.44.4.503>

Himeur, N., **Mamen, B.**, Benguediab, S., Bouhadra, A., Menasria, A., Bouchouicha, B., Bourada, F., Benguediab, M., Tounsi, A. (2022). Coupled effect of variable Winkler-Pasternak foundations on bending behavior of FG plates exposed to several types of loading. Steel and composite structures, 44(3), 339-355. <https://doi.org/10.12989/scs.2022.44.3.353>

Fissah, B., Belghalem, H., Djeddou, M., **Mamen, B.** (2022). Critical thermal shock temperature prediction of alumina using improved hybrid models based on artificial neural networks and Shannon entropy. Journal of Mechanical Engineering and Sciences, 16(2), 8892-8904. <https://doi.org/10.15282/jmes.16.2.2022.07.0703>

Messas, T., Achoura, D., Abdelaziz, B., & **Mamen, B.** (2022). Experimental investigation on the mechanical behavior of concrete reinforced with Alfa plant fibers. Frattura ed Integrità Strutturale, 16(60), 102-113. <https://doi.org/10.3221/IGF-ESIS.60.08>

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Mamen, B., & Hammoud, F. (2021). Microstructural observations of shear zones at cohesive soil-steel interfaces under large shear displacements. Geomechanics and Engineering, 25(4), 275-282. <https://doi.org/10.12989/gae.2021.25.4.275>

Mamen, B., Benali, F., Boutrid, A., Sahli, M., Hamidouche, M., & Fantozzi, G. (2021). Experimental investigation and non-local modelling of the thermomechanical behaviour of refractory concrete. Ceramics–Silikáty, 65(3), 295-304. <https://doi.org/10.13168/cs.2021.0031>

Mamen, B., Kolli, M., Ouedraogo, E., Hamidouche, M., Djoudi, H., & Fantozzi, G. (2019). Experimental characterisation and numerical simulation of the thermomechanical damage behaviour of kaolinitic refractory materials. Journal of the Australian Ceramic Society, 55, 555-565. <https://doi.org/10.1007/s41779-018-0262>

Sahli, M., **Mamen, B.**, Ou, H., Gelin, J. C., Barrière, T., & Assoul, M. (2018). Experimental analysis and numerical simulation of sintered micro-fluidic devices using powder hot embossing process. The International Journal of Advanced Manufacturing Technology, 99, 1141-1154. <https://doi.org/10.1007/s00170-018-2509>

Mamen, B., Barriere, T., Gelin, J-C. (2013). Investigations on thermal debinding process for fine 316L stainless steel feedstocks and identification of kinetic parameters from coupling experiments and finite element simulations. Powder technology, 235, 192-202. <https://doi.org/10.1016/j.powtec.2012.10.006>

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Amrane, B., Ouedraogo, E., **Mamen, B.**, Djaknoun, S., & Mesrati, N. (2011). Experimental study of the thermo-mechanical behaviour of alumina-silicate refractory materials based on a mixture of Algerian kaolinitic clays. Ceramics International, 37(8), 3217-3227. <https://doi.org/10.1016/j.ceramint.2011.05.095>