



# Dr. Abderrahmane MENASRIA

Associate Professor -HDR-

## PROFILE

- Abbes Laghrour University -Khenchela-
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## TEACHING

- Structural Mechanics
- Metal constructions
- Strength of Materials
- Elasticity

## RESEARCH

- Advanced Materials
- FGM
- Composites
- Elasticity

## LANGUAGES

- Arabic
- French
- English

## FORMATION

2021

Sidi Bel Abbes, Algeria

**University Habilitation HDR, Civil Engineering**

*Djillali Liabes University -Sidi Bel Abbes-*

2015 - 2018

Sidi Bel Abbes, Algeria

**Ph.D. in Science, Civil Engineering**

*Djillali Liabes University -Sidi Bel Abbes-*

2006 - 2009

Constantine, Algeria

**Magister in Civil Engineering**

*University of Mentouri -Constantine-*

### ABBES LAGHROUR UNIVERSITY -Khenchela-

Positions held:

• **University Lecturer (Tenured)** ... 2012 to date  
*Department of Civil Engineering, Faculty of Science & Technology, University of Khenchela, Algeria*

• **Head of the PRFU research project** ... 2022 to date  
*Entitled: Effect of scale on the response of heterogeneous material structures,*  
*Code : A01L02UN400120220003.*

• **Head of the TP Stream formation team** ... 2021 to date

• **Head of the GC Stream formation team** ... 2014-2020

• **Member of the Scientific Committee of ... 2019-2022 the GC Department**

### DJILLALI LIABÈS UNIVERSITY

Positions Held :

• **Member of the LM&H laboratory** .... 2016 to date  
*Laboratory of Excellence in Materials & Hydraulology*

1. Salah Refrafi, Abdelaziz Boutrid, Abdelhakim Bouhadra, **Abderrahmane Menasria**, Belgacem Mamen, (2024). “*Quasi-3d analytic model for free vibration analysis of simply supported functionally graded plates (SS-FGP)*”. Journal of Theoretical and Applied Mechanics, Sofia, Vol.54 (2024) pp. 89-102. DOI: <https://doi.org/10.55787/jtams.24.54.1.089>
2. Rachid Slimani, **Abderrahmane Menasria**, Mohamed Ali Rachedi b,c, Chitour Mourad, Salah Refrafi, Ali Alselami Nimer, Abdelhakim Bouhadra, Belgacem Mamen, (2024). “*A novel quasi-3D refined HSDT for static bending analysis of porous functionally graded Plates*”. Journal of Computational Applied Mechanics 2024, 55. DOI: 10.22059/JCAMECH.2024.372417.968
3. Tamrabet Abdelkader, Chitour Mourad, Ali Alselami Nimer, **Menasria Abderrahmane**, Mamen Belgacem, Bouhadra Abdelhakim, (2024). “*Efficient Kinematic model for Stability Analysis of Imperfect Functionally Graded Sandwich Plates with Ceramic middle layer and Varied Boundary Edges*”. Journal of Computational Applied Mechanics 2024, 55. DOI: 10.22059/JCAMECH.2024.371464.947
4. Djamel Eddine Lafı, Abdelhakim Bouhadra, Belgacem Mamen, **Abderahmane Menasria**, Mohamed Bourada, Abdelmoumen Anis Bousahla, Fouad Bourada, Abdelouahed Tounsi, Abdeldjebbar Tounsi and Murat Yaylacı, (2024). “*Combined influence of variable distribution models and boundary conditions on the thermodynamic behavior of FG sandwich plates lying on various elastic foundations*”. Structural Engineering and Mechanics, Vol. 89, No. 2 (2024) 103-119. DOI: <https://doi.org/10.12989/sem.2024.89.2.103>
5. Laid Lekouara, Belgacem Mamen, Abdelhakim Bouhadra, **Abderahmane Menasria**, Kouider Halim Benrahou, Abdelouahed Tounsi and Mohammed A. Al-Osta., (2023). “*Theoretical buckling analysis of inhomogeneous plates under various thermal gradients and boundary conditions* “. Structural Engineering and Mechanics, Vol. 86, No. 4 (2023) 443-459. DOI: <https://doi.org/10.12989/sem.2023.86.4.443>.
6. A. Messaoudi, A. Bouhadra, **A. Menasria**, B. Mamen, B. Boucham, M. Benguediab, A. Tounsi and M. A. Al-Osta, (2023). “*Impact of the shear and thickness stretching effects on the free vibrations of advanced composite plates*”. Mechanics of Composite Materials, Vol. 59, No. 5, November, 2023.
7. Malek Hadji, Abdelhakim Bouhadra, Belgacem Mamen, **Abderahmane Menasria**, Abdelmoumen Anis Bousahla, Fouad Bourada, Mohamed Bourada, Kouider Halim Benrahou and Abdelouahed Tounsi, (2023). “*Combined influence of porosity and elastic foundation parameters on the bending behavior of advanced sandwich structures*”. Steel and Composite Structures, Vol. 46, No. 1. DOI : <https://doi.org/10.12989/scs.2023.46.1.001>
8. Abdelkader Tamrabet, Belgacem Mamen, **Abderrahmane Menasria**, Abdelhakim Bouhadra, Abdelouahed Tounsi, Mofareh Hassan Ghazwani, Ali Alnujaie and S.R. Mahmoud, (2023). “*Buckling behaviors of FG porous sandwich plates with metallic foam cores resting on elastic foundation*”. Structural Engineering and Mechanics, Vol. 85, No. 3. DOI : <https://doi.org/10.12989/sem.2023.85.3.000>
9. Abdelhak Berkia, Soumia Benguediab, **Abderrahmane Menasria**, Abdelhakim Bouhadra, Fouad Bourada, Belgacem Mamen, Abdelouahed Tounsi, Kouider Halim Benrahou, Mohamed Benguediab and Muzamal Hussain, (2022). “*Static buckling analysis of bi-directional functionally graded sandwich (BFGSW) beams with two different boundary conditions*”. Steel and Composite Structures, Vol. 44, No. 4. DOI : <https://doi.org/10.12989/scs.2022.44.4.503>
10. Nabil Himeur, Belgacem Mamen, Soumia Benguediab, Abdelhakim Bouhadra, **Abderrahmane Menasria**, Benattou Bouchouicha, Fouad Bourada, Mohamed Benguediab and Abdelouahed Tounsi. (2022). “*Coupled effect of variable Winkler–Pasternak foundations on bending behavior of FG plates exposed to several types of loading*”. Steel Compos. Struct., Vol. 44, No. 3. DOI : <https://doi.org/10.12989/scs.2022.44.3.339>
11. Faicel Khadraoui, **Abderahmane Menasria**, Belgacem Mamen, Abdelhakim Bouhadra, Fouad Bourada, Soumia Benguediab, Kouider Halim Benrahou, Mohamed Benguediab and Abdelouahed Tounsi, (2022). “*Thickness stretching and nonlinear hygro-thermo-mechanical*

*loading effectson bending behavior of FG beams*". Structural Engineering and Mechanics, Vol. 84, No. 6. DOI : <https://doi.org/10.12989/sem.2022.84.6.783>

12. Mourad Chitour, Abdelhakim Bouhadra, Soumia Benguediab, Abdenour Saoudi, **Abderrahmane Menasria**, Abdelouahed Tounsi. (2022). "*Effect of Phase Contrast and Geometrical Parameters on Bending Behavior of Sandwich Beams with FG Isotropic Face Sheets*". Journal of Nano- and Electronic Physics, Vol. 14 No 5, 05016(6pp).  
DOI: 10.21272/jnep.14(5).05016
13. Mourad Chitour, Abdelhakim Bouhadra, Mohamed Benguediab, Khelifa Mansouri, **Abderrahmane Menasria**, Abdelouahed Tounsi. (2022). "*A New High Order Theory for Buckling Temperature Analysis of Functionally Graded Sandwich Plates Resting on Elastic Foundations*". Journal of Nano- and Electronic Physics, Vol. 14No 3, 03028(8pp).  
DOI: 10.21272/jnep.14(3).03028
14. Bouzid Merazka, Abdelhakim Bouhadra, **Abderrahmane Menasria**, Mahmoud M. Selim, Abdelmoumen Anis Bousahla, Fouad Bourada, Abdeldjebbar Tounsi, Kouider Halim Benrahou, Abdelouahed Tounsi and Mesfer Mohammad Al-Zahrani, . (2021). "*Hygro-thermo-mechanical bending response of FG plates resting on elastic foundations*". Steel and Composite Structures, Vol. 39, No. 5 631-643.  
DOI: <https://doi.org/10.12989/scs.2021.39.5.631>
15. Abdelhakim Bouhadra, **Abderrahmane Menasria**, Mohamed Ali Rachedi. (2021). "*Boundary conditions effect for buckling analysis of porous functionally graded nanobeam*". Advances in Nano Research 10 (4), 313. DOI : <http://10.12989/anr.2021.10.4.313>
16. **Abderrahmane Menasria**, Abdelhakim Kaci, Abdelmoumen Anis Bousahla, Fouad Bourada, Abdeldjebbar Tounsi, Kouider Halim Benrahou, Abdelouahed Tounsi, E.A. Adda Bedia and S.R. Mahmoud. (2020). "*A four-unknown refined plate theory for dynamic analysis of FG-sandwich plates under various boundary conditions*". Steel and Composite Structures 36 (3), 355-367. DOI : <http://dx.doi.org/10.12989/scs.2020.36.3.355>
17. Salah Refrafi, Abdelmoumen Anis Bousahla, Abdelhakim Bouhadra, **Abderrahmane Menasria**, Fouad Bourada, Abdeldjebbar Tounsi, E.A. Adda Bedia, S.R. Mahmoud, Kouider Halim Benrahou and Abdelouahed Tounsi, (2020). "*Effects of hygro-thermo-mechanical conditions on the buckling of FG sandwich plates resting on elastic foundations*". Computers and Concrete 25 (4), 311-325. DOI: <http://dx.doi.org/10.12989/cac.2020.25.4.311>
18. **Abderrahmane Menasria**, Abdelhakim Bouhadra, Abdelouahed Tounsi, Abdelmoumen Anis Bousahla and S.R. Mahmoud. (2017). "*A new and simple HSDT for thermal stability analysis of FG sandwich plates*", Steel and Composite Structures, Vol. 25, No. 2 (2017) 157-175. DOI : <http://dx.doi.org/10.12989/scs.2017.25.2.157>