NGUYEN DINH DUC

Dr.Sci., Full Professor

Distinguished Professor of VNU Hanoi University of Engineering and Technology

The member of the Central Committee of the Vietnam Fatherland Front
Term V (1999-2024), team X (2024-2026) and team XI (2026-2031)

Former Chairman of the University of Engineering and Technology, VNU Hanoi

Vice-President of Vietnamese Association in Mechanics

President of the network club about ensures the quality of higher education of Vietnam

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Google Scholar citation:

https://scholar.google.com/citations?user=EZyXrYEAAAAJ&hl=en&oi=ao

1. EDUCATION

B.Sc.: 1984, Hanoi State University, Faculty of Math. & Mech., Hanoi, Vietnam

Ph. D: 1991, Moscow State University, Faculty of Math. & Mech. , Moscow – Russia

Post-doctoral at Moscow State University (1991-1993);

Dr.Sc: (Habilitation) 1997, Laboratory of Mechanics of composite materials –

Mechanical Engineering Research Institute of Russian Academy of Sciences, Moscow
Academician of the Russian Academy of Natural Sciences since 1999.

Visiting professor at Mechanical Engineering Research Institute of Russian Academy of sciences (1998-2001);

Visiting professor at Japan Advanced Institute of Sciences and Technology - JAIST (2006-2009);

Associate Professor at VNU Hanoi in 2007, **Full professor** at VNU Hanoi in 2013 - present.

Guest research professor at University of Birmingham, UK (2016-2017); **Visiting professor** at Sejong University, Korea (2017- 2021); **Adjunct professor** at Korea University (2/2025 – present).

2. CAREER

- 1980-1984: Student of Dept.of. Maths. & Mech., Hanoi State University, (B.Sc – 1984).

- 1985-10/1986: Lecturer of Dept.of. Maths. & Mech., Hanoi State University.

- 10/1986- 9/1991: Post-graduate for Ph.D. Dissertation at Dept. of Maths. & Mech. , Moscow State University. (Ph.D-1991).

- 10/1991-6/1993: Post-doctoral at Dept. of Mathe. & Mecha., Moscow State University.

- 6/1993-12/1997: Post-graduate for Dr.Sci. (Dr. Habilitation) Dissertation at Laboratory of Mechanics of composite, Mechanical Engineering Research Institute of Russ. Acad. of Sci. (Dr.Sc -1997).

- 12/1997-8/1999: Researcher of Laboratory of Mechanics of composite, Mechanical Engineering Research Institute of Russian Academy of sciences.

- The member of the Central Committee of the Vietnam Fatherland Front in period 1999-2004.

- 9/1999 -12/2001: Guest Research Professor - Main researcher of Laboratory of Mechanics of composite, Mechanical Engineering research Institute of Russian Academy of sciences.

- The Vice-President and Secretary general of Vietnam Science-Technical Association in Russia (1999-12/2001). The foreign member of Russian Academy of Natural Sciences and the member of International Academy of Scientific Inventions and Patents (since 1999).

- 2/2002-6/2003: Lecture - Faculty of Mathematics, Mechanics and Information, University of Sciences, Vietnam National University - Hanoi

- 7/2002-9/2003: Expert of External Affairs and Economic Department of the Central Committee of the Vietnam Fatherland Front. Guest Lecturer of University of Sciences, Vietnam National University – Hanoi; The Head of Editorial Board of Mathematics and Physics Journal (in English) of Vietnam National University, Hanoi (since 2002).

- 9/2003-3/2004: Expert of School of Graduate Studies, Vietnam National University, Hanoi (VNU). Guest Lecturer of University of Sciences, Vietnam National University – Hanoi.

- 3/2004-9/2004: Vice-Director of Academic Affairs Department, Vietnam National University, Hanoi (VNU). Vice-President of Vietnamese Young Scientist Association in Vietnam (2004-2010).

- 10/2004-2/2005: Vice Director of Science and Technology Department, Vietnam National University , Hanoi (VNU).

- 2/2005 – 11/2008: Director of Science and Technology Department, Vietnam National University, Hanoi (VNU). The secretary of the Council for Science and Education of Vietnam National University, Hanoi.

- Associate Professor (2007). Full professor (2013). The Third Prize of "Talented Vietnamese National Award " (in Vietnam, 2008). Visiting professor at Japan Advanced Institute of Sciences and Technology (2006-2009)

- 11/2008- 9/2012: Vice President of University of Engineering and Technology - Vietnam National University, Hanoi.

- 10/2012- 5/2023: Director of Undergraduate and Postgraduate Academic Affairs Department, Vietnam National University, Hanoi.

- The Chairman of the University of Engineering and Technology, VNU Hanoi (5/2023 –11/2024).

- The member of the Vietnam Professor Council in Mechanics, 2014-2025.

- The Director of Laboratory of Advanced Materials and Structures, University of Engineering and Technology (UET) – VNU Hanoi, 2015-7/2026.

- The Dean of the Faculty of Civil Engineering of University of Engineering and Technology (UET) – VNU Hanoi, 2018- 7/2026.

- The Director of Infrastructure Engineering Program of Vietnam-Japan University (VJU), 2016- 12/2025.

- Director of the Automation and Informatics Program of VNU Hanoi - International School, 2020-5/2026.

- **Present:**

- Distinguished Professor of VNU Hanoi, University of Engineering and Technology.
- The member of the Central Committee of the Vietnam Fatherland Front, Term V (1999-2024), team X (2024-2026), team XI (2026-2031)
- President of the network club about ensures the quality of higher education of Vietnam (2023 – present)
- Vice-President of Vietnamese Association in Mechanics, 2017-present.
- Honorary Director of Institute of Advanced Technology and Artificial Intelligence, Hung Vuong University, Ho Chi Minh City.

3. TEACHING EXPERIENCE

- Continuum Mechanics
- Mechanics of Deformed Solid
- Mechanics of Composite Materials
- Strength of Material and Mechanics of Structures
- Functionally Graded Materials
- The Theory of Elastic and Plastic
- The Theory of Plates and Shells
- The sustainable development in Civil Engineering
- Feng Shui in Civil Engineering
- Advanced materials in Engineering
- Application of AI in Engineering

4. RESEARCH INTEREST AND SPECIALIZATION

- Mechanics of composite materials
- Functionally Graded Materials (FGM, FG CNTRC, auxetic, penta-graphene)
- Dynamic and Vibration of Advanced Structures
- Nonlinear stability of FGM plates and shells
- Composite structures with dynamic crack propagation
- Constructions and composite structures subjected to special loads
- Piezoelectric composite and auxetic materials
- Nano composite materials in renewable Energy
- Composite with space structure (Carbon-carbon composite 3D, 4D)

- Three phases polymer composite and nanocomposite
- Advanced materials and Structures
- Multiphase flow in fluid mechanics
- Applied Mathematics and Mechanics
- Application of Al and Machine Learning in Engineering

5. BOOKS (monographs and text books)

1. **Nguyen Dinh Duc**, *The spherofibre composite with space structure*, URSS Publishing House, Moscow, Russia, 2000, 242 pages (Monograph in Russian).
2. **Nguyen Dinh Duc, Nguyen Hoa Thinh**, *Composite materials - Mechanics and Technology of manufacture*, Science and Technics Publishing House, Hanoi, Vietnam, 2002, 364 pages (Monograph in Vietnamese).
3. **Nguyen Dinh Duc, Dao Nhu Mai**, *Strength of the Materials and Structures.* Vietnam National University Press, Hanoi, 2012, 292 pages (Text book in Vietnamese).
4. **Nguyen Dinh Duc,** *Nonlinear Static and Dynamic Stability of Functionally Graded Plates and Shells*. Vietnam National University Press, Hanoi, 2014, 724 pages (Monograph in English).
5. **Nguyen Dinh Duc, Tran Quoc Quan, Pham Hong Cong**, *Nonlinear Vibration of Auxetic Plates and Shells.* Vietnam National University Press, Hanoi, 2021, 376 pages (Monograph in English).
6. **Nguyen Dinh Duc, Vu Thi Thuy Anh,** *Mechanics of Deformed Solid.* Vietnam National University Press, Hanoi, 2022, 374 pages (Text book in Vietnamese).

6. REFEREEING ACTIVITY:

6.1. Reviewer for the following ISI international journals

1. J. Computational Materials Sciences (SCI, Elsevier)
2. International Journal of Mechanical Sciences (SCI, Elsevier)
3. International Journal of Non-Linear Mechanics (SCI, Elsevier)
4. J. Composite Structures (SCIE, Elsevier)
5. J. Mechanic of Composite Materials (SCIE, Springer)
6. Journal of Engineering Mathematics (SCIE, Springer)
7. Journal of Mechanics of Science and Technology (SCIE, Springer)
8. Journal of Vibration and Control (SCIE, SAGE)
9. Journal of Composite Materials (SCIE, SAGE)

10. Journal of Vibration and Acoustic, ASME
11. Journal of Engineering Mechanics (SCI, ASCE)
12. International Journal of Structural Stability and Dynamics (SCIE, World Scientific)
13. Journal of Zhejiang University-SCIENCE A (SCIE, Springer)
14. Engineering Failure Analysis (SCIE, Elsevier)
15. Acta Astronautica (SCIE, Elsevier)
16. Meccanica (SCI, Springer)
17. Mechanics Based Design of Structures and Machines (SCI, Taylor & Francis)
18. Science and Engineering of Composite Materials (SCIE, De Gruyter)
19. ZAMM - Zeitschrift fuer Angewandte Mathematik und Mechanik (Journal of Applied Mathematics and Mechanics, Germany)
20. Cogent Engineering (UK, Taylor & Francis, Scopus journal)
21. J. of the Brazilian Society of Mechanical Sciences and Engineering (SCIE)
22. Mechanics of Advanced Materials and Structures (Taylor & Francis, SCIE)
23. Applied Mathematical Modelling (Elsevier, SCIE)
24. Journal of Theoretical and Computational Science (OMICS Publishing)
25. Scientia Iranica (SCIE, Sharif University of Technology)
26. J. Aerospace Science and Technology (Elsevier, SCI).
27. Computer Methods in Applied Mechanics and Engineering (Elsevier, SCI)
28. KSCE Journal of Civil Engineering (Springer, SCIE)
29. Mechanics Research Communications (Elsevier, SCI)
30. Ocean Engineering (Elsevier, SCI).
31. Earthquake Engineering and Engineering Vibration (Springer, SCIE)
32. Journal of Sandwich Structures and Materials (SAGE, SCIE)
33. Journal of Computational and Nonlinear Dynamics (The American Society of Mechanics Engineers)
34. Acta Mechanica (Springer, SCI)
35. Composite Part B: Engineering (Elsevier, SCI)
36. Iranian Journal of Science and Technology, Transactions of Mechanical Engineering (Publisher of Shiraz University, SCIE)
37. Engineering Optimization (Taylor & Francis, SCIE)
38. Smart Structures and Systems – International journal (Techno-Press, SCIE)

39. Part C: Journal of Mechanical Engineering Science (SAGE, SCI)
40. Advanced in Mechanical Engineering (SAGE, SCIE)
41. Advanced in Composite Material (Taylor & Francis, SCIE)
42. Journal of Mechanical Engineering Science (Proc. IMechE Part C)
43. International Journal of Mechanics and Materials Design (Springer, SCIE)
44. Applied Mathematics and Mechanics – English Edition (Springer, SCIE)
45. Engineering Structures (Elsevier, SCI)
46. Computers & Structures (Elsevier, SCI)
47. Science China Technological Sciences (Springer, SCI)
48. Intelligent Material Systems and Structures (SAGE, SCIE)
49. Advanced in Engineering Software (Elsevier, SCIE)
50. Proceeding A: Mathematical, Physical and Engineering Sciences (The Royal Society Publishing).
51. The European Physical Journal Plus (Springer, SCI)
52. Steel and Composite Structures (Techno-Press, SCI)
53. Smart Structures and Systems (Techno-press, SCIE)
54. Earthquakes and Structures (Techno-Press, SCIE)
55. Computers & Mathematics with Applications (Elsevier, SCI)
56. International Journal of Computational Methods (World Scientific, SCIE)
57. European Journal of Environment and Civil Engineering (Taylor & Francis, SCIE)
58. Journal of Advanced Research (Elsevier, SCIE)
59. Engineering with Computers (Springer, SCIE)
60. Results in Physics (Elsevier, SCIE)
61. Journal of Thermoplastic Composite Materials (SAGE, SCIE)
62. Journal of Materials Science (Springer, SCI)
63. Engineering Computations (Emerald Publishing Limited, SCIE)
64. Ships and Offshore Structures (Taylor & Francis, SCIE)
65. Computer Modeling in Engineering & Science (Tech Science Prees, SCIE).
66. Defence Technology (Elsevier, SCIE)
67. Science Progress (SAGE, SCIE)
68. Low Frequency Noise Vibration and Active Control (SAGE, SCIE)

69. International Journal of Mechanical and Materials Engineering (Springer, SCIE)
70. Ships and Offshore Structures (Taylor & Francis, SCIE)
71. Engineering Computations (Emerald - UK, SCIE)
72. Ceramic International (Elsevier, SCIE)
73. Theorical and Apllied Fracture Mechanics (Elsevier, SCIE)
74. International Journal of Applied Mechanics (World Scientific, SCIE)
75. J of Material Research and Technology (Elsevier, SCIE)
76. Physics of Fluid (AIP Publisshing, SCI)
77. Computers & Structures (Elsevir, SCI)
78. International Journal of Engineering Science (Elsevir, SCI)
79. International Journal on Interactive Design and Manufacturing (IJIDeM) (Springer, SCIE)
80. International Journal of Polymer Science (Willey, SCIE)
81. Sound and Vibration (Elsevier, SCI)
82. Nonlinear Dynamic (Springer, SCI)
83. Archives of Civil and Mechanical Engineering (Springer, SCIE)
84. Alexandria Engineering Journal (Elsevier, SCI)
85. Journal of Engineering Analysis with Boundary Elements (Elsevier, SCIE)
86. International Journal of Impact Engineering (Elsevier, SCI)

6.2. Member of Editorial Board of Journals:

- The Head of Editorial Board of Journal of Mathematics and Physics, Vietnam National University, Hanoi (since 2002).
- The member of Editorial Board (The Head of Engineering and Technology Session) of Vietnam Technology and Sciences Journal – Vietnam Ministry of Technology and Science
- The member of Editorial Board of Vietnam Journal of Mechanics
- The member of Editorial Advisory Board of Journal Cogent Engineering (UK, Taylor & Francis, SCIE Journal)
- The member of Editorial Board - Journal of Science: Advanced Materials and Devices (SCIE journal, Elsevier)
- The member of Editorial Board – Journal of Aerospace Science and Technology (SCI journal, Elsevier)
- The member of Editorial Board - Journal of Science and Engineering of Composite Materials (De Gruyter, SCIE journal)

- The member of Editorial Board of Journal of Mechanical Engineering Science (Proc. IMechE Part C, SCI journal, SAGE)
- The member of Editorial Board of Journal Science Progress (SCIE journal, SAGE)
- The member of Editorial Board of Journal of Mechanical Science and Technology (SCIE journal, Springer)
- The member of Editorial Board of Journal of Mechanics of Composite Materials (SCIE journal, Springer).
- The member of Editorial Board of Journal of Applied Mathematics and Mechanics -Zeitschrift für Angewandte Mathematik und Mechanik, ZAMM (SCI, WILEY).
- The member of Editorail Board of the Journal "Aerospace" (SCIE, MDPI).
- The member of Editorial Board of International Journal on Interactive Design and Manufacturing (IJIDeM) (Springer, SCIE).
- The member of Editorial Board of Acta Mechanica (SCI, Spriger).
- The member of Editorial Board of International Journal of Polymer Science (SCIE, WILLEY).
- The member of Editorial Board of the Journal "Machine Science" (which is published at the Azerbaijan Technical University).
- The member of Editorial Board of the Journal "Materials Genome Engineering" (EnPress Publisher LLC).
- The member of the Vietnam Professor Council in Mechanics (2014 – present)

7. PUBLICATIONS: 423 publications (including 254 papers in International SCI, SCIE listed journals) [IF trên 2.0: 228 articles; IF trên 3.0: 203 articles; IF trên 4.0: 176 articles; IF trên 5.0: 131 articles; IF trên 6.0: 100 articles; IF trên 7.0: 63 articles; IF trên 8.0: 35 articles; IF trên 11.0: 12 articles; IF trên 14.0: 2 articles]:

1. **Nguyen Van Huong, Nguyen Dinh Khoa, Pham Hong Cong, Nguyen Dinh Duc** (2027). *Buckling and dynamic instability zone of piezoelectric semiconductor plate under thermal environment.* European Journal of Mechanics-A/Solid, 121 (2027) 106344, https://doi.org/10.1016/j.euromechsol.2026.106344 (Elsevier, SCI, IF=4.87).
2. **Tran Dinh Tuan, Vu Minh Anh, Tran Quoc Quan, Nguyen Dinh Duc** (2026) *Thermo-electro-magneto-mechanical vibration and machine learning based multi-objective optimization of MWCNT/GNP hybrid sandwich plate with auxetic honeycomb core*. Accepted for publication. International Journal of Mechanics & Materials in Design (MAMD), (Springer, SCIE, IF=4.7).
3. **Minh Duc Banh, Ba The Dang, Minh Thi Le, Farzad Ghafoorian, Hung The Tran, The-Mich Nguyen, Duc Dinh Nguyen, Anh Dinh Le** (2026). *Coupled blade profile and cylindrical deflector for enhancing Savonius wind turbine performance*. Ocean Engineering, 365 (2026) 127386 (Elsevier, SCI, IF=5.5).

4. **Dinh Thang Tran, Le Minh Nguyen, Anh Tuan Nguyen, Duc Dinh Nguyen, Ninh Thuan Truong, and Viet Dung Duong** (2026). *On the trailing coherent structures of a delta wing in ground effect.* Physics of Fluid, https://doi.org/10.1063/5.0333992, 38, 064117 (2026) (American Institute of Physics - AIP Publishing, SCI, IF= 4,1).

5. **Dinh Van Dat, Nguyen Dinh Khoa, Tran Quoc Quan, Nguyen Dinh Duc** (2026). *Nonlinear stability analysis of imperfect three-phase double curved shallow shell integrated with magneto-electro-elastic face sheets*. Journal of Applied Mathematics and Mechanics - ZAMM, Vol. 106 (6) 2026, e70509 https://doi.org/10.1002/zamm.70509, (Wiley, SCI, IF=3.7).

6. **Van Luan Nguyen, Duc Do Do, Van Nguyen Nguyen, Minh Hieu Nguyen, Nguyen Dinh Duc, and Van Thuong Nguyen** (2026). *Semi-analytical analysis of pin-loaded contact in anisotropic magneto-electro-elastic plates.* Mechanics of Advanced Materials and Structures, Vol.33 (1), 2670571 (2026) (Taylor & Francis, SCIE, IF = 3.6).

7. **Nguyen The Thinh, Tien Dung Nguyen, Khin La Pyae Wunn, Nguyen Dinh Duc** (2026). *Coefficient of radial consolidation (cr) of clays in the Red River Delta, Vietnam, from radial consolidation test with drainage toward a central drain.* Journal of Mechanical Science and Technology (JMST), Vol. 40 (9) (2026), 6377-6387, DOI 10.1007/s12206-026-0000-0 (Springer, SCIE, IF = 1.7).

8. **Dinh Van Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2026*). Nonliner thermal dynamic buckling of three-phase composite plate on elastic foundations.* Mechanics of Composite Materials, Vol.62(3), 2026, 591-604, DOI 10.1007/s11029-026-10384-0 (Springer, SCIE, IF =1,5).

9. **Vu Minh Anh, Dinh Van Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2026). *Stability analysis of imperfect sandwich plate with auxetic core and three-phase composite face sheets using higher order shear plate theory.* Journal of Mechanical Science and Technology (JMST), Vol. 40 (8) (2026), 5707-5716, DOI 10.1007/s12206-026-0710-2 (Springer, SCIE, IF = 1.7).

10. **Duc Dinh Nguyen, Pham Dinh Nguyen** (2026*). FSDT-PINN: A Physics-Informed Framework for Nonlinear Bending of Laminated Composite Plates on Elastic Foundations*. In the book "Stability Problems in Mechanics of Continua" in the Advanced Structured Materials series, https://www.springer.com/series/8611, Edited by Holm Altenbach, Dmitriy S. Lisovenko, Sergey A.Lurie, Alexander O.Vatulyan, Chapter 23, 421-439, 2026 (Springer), eBook ISBN: 978-3-032-31032-3. https://link.springer.com/book/10.1007/978-3-032-31032-3

11. **Minh Duc Banh, Hung The The, Duc Dinh Nguyena, Anh Dinh Le** (2026*). Effect of hybrid airfoil-based and multicurve blade on performance of Savonius VAWT under optimal and offdesign conditions*. Ocean Engineering, 355 (2026) 125149 (Elsevier, SCI, IF=5.5).

12. **Dinh Van Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2026). *Nonlinear thermal stability of imperfect piezoelectric three-phase composite plate on elastic foundation.* ZAMM - Zeitschrift fuer Angewandte Mathematik und Mechanik - Journal of Applied Mathematics and Mechanics - ZAMM, Vol. 106 (4), e70429 https://doi.org/10.1002/zamm.70429 (Wiley, SCI, IF=3.7).

13. **Thinh The Nguyen, Dung Tien Nguyen, Nguyen Dinh Duc** (2026). *Characterization of the Preconsolidation Pressure of Clays in the Red River Delta, Vietnam*. Journal of Mechanical Science and Technology (JMST), Vol. 40 (7) (2026), 4977-4986, https://doi.org/10.1007/s12206-026-0000-0 (Springer, SCIE, IF = 1.7).

14. **Dinh Van Dat, Tran Quoc Quan, Pham Van Thu, Nguyen Dinh Duc** (2026). *Vibration analysis of three-phase hybrid nanocomposite double curved shallow shell with magneto-electro-elastic face sheets*. International Journal on Interactive Design and Manufacturing (IJIDeM), Vol. 20 (2026), 3105–3137 https://doi.org/10.1007/s12008-026-02540-6 (Springer, SCIE, IF = 2.8).

15. **Van Thuong Nguyen, Van Son Pham, Nguyen Dinh Duc, Tinh Quoc Bui** (2026). *Semi-analytical method for frictional sliding contact of a piezoelectric layer-substrate.* Mechanics of Materials 213 (2026) 105572 (Elsevier, SCI, IF= 4.1).

16. **Xuan Thanh Nguyen, Van Thuong Nguyen, and Nguyen Dinh Duc** (2026). *Indentation on multilayered and functionally graded anisotropic elastic plates.* Acta Mechanica, DOI : 10.1007/s00707-026-04658-w (Springer, SCI, Nature Index, IF= 4.0).

17. **Do Thi Thu Ha, Pham Dinh Nguyen, Vu Thi Thuy Anh, Ngo Dinh Dat, Vu Minh Anh, Nguyen Dinh Duc** (2026). *Nonlinear Dynamic Response and Phase-Plane Analysis of Imperfect Functionally Graded CNT-Reinforced Magneto–Electro–Elastic Sandwich Panels under Thermo-hygro-mechanical loads*. Zeitschrift fuer Angewandte Mathematik und Mechanik - Journal of Applied Mathematics and Mechanics - ZAMM Vol.106(3), e70365, DOI: 10.1002/zamm.70365 (Wiley, SCI, IF=3.7)

18. **Dinh Van Dat, Nguyen Van Duy, Tran Quoc Quan, Nguyen Dinh Duc** (2026) *Analytical and ANN-based approaches for vibration analysis and material optimization of three-phase composite plate.* Acta Mechanica, https://doi.org/10.1007/s00707-026-04672-y (Springer, SCI, Nature Index, IF= 4.0).

19. **Nguyen Van Duy, Dinh Van Dat, Vu Van Du, Tran Quoc Quan, Nguyen Dinh Duc** (2026). *Thermal vibration analysis and material optimization of three – phase composite plate integrated with magneto – electro – elastic facesheets*. Zeitschrift fuer Angewandte Mathematik und Mechanik - Journal of Applied Mathematics and Mechanics- ZAMM, Vol.106 (3), e70357, DOI: 10.1002/zamm.70357 (Wiley, SCI, IF=3.7).

20. **Dinh Van Dat, Tran Quoc Quan, Vu Van Du, Pham Van Thu, Nguyen Dinh Duc** (2026). *Free and forced vibration analysis of particle and fiber reinforced composite double curved shallow shell integrated with magneto-electro-elastic face sheets*. Acta Mechanica, Vol. 237, 2815–2857 (2026), https://doi.org/10.1007/s00707-026-04634-4 (Springer, SCI, Nature Index, IF= 4.0).

21. **Nhi Ngoc Nguyen, Wei-Cheng Wang, Duc Dinh Nguyen, Yong Cao, Dung Viet Duong** (2026). *A numerical study on dynamic flow around two permeable elliptic and rigid circular cylinders in tandem at Reynolds number of 150.* International Journal of Heat and Fluid Flow, 117 (2026) 110048, (Elsevier, SCI, IF=3.1).

22. **Xuan Thanh Nguyen, Van Thuong Nguyen, Nguyen Dinh Duc** (2025*). Boundary-Based Finite Element Method for Anisotropic Functionally Graded Materials.* Journal of Engineering Analysis with Boundary Elements, 181 (2025), 106526 (Elsevier, SCIE, IF= 4.2).

23. **Dang Thai Son Nguyen, Pramudita Satria Palar, Lavi Rizki Zuhal, Nguyen Dinh Duc, Viet Dung Duong** (2025). *Darcy–Brinkman–Forchheimer physics-informed neural networks for inverse problems of homogeneous porous media flows*. Physics of Fluids 37, 093626 (2025) (AIP Publishing, SCI, IF= 4,1).

24. **Tran Van Ke, Phung Van Minh, Nguyen Dinh Duc** (2025). *Free and forced vibration analysis of tridirectional functionally graded porous doubly-curved nanoshell integrated with magneto-electro-elastic layers.* Computers and Structures, 318 (2025) 107964 (Elsevier, SCI, IF = 5.6).

25. **Van Luan Nguyen, Trong Khanh Huy Nguyen, Nguyen Dinh Duc, Van Thuong Nguyen** (2025). *Pin-loaded joint contact in anisotropic viscoelastic plates via a semi-analytical method.* Computers and Structures, 317 (2025) 107940 (Elsevier, SCI, IF = 5.6).

26. **Van Luan Nguyen, Van Thuong Nguyen, Nguyen Dinh Duc** (2025). *Pin-loaded hole contact in an anisotropic magnetoelectroelastic plate*. International Journal of Mechanical Sciences, 302 (2025) 110551 (Elsevier, SCI, IF=11.4).

27. **Nguyen Van Huong, Pham Hong Cong, Nguyen Dinh Duc** (2025). *Nonlinear buckling and vibration of electromagnetic sandwich plates with graphene-origami-reinforced copper matrix layers and a functionally graded porous core in thermal environment*. Aerospace Science and Technology, 166 (2025) 110596 (Elsevier, SCI, IF=6.4).

28. **Minh-Chien Trinh, Hyungmin Jun, Nguyen Dinh Duc, Seung-Eock Kim and Duc-Kien Thai** (2025). *Stochastic static behaviors and dynamic responses of penta-graphene plates.* Structural Engineering and Mechanics, Vol. 95, No. 2 (2025) 113-127 (Techno-Press, SCIE, IF=3.0).

29. **Ngo Dinh Dat, Vu Dinh Giang, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2025). *Application of machine learning in crack propagation prediction of FGM structures*.

International Journal on Interactive Design and Manufacturing (IJIDeM) (Springer, SCIE, IF = 2.8), DOI: 10.1007/s12008-025-02359-7.

30. **Ngoc Nhi Nguyen, Long Hoang Duong, Duc Nguyen Dinh, Yong Cao, and Viet Dung Duong** (2025). *A numerical study on dynamic flow around permeable semicircular cylinder at Reynolds number of 150*, Physics of Fluids, 37 (7), 073633 (2025), DOI: 10.1063/5.0278215 (AIP Publishing, SCI, IF= 4,1).

31. **Van Duc Nguyen, Ngoc Nhi Nguyen, Duc Dinh Nguyen, Viet Dung Duong** (2025). *A numerical study on bio-inspired flapping wing dynamics using 2 scalable IB-LBM and Liutex identification methods*. CEAS Aeronautical Journal, https://doi.org/10.1007/s13272-025-00860-z (Springer, IF=1.43).

32. **Vu Thi Thuy Anh, Tran Hiep Dinh, Vu Dinh Giang, Cong Hieu Le,Ngo Dinh Dat, Nguyen Dinh Duc** (2025). *Concrete Crack Simulation and Its Machine Learning Application in Propagation Prediction*. Archives of Civil and Mechanical Engineering, Vol. 25, article number 173, (2025), (Springer, SCIE, IF= 4.04).

33. **Xuan Thanh Nguyen, Van Thuong Nguyen, Nguyen Dinh Duc (2025).** *Tilted indentation by a flat-ended punch on an anisotropic magnetoelectroelastic half-plane.* European Journal of Mechanics-A/Solid, 113 (2025) 105718 (Elsevier, SCI, IF=4.87).

34. **Tran Quoc Quan, Ngo Dinh Dat, Vu Thi Thuy Anh, Do Thu Ha, Nguyen Dinh Duc** (2025). *Nonlinear buckling and post-buckling of magneto-electro-thermoelastic sandwich plate with functionally graded graphene origami–enabled auxetic metamaterial core***.** Thermal Stress, Vol.48(8),941–971(2025), https://doi.org/10.1080/01495739.2025.2497360 (Taylor & Francis, SCI, IF = 2.6).

35. **Tran Van Ke, Phung Van Minh, Do Van Thom, Nguyen Dinh Duc** (2025). *Static and dynamic analysis of doubly-curved functionally graded porous nanoshells integrated with piezoelectric surface layers and flexoelectric effect*. Computers and Structures, 312 (2025) 107737 (Elsevier, SCI, IF=5.6).

36. **Hung The Tran, Quang Dinh Nguyen, Anh Dinh Le, Duong Thai Nguyen, Chih-Yung Wu, Gopal Sharma, Duc Dinh Nguyen** (2025). *Afterbody longitudinal cavities for drag reduction and application of artificial neural network for optimization of groove geometry*. Physics of Fluid, 37, 035117 (2025), doi: 10.1063/5.0256556 (American Institute of Physics - AIP Publishing, SCI, IF= 4,1).

37. **Vu Minh Anh, Nguyen Dinh Duc** (2025). *Optimum design, nonlinear dynamic response and vibration of Graphene reinforced laminated composite with negative Poisson's ratio under dynamic load in thermal environment.* Acta Mechanica, 236, 1217-1243 (2025), https://doi.org/10.1007/s00707-025-04218-8 (Springer, SCI, Nature Index, IF= 4.0).

38. **Tran Quoc Quan, Dinh Van Dat, Nguyen Dinh Duc** (2025). *Free and forced vibration analysis of three-phase composite sandwich plate with magneto-electro-*

elastic facesheets. International Journal on Interactive Design and Manufacturing https://doi.org/10.1007/s12008-024-02219-w (IJIDeM) (Springer, SCIE, IF = 2.8).

39. **Anh Dinh Le, Viet Ha Doan, Phuong Nguyen Thi Thu, Hung The Tran, Viet Anh Truong, Minh Do Van, Duc Dinh Nguyen, Minh Do Bach** (2025). *Performance Assessment of Savonius Wind Turbine: Impact of the Cylindrical Deflectors with Natural Shapes*. Ocean Engineering, 315(2025) 119900 (Elsevier, SCI, IF=5.5).

40. **Nguyen Dinh Duc, Tran Quoc Quan** (2024). *Geometrical Optimisation of Smart Sandwich Plates Using the Bees Algorithm*, in the book "Intelligent Engineering Optimisation with the Bees Algorithm" https://link.springer.com/book/10.1007/978-3-031-64936-3, p. 91-139 (Springer, 2024).

41. **Nguyen Ngoc Vinh, Nguyen Dinh Duc** (2024). *Cyclic hardening and softening behaviors in SS400 structural steel weld joints subjected to fatigue loading*. International Journal on Interactive Design and Manufacturing (IJIDeM), https://doi.org/ 10.1007/s12008-024-02097-2 (Springer, SCIE, IF = 2.8).

42. **Nguyen Van Thuong, Nguyen Dinh Duc** (2024). *Frictional contact analysis between two-dimensional deformable anisotropic magneto-electro-elastic bodies via a semi-analytical method.* Journal of Engineering Analysis with Boundary Elements, 166(2024) 105858 (Elsevier, SCIE, IF= 4.2).

43. **Nguyen Dinh Duc, Nguyen Van Thuong** (2024). *Surface Green's functions for an anisotropic viscoelastic half-plane and their application to contact problems*. Journal of Engineering Analysis with Boundary Elements, 167(2024) 105884 (Elsevier, SCIE, IF= 4.2).

44. **Nguyen Van Cuong, Phung Van Minh, Bui Manh Cuong, Nguyen Dinh Duc** (2024), *Study on the influence of manufacturing tolerance of the spring beam on the sensitivity of the two-axis MEMS accelerometer*. International Journal on Interactive Design and Manufacturing (IJIDeM), https://doi.org/10.1007/s12008-024-02003-w (Springer, SCIE, IF = 2.8).

45. **Pham Hong Cong, Nguyen Van Huong, Truong Tich Thien, Nguyen Dinh Duc** (2024). *Nonlocal strain gradient-based geometrically nonlinear vibration analysis of double curved shallow nanoshell containing functionally graded layer*. Aerospace Science and Technology, 151(2024) 109310 (Elsevier, SCI, IF=6.4).

46. **Ngo Dinh Dat, Tran Quoc Quan, Vu Minh Anh, Phuong Tran, Nguyen Dinh Duc** (2024)**.** *Thermal forced vibration of magneto-electro-elastic sandwich plate with penta-graphene core.* Acta Mechanica, https://doi.org/10.1007/s00707-024-03935-w (Springer, SCI, Nature Index, IF= 4.0).

47. **Nguyen Tien Dung, Duy Phuong Hoang, Nguyen Dinh Duc** (2024). *Experimental and numerical studies on vertical stress induced in single head-enlarged CDM columns under static load test*. Alexandria Engineering Journal, 100 (2024), 82-91 (Elsevier, SCI, IF=6.8)

48. **Pham Dinh Nguyen, Quang-Viet Vu, George Papazafeiropoulos, Nguyen Dinh Duc** (2024). *A comprehensive investigation on optimum layer thickness and fiber orientations of laminated composite plates against buckling failure under various loading conditions.* Journal of Mechanical Science and Technology, 38(9) 2024 DOI 10.1007/s12206-024-04 -y (Springer, SCIE, IF= 1.734).

49. **Vu Thi Thuy Anh, Ngo Dinh Dat, Pham Dinh Nguyen, Nguyen Dinh Duc** (2024). *A Nonlocal Higher-Order Shear Deformation Approach for Nonlinear Static Analysis of Magneto-Electro-Elastic Sandwich Micro/Nano-plates with FG-CNT Core in Hygrothermal Environment*. Aerospace Science and Technology, 147(2024) 109069 (Elsevier, SCI, IF=5.6).

50. **Nguyen Thi Hai Van, Phung Van Minh, Nguyen Dinh Duc** (2024). *Finite element modeling for static bending and free vibration analyses of double-layer non-uniform thickness FG plates taking into account sliding interactions.* Archives of Civil and Mechanical Engineering, DOI: 10.1007/s43452-024-00914-9**,** (Springer, SCIE, IF= 4.04).

51. **Morteza Kolooli Mogehi, Mehdi Mohammadimehr, Nguyen Dình Duc** (2024). *Vibration analysis of a sandwich Timoshenko beam reinforced by GOAM/ CNT with various boundary conditions using VIM*. Materials Science and Engineering B, 304 (2024) 117364 (Elsevier, SCI, IF=3.6).

52. **Nguyen Van Thuong, Nguyen Dinh Khoa, Tuan Ngo, Nguyen Dinh Duc** (2024). *Analytical investigation of in-plane and out-of-plane elastic properties of bone-inspired cellular structures.* Aerospace Science and Technology, 147 (2024) 109012 (Elsevier, SCI, IF=6.4).

53. **Nguyen Van Huong, Pham Hong Cong, Nguyen Dinh Duc** (2024). *Nonlinear vibration analysis of double curved shallow sandwich shell in which the core made of three-phase nanocomposite and the two-outer layer of electromagnetic materials.* Thin Walled Structures, 196 (2024) 111501 (Elsivier, SCIE, IF = 8.3).

54. **Tran Quoc Quan, Ngo Dinh Dat, Nguyen Dinh Duc** (2024). *Vibration analysis of magneto-electro-elastic sandwich plate with auxetic graphene reinforced metal matrix composite core*. J Vibration and Control, DOI: 10.1177/10775463231222581, (SAGE, SCIE, IF = 2.633).

55. **Tran Quoc Quan, Vu Minh Anh, Nguyen Dinh Duc** (2024). *Natural frequency analysis of sandwich plate with auxetic honeycomb core and CNTRC face sheets using analytical approach and artificial neural network.* J Aerospace Science and Technology, 144 (2024) 108806 (Elsevier, SCI, IF=6.4).

56. **Pham Dinh Nguyen, Nguyen Dinh Duc** (2024). *A semi-analytical sinusoidal shear deformation theory for nonlinear dynamic response and vibration of CNT-FGM doubly curved shallow shells.* Acta Mechanica, DOI: 10.1007/s00707-023-03824-8 (Springer, SCI, Nature Index, IF= 4.0).

57. **Le-Hung Tran, Tien Hoang, Gilles Foret, Denis Duhamel, Dinh-Duc Nguyen** (2023). *Calculation of dynamic responses of railway sleepers on a nonlinear foundation.* Nonlinear Dynamic, DOI: 10.1007/s11071-023-09070-w (Springer, SCI, IF = 5.6).

58. **Tran Hiep Dinh, Vu Thi Thuy Anh, Truong Giang Nguyen, Cong Hieu Le, Nguyen Linh Trung, Nguyen Dinh Duc, Chin-Teng Lin** (2023). *Towards Vision-based Concrete Crack Detection: Automatic Simulation of Real-world Cracks.* IEEE Transactions on Instrumentation & Measurement, Vol. 72 (2023), 1-15, DOI: 10.1109/TIM.2023.3328076 (IEEE, SCIE, IF=5.6).

59. **Duc Tho Le, Lawrence H. Le, Hoai Nguyen, Emmanuel L. C. VI M. Plan, Hoai-Nam Tran, Dinh Duc Nguyen, Hai Dang Phan** (2023). *Reciprocity-based closed-form solutions to guided waves in multilayered structures subjected to time-harmonic excitations.* J. European Journal of Mechanics - A/Solids, 102 (2023) 105083 (Elsevier, SCI, IF = 4.873).

60. **Pham Minh Vuong, Nguyen Dinh Duc** (2023). *"Vibration analysis of variable thickness functionally graded toroidal shell segments"*. Archives of Civil and Mechanical Engineering, https://doi.org/10.1007/s43452-023-00743-2 (Springer, SCIE, IF= 4.04).

61. **Phuc Minh Pham, Duc Nguyen Dinh** (2023). *Free Vibration of Cracked MEE FG Plates Resting on Elastic Foundations Using Phase Field Simulation.* Journal of Engineering Mechanics, https://doi.org/10.1061/JENMDT.EMENG-7088 (ASCE, SCIE, IF= 3.125).

62. **Nguyen Dinh Duc, Kamran Foroutan, Seyyed Mojtaba Varedi-Koulaei, Habib Ahmadi** (2023). *Nonlinear vibration analysis of laminated composite cylindrical shell under external loading utilizing meta-heuristic optimization algorithms.* Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, https://doi.org/10.1007/s40997-023-00685-3 (Springer, SCIE, IF = 1.53).

63. **Ngo Dinh Dat, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2023). *Vibration characteristics and shape optimization of FG-GPLRC cylindrical shell with Magneto-Electro-Elastic face-sheets.* Acta Mechanica, https://doi.org/10.1007/s00707-023-03620-4 (Springer, Nature Index, SCI, IF = 4.0).

64. **Tran Quoc Quan, Ngo Dinh Dat, Nguyen Dinh Duc** (2023). *Static buckling, vibration analysis and optimization of nanocomposite multilayer perovskite solar cell.* Acta Mechanica, Vol. 234 (2023), 3893–3915, https://doi.org/10.1007/s00707-023-03588-1 (Springer, Nature Index, SCI, IF = 4.0).

65. **Vu Thi Thuy Anh, Nguyen Dinh Khoa, Tuan Ngo, Nguyen Dinh Duc** (2023). *Vibration of hybrid eccentrically stiffened sandwich auxetic double curved shallow shells in thermal environment.* J Aerospace Science and Technology, 137 (2023) 108277 (Elsevier, SCI, IF=6.4).

66. **Minh Banh Duc, Hung Tran The, Nguyen Dinh Duc, Trinh Chu Duc & Anh Dinh Le** (2023). *Performance enhancement of savonius wind turbine by multicurve blade shape*. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (Taylor & Francis, SCIE, IF=3.477).

67. **Farzad Ebrahimi, Reza Nopour, Ali Dabbagh and Nguyen Dinh Duc** (2023). *Vibration of three-phase hybrid viscoelastic nanocomposites beams.* Journal of Mechanical Science and Technology 37 (5) 2023 (Springer, SCIE, IF= 1.734).

68. **Vu Minh Anh, Tran Quoc Quan, Ngo Dinh Dat, Nguyen Dinh Duc** (2023) *Nonlinear static stability and optimal design of nanocomposite multilayer organic solar cells in thermal environment.* Int J of Mechanics and Materials in Design, Vol. 19, 431–450 (2023), https://doi.org/10.1007/s10999-022-09636-3 (Springer, SCIE, IF =4.7).

69. **Pham Hong Cong, Nguyen Dinh Duc** (2023). *Effect of nonlocal parameters and Kerr foundation on nonlinear static and dynamic stability of micro/nano plate withgraphene platelet reinforcement.* Thin-Walled Structures, 182 (2023) 110146 (Elsevier, SCIE, IF =8.3).

70. **Ngoc-Vinh Nguyen, Nguyen Dinh Duc, Nguyen Vu-Luat, Thai-Hoan Pham** (2022). *Experimental study on microstructural evolution and dynamic properties of a Low-carbon steel.* International Journal of GEOMATE, 2022, Vol.23 (98), pp.66-74 (TSU – Japan, ESCI-ISI).

71. **Nguyen Dinh Duc, Ngo Dinh Dat, Vu Thi Thuy Anh, Vu Dinh Giang, Pham Ngoc Thinh** (2022). *Effects of the Magneto-Electro-Elastic layer on the CNTRC cylindrical shell.* Archive of Applied Mechanics, Vol. 93(2022), 997-1021, https://link.springer.com/article/10.1007/s00419-022-02310-2. (Springer, SCIE, IF=2,467)

72. **Tien Thanh Pham, Minh Tuan Nguyen, Hoang Giang Nguyen, Thi An Hang Nguyen, Danh Bich Do, Duc Cuong Nguyen, Daisuke Tanaka, Dinh Duc Nguyen** (2022). *Fe(III)-Natural Polyphenols Bilayer Coatings on Fingered Citron as a Novel Photothermal Material for Sustainable Seawater Desalination.* Desalination, 537 (2022) 115873 (Elsevier, SCI, IF=11.3).

73. **Nguyen Van Quyen, Nguyen Dinh Duc** (2022). *Vibration and nonlinear dynamic response of nanocomposite multi-layer solar panel resting on elastic foundations*. Thin Walled Structures 177 (2022) 109412 (Elsevier, SCIE, IF =8.3).

74. **Do Quang Chan, Tran Quoc Quan, Bui Gia Phi, Dang Van Hieu, Nguyen Dinh Duc** (2022). *Buckling analysis and dynamic response of FGM sandwich cylindrical panels in thermal environments using nonlocal strain gradient theory*. Acta Mechanica, https://doi.org/10.1007/s00707-022-03212-8 (Springer, Nature Index, SCI, IF = 4.0).

75. **Ehsan Arshid, Zeinab Soleimani-Javid, Saeed Amir, Nguyen Dinh Duc (2022).** *Higher-Order Hygro-Magneto-Electro-Thermomechanical Analysis of FG-GNPs-*

Reinforced Composite Cylindrical Shells Embedded in PEM Layers. J Aerospace Science and Technology, 126 (2022) 107573 (Elsevier, SCI, IF=6.4).

76. **Pham Dinh Nguyen, George Papazafeiropoulos, Quang-Viet Vu, Nguyen Dinh Duc (2022).** *Buckling response of laminated FG-CNT reinforced composite plates: analytical and finite element approach***.** Aerospace Science and Technology, 121 (2022) 107368 (Elsevier, SCI, IF=6.4).

77. **Nguyen Dinh Duc, Duong Tuan Manh, Nguyen Dinh Khoa, Pham Dinh Nguyen** (2022). *Mechanical stability of sandwich eccentrically stiffened auxetic truncated conical shells surrounded on elastic foundations.* Vol. 58 (3), 2022, pp. 365-382, Mechanics of Composite Materials (Springer, SCIE, IF=1.52).

78. **Quang Vu Dinh, Quang-Van Doan, Thanh Ngo-Duc, Van Nguyen Dinh, Nguyen Dinh Duc** (2022). *Offshore wind resource in the context of global climate change over a tropical area.* Applied Energy, 308 (2022) 118369 (Elsevier, SCI, IF = 12.2).

79. **Du Dinh Nguyen, Minh Ngoc Nguyen, Nguyen Dinh Duc, Tinh Quoc Bui** (2022),_ *Modeling the transient dynamic fracture and quasi-static crack growth in cracked functionally graded composites by the extended four-node gradient finite elements.* Composite Structures, 284 (2022) 115056 (Elsevier, SCIE, IF = 7.8).

80. **Nguyen Dinh Duc, Pham Minh Vuong** (2022). *Nonlinear vibration response of shear deformable FGM sandwich toroidal shell segments.* Meccanica, Vol. 57 (2022), 1083–1103, https://doi.org/10.1007/s11012-021-01470-9 (Springer, SCIE, IF=2.258).

81. **Thom Van Do, Duc Hong Doan, Nguyen Chi Tho, Nguyen Dinh Duc (**2022). *Thermal buckling analysis of cracked functionally graded plates.* International Journal of Structural Stability and Dynamics, 22 (8) (2022) 2250089 (World Scientific, SCIE, IF=2.58).

82. **Pham Hong Cong, Vu Dinh Trung, Nguyen Dinh Khoa, Nguyen Dinh Duc** (2022). *Vibration and nonlinear dynamic response of temperature-dependent FG-CNTRC laminated double curved shallow shell with positive and negative Poisson's ratio*. Thin Walled Structures, 171(2022)108713 (Elsevier, SCIE, IF=8.3).

83. **Ngo Dinh Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2022). *Vibration analysis of auxetic laminated plate with magneto-electro-elastic face sheets subjected to blast loading.* Composite Structures, 280 (2022) 114925 (Elsevier, SCIE, IF=7.8).

84. **Tran Quoc Quan, Do Thi Thu Ha, Nguyen Dinh Duc** (2022). *Analytical solutions for nonlinear vibration of porous functionally graded sandwich plate subjected to blast loading*. Thin Walled Structures 170 (2022) 108606 (Elsevier, SCIE, IF = 8.3).

85. **Kamran Foroutan, Seyyed Mojtaba Varedi-Koulaei, Nguyen Dinh Duc, Habib Ahmadi** (2022). *Non-linear static and dynamic buckling analysis of laminated composite cylindrical shell embedded in non-linear elastic foundation using the swarm-based metaheuristic algorithms***.** J. European Journal of Mechanics - A/Solids, 91(2022) 104420 (Elsevier, SCI, IF = 4.873).

86. **Pham Hong Cong, Nguyen Dinh Duc** (2022). *Nonlinear thermo-mechanical analysis of ES double curved shallow auxetic honeycomb sandwich shells with temperature-dependent properties*. Composite Structures, 279(2022)114739 (Elsevier, SCIE, IF= 7.8).

87. **Ngo Dinh Dat, Nguyen Van Thanh, Vu Minh Anh, Nguyen Dinh Duc** (2022). *Vibration and nonlinear dynamic analysis of sandwich FG-CNTRC plate with porous core layer.* J Mechanics of Advanced Materials and Structures, 2022, 29 (10), pp 1431-1448 (Taylor & Francis, SCI, IF=3.052).

88. **Tran Quoc Quan, Vu Minh Anh, Vinyas Mahesh, Nguyen Dinh Duc** (2022). *Vibration and nonlinear dynamic response of imperfect sandwich piezoelectric auxetic plate*. J Mechanics of Advanced Materials and Structures, 2022, 29 (1), pp.127-137 (Taylor & Francis, SCI, IF=3.052).

89. **Vu Minh Anh, Duong Tuan Manh, Kim Seung-Eock, Nguyen Dinh Duc** (2021). *The Nonlinear Dynamic Response And Vibration Of Organic Solar Plate In Thermal Environment.* Thin-Walled Structures, 169(2021)108454 (Elsevier, SCIE, IF=8.3).

90. **Ngo Dinh Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2021)**.** *Nonlinear thermal dynamic buckling and global optimization of smart sandwich plate with porous homogeneous core and carbon nanotube reinforced nanocomposite layers*. J. European Journal of Mechanics - A/Solids, 90 (2021) 104351 (Elsevier, SCI, IF = 4.873).

91. **Vu Thi Thuy Anh, Vu Thi Huong, Pham Dinh Nguyen, Nguyen Dinh Duc** (2021). *Nonlinear dynamic analysis of porous graphene platelet-reinforced composite sandwich shallow spherical shells.* Mechanics of Composite Materials, Vol. 57 (5), pp. 609-622 (Springer, SCIE, IF=1.52).

92. **Vu Dinh Quang, Nguyen Dinh Khoa, Nguyen Dinh Duc** (2021). *The effect of structural characteristics and external conditions on the dynamic behavior of shear deformable FGM porous plates in thermal environment.* Journal of Mechanical Science and Technology, 35(8) 2021, DOI 10.1007/s12206-021-0706-x (Springer, SCIE, IF = 1.734)

93. **Nguyen Dinh Duc, Seung-Eock Kim, Nguyen Dinh Khoa, Do Quang Chan** (2021). *Nonlinear buckling and post-buckling analysis of shear deformable stiffened truncated conical sandwich shells with FG face sheets and a FG porous core*. Journal Sandwich Structures and Materials, Vol 23(7), 2021, pp.2700-2735, http://dx.doi.org/10.1177/1099636220906821 (SAGE, SCIE, IF =5.616).

94. **Pham Hong Cong, Nguyen Dinh Duc** (2021). *Nonlinear dynamic analysis of porous eccentrically stiffened double curved shallow auxetic shells in thermal environments.* Thin-Walled Structures, 163 (2021) 107748 (SCIE, Elsevier, IF=8.3).

95. **Thi Thu Ha Nguyen, Hiep-Hung Pham, Quan-Hoang Vuong, Quoc-Thai Cao, Viet-Hung Dinh, Dinh Duc Nguyen** (2021). *The adoption of international publishing within Vietnamese academia from 1986 to 2020: A review*. Learned Publishing, Vol. 34 (2), pp. 175-186, (Wiley, SSCI, IF=2.93).

96. **Nguyen Dinh Duc, Pham Minh Phuc** (2021). *Free vibration analysis of cracked FG CNTRC plates using phase field theory.* Aerospace Science and Technology, 112 (2021) 106654 (Elsevier, SCI, Q1, IF=6.4).

97. **Nguyen Van Quyen, Nguyen Van Thanh, Tran Quoc Quan, Nguyen Dinh Duc** (2021). *Nonlinear forced vibration of sandwich cylindrical panel with negative Poisson's ratio auxetic honeycombs core and CNTRC face sheets.* Thin Walled Structures, 162 (2021) 107571 (SCIE, Elsevier, IF=8.3).

98. **Pham Hong Cong, Phi Kien Quyet, Nguyen Dinh Duc** (2021). *Effects of lattice stiffeners and blast load on nonlinear dynamic response and vibration of auxetic honeycomb plates*. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 235 (23), pp.7192-7211 (SAGE, SCI, IF=1.762), http://dx.doi.org/10.1177/0954406221992797.

99. **Phuc Pham Minh, Duong Tuan Manh, Nguyen Dinh Duc** (2021). *Free vibration of cracked FGM plates with variable thickness resting on elastic foundations.* Thin Walled Structures, 161(2021)107425, https://doi.org/10.1016/j.tws.2020.107425 (Elsevier, SCIE, IF=8.3).

100. **Du Dinh Nguyen, Minh Ngoc Nguyen, Nguyen Dinh Duc, Jaroon Rungamornrat, Tinh Quoc Bui** (2021). *Enhanced nodal gradient finite elements with new numerical integration schemes for 2D and 3D geometrically nonlinear analysis*. Applied Mathematical Modelling Vol. 93 (2021), 326-359, https://doi.org/10.1016/j.apm.2020.11.040 (Elsevier, SCI, IF =5.336).

101. **Pham Minh Phuc, Nguyen Dinh Duc** (2021). *The effect of cracks and thermal environment on free vibration of FGM plates.* https://doi.org/10.1016/j.tws.2020.107291, Thin Walled Structures, 159 (2021)107291 (Elsevier, SCIE, IF=8.3).

102. **Habib Ahmadi, Aliakbar Bayat, Nguyen Dinh Duc** (2021). *Nonlinear forced vibrations analysis of imperfect stiffened FG doubly curved shallow shell resting on elastic foundation in thermal environment using multiple scales method*. Composite Structures 256 (2021) 113090 (Elsevier, SCIE, IF=7.8).

103. **Vu Thi Thuy Anh, Vu Dinh Quang, Nguyen Dinh Duc, Pham Ngoc Thinh** (2021). *Impact of blast and mechanical loads on the shear deformable stiffened sandwich plate with an auxetic core layer in thermal environment*. https://journals.sagepub.com/doi/10.1177/10996362211021912, Journal Sandwich Structures and Materials (SAGE, SCIE, IF = 5.616).

104. **Tran Quoc Quan, Nguyen Van Quyen, Nguyen Dinh Duc** (2021). *An analytical approach for nonlinear thermo-electro-elastic forced vibration of piezoelectric penta – graphene plates.* J. European Journal of Mechanics - A/Solids, 85 (2021) 104095 (Elsevier, SCI, IF = 4.873).

105. **Nguyen Dinh Duc, Seung-Eock Kim, Vu Thi ThuyAnh, Vu Minh Anh** (2021). *Vibration and nonlinear dynamic analysis of variable thickness sandwich laminated composite panel in thermal environment*. Journal Sandwich Structures and Materials, 23(5) 2021, pp. 1541-1570 (SAGE, SCIE, IF=5.616).
106. **Pham Minh Vuong, Nguyen Dinh Duc** (2020). *Nonlinear buckling and post-buckling behavior of shear deformable sandwich toroidal shell segments with functionally graded core subjected to axial compression and thermal loads.* Aerospace Science and Technology 106 (2020) 106084, https://doi.org/10.1016/j.ast.2020.106084, (Elsevier, SCI, IF=6.4).
107. **Le Kha Hoa, Pham Van Vinh, Nguyen Dinh Duc, Nguyen Thoi Trung, Le Truong Son, Do Van Thom** (2020). *Bending and free vibration analyses of FGM nanoplates via a novel nonlocal single variable shear deformation plate theory*. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, (SAGE, SCI, IF=1.762), https://doi.org/10.1177%2F0954406220964522.
108. **Pham Minh Vuong, Nguyen Dinh Duc** (2020). *Nonlinear Static and Dynamic Stability of Functionally Graded Toroidal Shell Segments Under Axial Compression.* Thin-Walled Stuctures, 155 (2020) 106973, https://doi.org/10.1016/j.tws.2020.106973, (Elsevier, SCIE, IF=8.3).
109. **Ngo Dinh Dat, Tran Quoc Quan, Phuong Tran, Pham Tien Lam, Nguyen Dinh Duc** (2020). *A first-principle study of nonlinear large amplitude vibration and global optimization of 3D penta-graphene plates based on the Bees Algorithm.* Acta Mechanics, Vol. 231, pp.3799-3823, https://doi.org/10.1007/s00707-020-02706-7 (Springer, Nature Index, SCI, IF= 4.0).
110. **Ngo Dinh Dat, Tran Quoc Quan, Vinyas Mahesh, Nguyen Dinh Duc** (2020). *Analytical solutions for nonlinear magneto-electro-elastic vibration of smart sandwich plate with carbon nanotube reinforced nanocomposite core in hygrothermal environment*. International Journal of Mechanical Sciences, 186 (2020) 105906 (Elsevier, SCI, IF=11.4).
111. **Do Quang Chan, Nguyen Van Thanh, Nguyen Dinh Khoa, Nguyen Dinh Duc** (2020). *Nonlinear dynamic analysis of piezoelectric functionally graded porous truncated conical panel in thermal environments.* Thin Walled Structures, 154 (2020) 106837 (Elsevier, SCIE, IF=8.3).
112. **Vu Dinh Quang, Van Quang Doan, Van Nguyen Dinh, Nguyen Dinh Duc** (2020). *Evaluation of resource spatial-temporal variation, dataset validity, infrastructures and zones for Vietnam offshore wind energy.* Vietnam Journal of Sciences, Technology and Engineering (Serie C), Vol. 62(1), pp.03-16.
113. **Ngo Dinh Dat, Vu Minh Anh, Tran Quoc Quan, Duc Truong Pham , Nguyen Dinh Duc** (2020). *Nonlinear stability and optimization of thin nanocomposite multilayer organic solar cell using Bees Algorithm.* Thin Walled Structures, 149 (2020) 106520, DOI: 10.1016/j.tws.2019.106520 (Elsevier, SCIE, IF=8.3).

114. **Nguyen Dinh Duc, Ngo Duc Tuan, Pham Hong Cong, Ngo Dinh Dat, Nguyen Dinh Khoa** (2020). *Geometrically nonlinear dynamic response and vibration of shear deformable eccentrically stiffened FGM cylindrical panels subjected to thermal, mechanical and blast loads*. J. Sandwich Structures and Materials, Vol. 22(3), pp. 658–688 (SAGE, SCIE, IF=5.616).

115. **Nguyen Dinh Duc, Seung-Eock Kim, Tran Quoc Quan, Duong Tuan Manh, Nguyen Huy Cuong** (2020). *Nonlinear buckling of eccentrically stiffened nanocomposite cylindrical panels in thermal environments.* Thin Walled Structures, 146 (2020) 106438 (Elsevier, SCIE, IF=8.3).

116. **Nguyen Dinh Duc, Vu Hoai Nam, Nguyen Huy Cuong** (2020). *Nonlinear post-buckling of eccentrically oblique stiffened functionally graded doubly curved shallow shells based on improved Donnell equations.* Mechanics of Composite Materials, Vol. 55(6), pp. 727-742 (Springer, SCIE, IF=1.52).

117. **Dương Tuan Manh, Vu Thi Thuy Anh, Pham Dinh Nguyen, Nguyen Dinh Duc** (2020). *Nonlinear post-buckling of CNTs reinforced sandwich-structured composite annular spherical shells*. International Journal of Structural Stability and Dynamics, Vol. 20 (2), 2050018 (2020), https://dx.doi.org/10.1142/S0219455420500182 (World Scientific, SCIE, IF=2.58).

118. **Nguyen Dinh Duc, Pham Tien Lam, Tran Quoc Quan, Pham Minh Quang, Nguyen Van Quyen** (2020). *Nonlinear post-buckling and vibration of 2D penta-graphene composite plates*. Acta Mechanica, Vol. 231, pp. 539-559 (Springer, Nature Index, SCI, IF = 4.0).

119. **Pham Minh Vuong, Nguyen Dinh Duc** (2020). *Nonlinear vibration of FGM moderately thick toroidal shell segment within the framework of Reddy's third order-shear deformation shell theory*. International Journal of Mechanics & Materials in Design (MAMD), Vol. 16, pp. 245-264, https://doi.org/10.1007/s10999-019-09473-x (Springer, SCIE, IF=4.7).

120. **Nguyen Dinh Duc, Seung-Eock Kim, Duong Tuan Manh, Pham Dinh Nguyen** (2020). *Effect of eccentrically oblique stiffeners and temperature on the nonlinear static and dynamic response of S-FGM cylindrical panels.* Thin Walled Structures, 146 (2020) 106438 (Elsevier, SCIE, IF=8.3).

121. **Nguyen Dinh Duc, Ngo Duc Tuan, Phuong Tran, Tran Quoc Quan, Nguyen Van Thanh** (2019). *Nonlinear dynamic response and vibration of imperfect eccentrically stiffened sandwich third-order shear deformable FGM cylindrical panels in thermal environments*. Journal of Sandwich Structures and Materials, Vol. 21(8), pp.2816-2845 (SAGE, SCIE, IF=5.616).

122. **Phuc Pham Minh, Nguyen Dinh Duc** (2019). *The effect of cracks on the stability of the functionally graded plates with variable-thickness using HSDT and phase-field theory*, J. Composites Part B: Engineering 175 (2019) 107086 (Elsevier, SCI, IF=14.2).

123. **Pham Dinh Nguyen, Vu Dinh Quang, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2019). *Nonlinear vibration of carbon nanotube reinforced composite truncated conical shells in thermal environment.* International Journal of Structural Stability and Dynamics, http://dx.doi.org/10.1142/S021945541950158X (World Scientific, SCIE, IF=2.58).

124. **Ngo Dinh Dat, Nguyen Dinh Khoa, Pham Dinh Nguyen, Nguyen Dinh Duc** (2019). *An analytical solution for nonlinear dynamic response and vibration of FG-CNT reinforced nanocomposite elliptical cylindrical shells resting on elastic foundations.* ZAMM - Zeitschrift fuer Angewandte Mathematik und Mechanik, DOI: 10.1002/zamm.201800238, (WILEY, SCI , IF= 3.7).

125. **Nguyen Dinh Khoa, Hoang Thi Thiem, Nguyen Dinh Duc** (2019). *Nonlinear buckling and postbuckling of imperfect piezoelectric S-FGM circular cylindrical shells with metal-ceramic-metal layers in thermal environment using Reddy's third-order shear deformation shell theory.* J. Mechanics of Advanced Materials and Structures, Vol. 26(3), pp.248-259 (Taylor & Francis, SCIE, IF=3.052).

126. **Do Quang Chan, Tran Quoc Quan, Seung-Eock Kim, Nguyen Dinh Duc** (2019). *Nonlinear dynamic response and vibration of shear deformable piezoelectric functionally graded truncated conical panel in thermal environments.* J. European Journal of Mechanics - A/Solids, Vol. 77, 103795: https://doi.org/10.1016/j.euromechsol.2019.103795 (Elsevier, SCI, IF = 4.873).

127. **Vinyas M., Sundar S., Nguyen-Thoi.T**, **Ebrahimi. F., Duc ND** (2019). *A finite element based assessment of free vibration behaviour of circular and annular magneto-electro-elastic plates using higher order shear deformation theory.* Journal of Intelligent Material Systems and Structures. (SAGE, SCIE, IF=2.582), https://doi.org/10.1177/1045389X19862386.

128. **Seung-Eock Kim, Nguyen Dinh Duc, Vu Hoai Nam, Nguyen Van Sy** (2019). *Nonlinear vibration and dynamic buckling of eccentrically oblique stiffened FGM plates resting on elastic foundations in thermal environment*, Thin Walled Structures, Vol. 142, pp.287-296 (Elsevier, SCIE, IF=8.3).

129. **Van Q. Doan, Van Nguyen Dinh, Hiroyuki Kusaka, Thanh Cong, Ansar Khan, Toan Van Du, and Nguyen Dinh Duc** (2019). *Usability and Challenges of Offshore Wind Energy in Vietnam. Revealed by the Regional Climate Model Simulation.* SOLA, Vol, 15, pp. 113−118 (Published by the Meteorological Society of Japan, SCIE, IF = 1.632).

130. **Ngo Dinh Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2019). *Nonlinear thermal vibration of carbon nanotube polymer composite elliptical cylindrical shells.* J. International Journal of Mechanics and Materials in Design , DOI 10.1007/s10999-019-09464-y (Springer, SCIE, IF=3.143).

131. **Tran Quoc Quan, Nguyen Huy Cuong, Nguyen Dinh Duc** (2019). *Nonlinear buckling and post-buckling of eccentrically oblique stiffened sandwich functionally graded double*

curved shallow shells. J Aerospace Science and Technology, Vol.90, pp.169-180 (Elsevier, SCI, IF=6.4).

132. **Nguyen Dinh Khoa, Vu Minh Anh, Nguyen Dinh Duc** (2019). *Nonlinear dynamic response and vibration of functionally graded nanocomposite cylindrical panel reinforced by carbon nanotubes in thermal environment*. Journal of Sandwich Structures and Materials, DOI: 10.1177/1099636219847191 (SAGE, SCIE, IF=5.616).

133. **Do Quang Chan, Pham Dinh Nguyen, Vu Dinh Quang, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2019). *Nonlinear buckling and post-buckling of functionally graded carbon nanotubes reinforced composite truncated conical shells subjected to axial load.* Steel and Composite Structures, An International Journal, 31 (3), pp.243-259 *(*Techno-Press, Scopus Journal, IF=3.594)

134. **Nguyen Dinh Duc, Homayoun Hadavinia, Tran Quoc Quan, Nguyen Dinh Khoa** (2019). *Free vibration and nonlinear dynamic response of imperfect nanocomposite FG-CNTRC double curved shallow shells in thermal environment.* European Journal of Mechanics - A/Solids, Vol.75, pp.355-366 (Elsevier, SCI, IF = 4.873).

135. **Minh-Chien Trinh, Dinh-Duc Nguyen, Seung-Eock Kim** (2019). *Effects of porosity and thermomechanical loading on free vibration and nonlinear dynamic response of functionally graded sandwich shells with double curvature.* J Aerospace Science and Technology, Vol. 87, pp.119-132 (Elsevier, SCI, IF=6.4).

136. **Vinyas M, Nischith G, Loja M.A.R, Ebrahimi F**, **Nguyen Dinh Duc** (2019). *Numerical analysis of the vibration response of skew magneto-electro-elastic plates based on the higher-order shear deformation theory*. Composite Structures, Vol. 214, pp.132-142 (Elsevier, SCIE, IF =7.8).

137. **Do Quang Chan, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2019). *Vibration and nonlinear dynamic response of eccentrically stiffened functionally graded composite truncated conical shells in thermal environments.* Acta Mechanics, Vol. 230, pp.157-178, (Springer, Nature Index, SCI, IF = 4.0).

138. **Pham Hong Cong, Pham Thanh Long, Nguyen Van Nhat, Nguyen Dinh Duc** (2019). *Geometrically nonlinear dynamic response of eccentrically stiffened circular cylindrical shells with negative Poisson's ratio in auxetic honeycombs core layer*. International journal of Mechanical Sciences, Vol. 152, pp.443-453 (Elsevier, SCI, IF = 11.4).

139. **Thanh Trung Tran, Nam Hoang Nguyen, Thom Van Do, Phung Van Minh, Nguyen Dinh Duc** (2019). *Bending and thermal buckling of unsymmetric functionally graded sandwich beams in high temperature environment based on a new third order shear deformation theory*. Journal of Sandwich Structures and Materials, DOI:10.1177/1099636219849268 (SAGE, SCIE, IF=5.616).

140. **Vuong M. Pham, Nguyen Dinh Duc** (2019). *Nonlinear buckling and post-buckling of FGM toroidal shell segment under torsional load in thermal environment within Reddy's*

third-order shear deformation shell theory. J Mechanics of Composite Materials, Vol. 55(4), pp.467-482 (NXB Springer, SCIE, IF=1.52).

141. **Do Quang Chan, Vu Do Long and Nguyen Dinh Duc** (2019). *Nonlinear buckling and post-buckling of FGM shear deformable truncated conical shells reinforced by FGM stiffeners.* J. Mechanics of Composite Materials, Vol. 54 (6), pp.754-764 (Springer, SCIE, IF=1.52).

142. **Nguyen Van Thanh, Vu Dinh Quang, Nguyen Dinh Khoa, Kim Seung-Eock , Nguyen Dinh Duc** (2019). *Nonlinear dynamic response and vibration of FG CNTRC shear deformable circular cylindrical shell with temperature dependent material properties and surrounded on elastic foundations.* Journal of Sandwich Structures and Materials , Vol. 21(7) 2456–2483 (SAGE, SCIE, IF=5.616).

143. **Van Q. Doan, Hiroyuki Kusaka , Toan V. Du , Duc D. Nguyen, and Thanh Cong** (2018). *Numerical Approach for Studying Offshore Wind Power Potential Along the Southern Coast of Vietnam*. Proceedings of the 1st Vietnam Symposium on Advances in Offshore Engineering, **VSOE 2018,** https://link.springer.com/chapter/10.1007/978-981-13-2306-5_33, pp.245-249 (NXB Springer).

144. **Nguyen Dinh Duc, Pham Dinh Nguyen, Nguyen Huy Cuong, Nguyen Van Sy, Nguyen Dinh Khoa** (2018). *An analytical approach on nonlinear mechanical and thermal post-buckling of nanocomposite double-curved shallow shells reinforced by carbon nanotubes.* Journal of Mechanical Engineering Science, Vol. 233(11), pp. 3888-3903, https://doi.org/10.1177/0954406218802921 (SAGE, SCI, IF=1.6).

145. **Duc Nguyen Dinh, Pham Hong Cong** (2018). *Nonlinear dynamic response and vibration of sandwich composite plates with negative Poisson's ratio in auxetic honeycombs*. Journal of Sandwich Structures and Materials, Vol. 20 (6), pp.692-717 (SAGE, SCIE, IF=5.616).

146. **Nguyen Dinh Duc, Doan Hong Duc, Do Van Thom, Trinh Duc Truong** (2018). *A static buckling investigation of multi-cracked FGM plate based phase-field method coupling the new TSDT*. Acta Mechanica, (Springer, Nature Index, SCI, IF = 4.0), https://doi.org/10.1007/s00707-018-2256-6.

147. **Hoa Trong Hoang, Pham The Dung, Nguyen Dinh Duc** (2018). *Innovation practices at Vietnamese manufactures: the impacts of innovation on profitability and growth*. Economic Bulletin, Vol. 38 (3), pp. 1457-1466 (Springer, ISI, IF =1.05).

148. **Pham Minh Vuong, Nguyen Dinh Duc** (2018). *Nonlinear response and buckling analysis of eccentrically stiffened FGM toroidal shell segments in thermal environment.* Journal Aerospace Science and Technology, Vol. 79, pp. 383-398 (Elsevier, SCI, IF=6.4).

149. **Pham Hong Cong, Nguyen Dinh Duc** (2018). *New approach to investigate nonlinear dynamic response and vibration of functionally graded multilayer graphene nanocomposite plate on viscoelastic Pasternak medium in thermal environment.* J Acta

Mechanica, Vol.229, pp 3651-3670, https://doi.org/10.1007/s00707-018-2178-3, (Springer, Nature Index, SCI, IF=4.0).

150. **Nguyen Dinh Duc, Nguyen Dinh Khoa, Hoang Thi Thiem** (2018). *Nonlinear thermo-mechanical response of eccentrically stiffened Sigmoid FGM circular cylindrical shells subjected to compressive and uniform radial loads using the Reddy's third-order shear deformation shell theory*. J. Mechanics of Advanced Materials and Structures, Vol 25(13), pp.1157-1167, http://dx.doi.org/10.1080/15376494.2017.1341581 (Taylor & Francis, SCIE, IF=3.052).

151. **Phuc Pham Minh, Thom Van Do, Doan Hong Duc, Nguyen Dinh Duc** (2018). *The stability of cracked rectangular plate with variable thickness using phase field method.* Thin Walled Structures, Vol. 129, pp.157-165 (Elsevier, SCIE, IF =8.3).

152. **Pham Hong Cong, Trinh Minh Chien, Nguyen Dinh Khoa, Nguyen Dinh Duc** (2018). *Nonlinear thermo-mechanical buckling and post-buckling response of porous FGM plates using Reddy's HSDT***.** Journal Aerospace Science and Technology, Vol. 77, pp.419-428 (Elsevier, SCI, IF=6.4).

153. **Duc Hong Doan, Thom Van Do, Phuc Minh Pham, Nguyen Dinh Duc** (2019). *Validation simulation for free vibration and buckling of cracked Mindlin plates using phase-field method".* J. Mechanics of Advanced Materials and Structures, Vol. 26(12), pp.1018-1027, DOI: 10.1080/15376494.2018.1430262 (Taylor & Francis, SCIE, IF= 3.052)

154. **Nguyen Dinh Duc, Vu Dinh Quang, Pham Dinh Nguyen, Trinh Minh Chien** (2018). *Nonlinear dynamic response of FGM porous plates on elastic foundation subjected to thermal and mechanical loads using the first order shear deformation theory.* Journal of Applied and Computational Mechanics, Vol 4(4), pp. 245-259, DOI: 10.22055/JACM.2018.23219.1151, IF=2.0.

155. **Pham Hong Cong, Nguyen Duy Khanh, Nguyen Dinh Khoa, Nguyen Dinh Duc** (2018). *New approach to investigate nonlinear dynamic response of sandwich auxetic double curves shallow shells using TSDT*. Composite Structures, Vol. 185, 455-465 (Elsevier, SCIE, IF=7,8).

156. **Nguyen Dinh Duc** (2018). *Nonlinear thermo-electro-mechanical dynamic response of shear deformable piezoelectric Sigmoid functionally graded sandwich circular cylindrical shells on elastic foundations.* Journal of Sandwich Structures and Materials, Vol. 20 (3), pp. 351-378 (SAGE, SCIE, IF=5.616)

157. **Nguyen Dinh Duc, Truong Duc Trinh, Thom Do Van, Duc Hong Doan** (2018). *On the buckling behavior of multi-cracked FGM plates*. Proceedings of The 2nd International Conference on Advanced in Computational Mechanics (ACMOE 2017), 02-04 August, Phu Quoc Island, Vietnam, pp.29-45, https://link.springer.com/book/10.1007/978-981-10-7149-2 (Springer, Scopus)

158. **Tuan Truong Anh, Thom Do Van, Dat Pham Tien, Nguyen Dinh Duc** (2019). *The effects of strength models in numerical study of metal plate destruction by contact xeplosive charge.* J. Mechanics of Advanced Materials and Structures, Vol.26 (8), pp. 661-670, http://www.tandfonline.com/doi/full/10.1080/15376494.2017.1410907 (Taylor & Francis, SCIE, IF = 3.052).

159. **Nguyen Dinh Duc, Kim Seung-Eock, Do Quang Chan** (2018). *Thermal buckling analysis of FGM sandwich truncated conical shells reinforced by FGM stiffeners resting on elastic foundations using FSDT.* J Thermal Stresses, Vol. 41(3), pp.331-365 (Taylor & Francis, SCI, IF=3.28).

160. **Nguyen Dinh Duc, Pham Hong Cong** (2018). *Nonlinear thermo-mechanical dynamic analysis and vibration of higher order shear deformable piezoelectric functionally graded material sandwich plates resting on elastic foundations*. Journal of Sandwich Structures and Materials. Vol 20 (2), pp.191-218 (SAGE, SCIE, IF=5.616).

161. **Nguyen Dinh Duc, Kim Seung-Eock, Tran Quoc Quan, Dang Dinh Long, Vu Minh Anh** (2018). *Noninear dynamic response and vibration of nanocomposite multilayer organic solar cell*. Composite Structure, Vol. 184, pp 1137-1144, https://doi.org/10.1016/j.compstruct.2017.10.064, (Elsevier, SCIE, IF =7.8).

162. **Nguyen Dinh Duc, Pham Dinh Nguyen** (2017). *The dynamic response and vibration of functionally graded carbon nanotubes reinforced composite (FG-CNTRC) truncated conical shells resting on elastic foundation.* Materials. Special Issue "Advanced composite", Vol 10 (10), 1194; http://www.mdpi.com/1996-1944/10/10/1194 (MDPI, Switzerland, SCIE, IF = 2.972).

163. **Thom Van Do, Duc Hong Doan, Nguyen Dinh Duc, Tinh Quoc Bui** (2017). *Phase-field thermal buckling analysis for cracked functionally graded composite plates considering neutral surface*. Composite Structures, Vol.182, pp.542-548 (Elsevier, SCIE, IF = 7.8).

164. **Dao Van Dung, Nguyen Dinh Duc, Hoang Thi Thiem** (2017). *Dynamic analysis of imperfect FGM circular cylindrical shells reinforced by FGM stiffener system using third order shear deformation theory in term of displacement components.* Latino American Journal of Solid and Structures http://www.lajss.org/index.php/LAJSS/article/view/3516, (ISI Journal, IF =1.289).

165. **Nguyen Dinh Duc et al.** (2017). *Light absorption, luminescence, dynamic response and vibration of nanocomposite organic solar cells*. Invited speaker at The 9th Conference of the Asian Consortium on Computational Material Science (ACCMS-9), 8-11 August 2017, Kuala Lumpur, Malaysia.

166. **Nguyen Dinh Duc et al.** (2017). *Nanocomposite structure for organic photovoltaic devices*. Invited speaker at The South-East Asia – Japan Conference on composite materials (SEAJCCM2), 6-9 August 2017, Tokyo, Japan.

167. **Nguyen Dinh Duc** (2017). *Nonlinear thermal dynamic analysis of eccentrically stiffened FGM structures using HSDT.* Invited speaker at International Symposium in Mechanical Engineering, 10-12 July, Yonsei University, Seoul, Korea.

168. **Nguyen Dinh Duc, Tran Quoc Quan, Nguyen Dinh Khoa** (2017). *New approach to investigate nonlinear dynamic response and vibration of imperfect functionally graded carbon nanotube reinforced composite double curved shallow shells subjected to blast load and temperature.* Journal Aerospace Science and Technology, Vol.71, pp.360-372 (Elsevier, SCI, IF=6.4).

169. **Nguyen Dinh Duc, Kim Seung-Eock, Pham Hong Cong, Nguyen Tuan Anh, Nguyen Dinh Khoa** (2017). *Dynamic response and vibration of composite double curved shallow shells with negative Poisson's ratio in auxetic honeycombs core layer on elastic foundations subjected to blast and damping loads.* International Journal of Mechanical of Sciences, Vol 133, pp.504-512, https://doi.org/10.1016/j.ijmecsci.2017.09.009 (Elsevier, SCI, IF=11.4).

170. **Duc Hong Doan, Tinh Bui Quoc, Thom Van Do, Nguyen Dinh Duc** (2017). *A rate-dependent hybrid phase field model for dynamic crack propagation.* Journal of Applied Physics, doi: 10.1063/1.4990073; 122, 115102 (2017) (AIP, American Institute of Physics, SCI, IF=2.546).

171. **Nguyen Dinh Duc, Kim Seung-Eock, Ngo Duc Tuan, Phuong Tran, Nguyen Dinh Khoa** (2017). *New approach to study nonlinear dynamic response and vibration of sandwich composite cylindrical panels with auxetic honeycomb core layer.* Journal Aerospace Science and Technology, Vol.70, pp.396-404, https://doi.org/10.1016/j.ast.2017.08.023 (Elsevier, SCI, IF=6.4).

172. **Thom Do Van, Dinh Kien Nguyen, Nguyen Dinh Duc, Duc Hong Doan, Tinh Bui Quoc** (2017). *Analysis of bi-directional functionally graded plates by FEM and a new third-order shear deformation plate theory.* J Thin Walled Structures, Vol. 119, pp.687-699 (Elsevier, SCIE, IF=8.3).

173. **Nguyen Dinh Duc, Jaechong Lee, T. Nguyen-Thoi, Pham Toan Thang** (2017). *Static response and free vibration of functionally graded carbon nanotube-reinforced composite rectangular plates resting on Winkler-Pasternak elastic foundations*. J. Aerospace Science and Technology, Vol. 68, pp.391-402 (Elsevier, SCI, IF=6.4).

174. **Nguyen Van Thanh, Nguyen Dinh Khoa, Ngo Duc Tuan, Phuong Tran, Nguyen Dinh Duc** (2017). *Nonlinear dynamic response and vibration of functionally graded carbon nanotubes reinforced composite (FG-CNTRC) shear deformable plates with temperature dependence material properties and surrounded on elastic foundations.* J. Thermal Stresses, Vol. 40 (10), pp.1254-1274 (Taylor & Francis, SCI, IF=3.28).

175. **Nguyen Dinh Duc, Vu Dinh Quang, Vu Thi Thuy Anh** (2017). *The nonlinear dynamic and vibration of the S-FGM shallow spherical shells resting on an elastic foundations*

including temperature effects. International Journal of Mechanical of Sciences, Vol. 123, pp. 54-63 (Elsevier, SCI, IF=11.4).

176. **Pham Toan Thang, Nguyen Dinh Duc, Nguyen Thoi Trung** (2017). *Thermomechanical buckling and post-buckling of cylindrical shell with functionally graded coatings and reinforced by stringers.* J. Aerospace Science and Technology, Vol.66, pp.392-401 (Elsevier, SCI, IF=6.4).

177. **Nguyen Dinh Duc, Pham Dinh Nguyen, Nguyen Dinh Khoa** (2017). *Nonlinear dynamic analysis and vibration of eccentrically stiffened S-FGM elliptical cylindrical shells surrounded on elastic foundations in thermal environments.* J Thin Walled Structures, Vol. 117, pp.178-189 (Elsevier, SCIE, IF=8.3).

178. **Valentin S. Bondar, Vladimir V. Dansin, Long D. Vu, Nguyen Dinh Duc** (2017). *Constitutive modeling of cyclic plasticity deformation and low-high cycle fatigue of stainless steel 304 in uniaxial stress state*. J. Mechanics of Advanced Materials and Structures, http://dx.doi.org/10.1080/15376494.2017.1342882 (Taylor & Francis, SCIE, IF=3.052).

179. **Nguyen Dinh Duc, Pham Hong Cong, Ngo Duc Tuan, Phuong Tran, Nguyen Van Thanh** (2017). *Thermal and mechanical stability of functionally graded carbon nanotubes (FG CNT)-reinforced composite truncated conical shells surrounded by the elastic foundations,* Thin-Walled Structures, Vol. 115, pp.300-310 (Elsevier, SCIE, IF=8.3).

180. **Pham Hong Cong, Vu Minh Anh, Nguyen Dinh Duc** (2017). *Nonlinear dynamic response of eccentrically stiffened FGM plate using Reddy's TSDT in thermal environment*. J. Thermal Stresses, Vol.40(6), pp.704-732 (Taylor & Francis, SCI, IF=3.28).

181. **Tran Quoc Quan, Nguyen Dinh Duc** (2017). *Nonlinear thermal stability of eccentrically stiffened FGM double curved shallow shells*. J. Thermal Stresses, Vol.40(2), pp.211-236, (Taylor & Francis, SCI, IF=3.28).

182. **Nguyen Dinh Duc, Ngo Duc Tuan, Phuong Tran, Tran Quoc Quan** (2017). *Nonlinear dynamic response and vibration of imperfect shear deformable functionally graded plates subjected to blast and thermal loads.* J. Mechanics of Advanced Materials and Structures, Vol.24 (4), pp.318-329 (Taylor & Francis, SCIE, IF=3.052).

183. **Nguyen Dinh Duc** (2016). *Nanocomposite materials for energy conversion and storage.* Invited Speaker. Asian Consortium on Computational Materials Sciences Theme Meeting 2016 (MCCMS TM 2016), 22-24 September, India.

184. **Nguyen Dinh Duc** (2016). *Enhancement of energy conversion efficiency in organic solar cell using nanoparticles*. Invited keynote speaker in plenary session of the Canada-Japan-Vietnam Workshop on Composites. 8-10, August, 2016, Hochiminh City, Vietnam.

185. **Pham Toan Thang, Nguyen Dinh Duc, Nguyen Thoi Trung** (2016). *Effects of variable thickness and imperfection on nonlinear buckling of Sigmoid-functionally graded cylindrical panels*. J. Composite Structures, Vol. 155, pp.99-106 (Elsevier, SCIE, IF=7.8).

186. **Thê - Duong Nguyen, Nguyen Dinh Duc** (2016). *Evaluation of elastic properties and thermal expansion coefficient of composites reinforced by randomly distributed spherical particles with negative Poisson's ratios.* J. Composite Structures, Vol. 153, pp.569-577 (Elsevier, SCIE, IF=7.8).

187. **Duc Hong Doan, Tinh Quoc Bui, Nguyen Dinh Duc, Fazuyoshi Fushinobu** (2016). *Hybrid Phase Field Simulation of Dynamic Crack Propagation in Functionally Graded Glass-Filled Epoxy*. Composite Part B: Engineering, Vol. 99, pp.266-276 (Elsevier, SCI, IF = 14.2).

188. **Nguyen Dinh Duc**, **Pham Hong Cong, Vu Dinh Quang** (2016). *Nonlinear dynamic and vibration analysis of piezoelectric eccentrically stiffened FGM plates in thermal environment.* International Journal of Mechanical of Sciences, Vol. 115-116, pp.711-722 (Elsevier, SCI, IF=11.4).

189. **Nguyen Dinh Duc, Ngo Duc Tuan, Phuong Tran, Pham Hong Cong, Pham Dinh Nguyen** (2016). *Nonlinear stability of eccentrically stiffened S-FGM elliptical cylindrical shells in thermal environment.* Thin-Walled Structures, Vol.108, pp 280-290 (Elsevier, SCIE, IF=8.3).

190. **Zhen Wang, Tiantang Yu, Tinh Quoc Bui, Ngoc Anh Trinh, Nguyen Thi Hien Luong, Nguyen Dinh Duc, Doan Hong Duc** (2016). *Numerical modeling of 3-D inclusions and voids by a novel adaptive XFEM*. Advances in Engineering Software, Vol.102, pp.105-122 (Elsevier, SCIE, IF =2.38).

191. **Tinh Quoc Bui, Duc Hong Doan, Thom Van Do, Sohichi Hirose, Nguyen Dinh Duc** (2016). *High frequency modes meshfree analysis of Reissner-Mindlin plates*. Journal of Science: Advanced Materials and Devices, Vol. 1(3), pp.400-412 (Elsevier, SCIE, IF=7.38).

192. **Nguyen Dinh Duc** (2016*). Nonlinear thermal dynamic analysis of eccentrically stiffened S-FGM circular cylindrical shells surrounded on elastic foundations using the Reddy's third-order shear deformation shell theory.* J. European Journal of Mechanics – A/Solids, Vol.58, pp.10-30 (Elsevier, SCI, IF=4.873).

193. **Dinh Duc Nguyen, Huy Bich Dao, Thi Thuy Anh Vu** (2016). *On the nonlinear stability of eccentrically stiffened functionally graded annular spherical segment shells*. J. Thin-Walled Structures, Vol. 106, pp. 258-267 (Elsevier, SCIE, IF=8.3).

194. **Pham Hong Cong, Nguyen Dinh Duc** (2016). *Thermal stability analysis of eccentrically stiffened Sigmoid – FGM plate with metal –ceramic-metal layers based on FSD*T. Cogent Engineering (2016), 3: 1182098, pp.1-15 (Taylor & Francis, ISI Journal, IF=2.2).

195. **Pham Van Thu, Nguyen Dinh Duc** (2016). *Nonlinear dynamic response and vibration of an imperfect three-phase laminated nanocomposite cylindrical panel resting on elastic foundations in thermal environments.* J. Science and Engineering of Composite Materials, DOI: 10.1515/secm-2015-0467 (De Gruyter, SCIE, IF=1.6).

196. **Nguyen Dinh Duc, Dao Huy Bich, Pham Hong Cong** (2016). *Nonlinear thermal dynamic response of shear deformable FGM plates on elastic foundations.* J. Thermal Stresses, Vol. 39(3), pp.278-297 (Taylor & Francis, SCI, IF=3.28).

197. **Vu Thi Thuy Anh, Nguyen Dinh Duc** (2016)**.** *Nonlinear response of shear deformable S-FGM shallow spherical shell with ceramic-metal-ceramic layers resting on elastic foundation in thermal environment.* J. Mechanics of Advanced Materials and Structures, Vol. 23 (8), pp.926-934 (Taylor & Francis, SCIE, IF=3.052).

198. **Tran Quoc Quan, Nguyen Dinh Duc** (2016). *Nonlinear vibration and dynamic response of shear deformable imperfect functionally graded double curved shallow shells resting on elastic foundations in thermal environments.* J. Thermal Stresses, Vol 39 (4), pp.437-459 (Taylor & Francis, SCI, IF=3.28).

199. **Vu Thi Thuy Anh, Pham Hong Cong, Dao Huy Bich, Nguyen Dinh Duc** (2016). *On the linear stability of eccentrically stiffened functionally graded annular spherical shell on elastic foundations*. J. of Advanced Composite Materials, Vol.25(6), pp.525-540, (Taylor & Francis, SCIE, IF=2.3).

200. **Nguyen Dinh Duc, Pham Hong Cong, Vu Dinh Quang** (2016). *Thermal stability of eccentrically stiffened FGM plate on elastic foundation based on Reddy's third-order shear deformation plate theory*. J. Thermal Stresses 39(7), pp.772-794 (Taylor & Francis, SCI, IF=3.28).

201. **Nguyen Dinh Duc, Pham Hong Cong, Ngo Duc Tuan, Phuong Tran, Vu Minh Anh, Vu Dinh Quang** (2016). *Nonlinear vibration and dynamic response of imperfect eccentrically stiffened shear deformable sandwich plate with functionally graded material in thermal environment.* Journal of Sandwich Structures and Materials, Vol 18 (4), 445-473 (SAGE, SCIE, IF=5.616), DOI:10.1177/1099636215602142.

202. **Vu Thi Thuy Anh, Nguyen Dinh Duc** (2015)**.** *The nonlinear stability of axisymmetric FGM annular spherical shells under thermo-mechanical load.* J. Mechanics of Advanced Materials and Structures, Vol.23 (12), pp.1421-1429 (Taylor & Francis, SCIE, IF=3.052).

203. **Nguyen Dinh Duc, Pham Hong Cong** (2015). *Nonlinear vibration of thick FGM plates on elastic foundation subjected to thermal and mechanical loads using the first order shear deformation plate theory*. Cogent Engineering (2015), 2: 1045222, p.1-17 (Taylor & Francis, ISI Journal, IF =2.2).

204. **Nguyen Dinh Duc, Ngo Duc Tuan, Phuong Tran, Nguyen Trong Dao, Ngo Tat Dat** (2015). *Nonlinear dynamic analysis of Sigmoid functionally graded circular cylindrical shells on elastic foundations using the third order shear deformation theory in thermal*

environments. International Journal of Mechanical of Sciences, Vol. 101-102, pp.338-348. (Elsevier, SCI, IF=11.4).

205. **Pham Hong Cong, Pham Thi Ngoc An, Nguyen Dinh Duc** (2015). *Nonlinear stability of shear deformable eccentrically stiffened functionally graded plates on elastic foundations with temperature-dependent properties.* J. Science and Engineering of Composite Materials, DOI 10.1515/secm-2015-0225 (De Gruyter, SCIE, IF=1.6).

206. **Nguyen Dinh Duc, Ngo Duc Tuan, Tran Quoc Quan, Nguyen Van Quyen, Tran Van Anh** (2015). *Nonlinear mechanical, thermal and thermo-mechanical postbuckling of imperfect eccentrically stiffened thin FGM cylindrical panels on elastic foundations.* Thin-Walled Structures, Vol.96, pp.155-168. (Elsevier, SCIE, IF=8.3).

207. **Nguyen Dinh Duc, Pham Hong Cong, Vu Minh Anh, Vu Dinh Quang, Phuong Tran, Ngo Duc Tuan, Nguyen Hoa Thinh** (2015). *Mechanical and thermal stability of eccentrically stiffened functionally graded conical shell panels resting on elastic foundations and in thermal environment.* J. Composite Structures, Vol.132, pp. 597-609 (Elsevier, SCIE, IF=7.8).

208. **Nguyen Dinh Duc, Homayoun Hadavinia, Pham Van Thu, Tran Quoc Quan** (2015). *Vibration and nonlinear dynamic response of imperfect three-phase polymer nanocomposite panel resting on elastic foundations under hydrodynamic loads.* J. Composite Structures, Vol.131, pp.229-237 (Elsevier, SCIE, IF=7.8).

209. **Nguyen Dinh Duc, Tran Quoc Quan** (2015)**.** *Nonlinear dynamic analysis of imperfect FGM double curved thin shallow shells with temperature-dependent properties on elastic foundation.* Journal of Vibration and Control, Vol.21 (7), pp.1340-1362 (SAGE, SCIE, IF=2.865).

210. **Nguyen Dinh Duc, Tran Quoc Quan, Vu Dinh Luat** (2015), *Nonlinear dynamic analysis and vibration of shear deformable piezoelectric FGM double curved shallow shells under damping-thermo-electro-mechanical loads.* J. Composite Structures, Vol. 125, pp 29-40 (Elsevier,SCIE, IF=7.8).

211. **Tran Quoc Quan, Phuong Tran, Ngo Duc Tuan, Nguyen Dinh Duc** (2015). *Nonlinear dynamic analysis and vibration of shear deformable eccentrically stiffened S-FGM cylindrical panels with metal-ceramic-metal layers resting on elastic foundations.* J. Composite Structures, Vol.126, pp. 16-33 (Elsevier, SCIE, IF=7.8).

212. **Nguyen Dinh Duc, Pham Hong Cong** (2015). *Nonlinear dynamic response of imperfect symmetric thin S-FGM plate with metal- ceramic-metal layers on elastic foundation.* Journal of Vibration and Control, Vol. 21(4), pp.637-646 (SAGE, SCIE, IF=2.865).

213. **Nguyen Dinh Duc, Pham Toan Thang** (2015). *Nonlinear dynamic response and vibration of shear deformable imperfect eccentrically stiffened S-FGM circular cylindrical shells surrounded on elastic foundations*". J. Aerospace Science and Technology, Vol.40, pp.115-127 (Elsevier, SCI, IF=6.4).

214. **Nguyen Dinh Duc, Pham Toan Thang, Nguyen Trong Dao, Hoang Van Tac** (2015). "*Nonlinear buckling of higher deformable S-FGM thick circular cylindrical shells with metal-ceramic-metal layers surrounded on elastic foundations in thermal environment*". J. Composite Structures, Vol.121, pp.134-141 (Elsevier, SCIE, IF=7.8).

215. **Nguyen Dinh Duc, Pham Hong Cong** (2015). *Nonlinear thermal stability of eccentrically stiffened functionally graded truncated conical shells surrounded on elastic foundations.* European Journal of Mechanics – A/Solids, Vol.50, pp.120-131 (Elsevier, SCI, IF=4.873).

216. **Vu Thi Thuy Anh, Dao Huy Bich, Nguyen Dinh Duc** (2015). *Nonlinear buckling analysis of thin FGM annular spherical shells on elastic foundations under external pressure and thermal loads*. European Journal of Mechanics – A/Solids, Vol. 50, pp 28-38 (Elsevier, SCI, IF=4.873).

217. **Nguyen Dinh Duc, Phạm Toan Thang** (2015). *Nonlinear response of imperfect eccentrically stiffened ceramic-metal-ceramic S-FGM thin circular cylindrical shells surrounded on elastic foundations under uniform radial load.* J. Mechanics of Advanced Materials and Structures, Vol.22, pp.1031-1038 (Taylor & Francis, SCIE, IF=3.052).

218. **T. Vu Quoc, H. Nguyen Dac, T. Pham Quoc, D. Nguyen Dinh, T. Chu Duc** (2015). *A printed circuit board capacitive sensor for air bubble inside fluidic flow detection.* J. Microsystem Technologies, Vol. 21, pp.911-918. DOI:10.1007/s00542-014-2141-8 (Springer, SCI, IF=2.276).

219. **Nguyen Dinh Duc, Tran Quoc Quan** (2014). *Transient responses of functionally graded double curved shallow shells with temperature-dependent material properties in thermal environment.* European Journal of Mechanics – A/Solids, Vol.47, pp.101-123 (Elsevier, SCI, IF=4.873).

220. **Nguyen Dinh Duc, Pham Toan Thang** (2014). *Nonlinear buckling of imperfect eccentrically stiffened metal-ceramic-metal S-FGM thin circular cylindrical shells with temperature-dependent properties in thermal environments.* International Journal of Mechanical of Sciences, Vol.81, pp.17-25 (Elsevier, SCI, IF=11.4).

221. **Nguyen Dinh Duc, Tran Quoc Quan** (2014). *Nonlinear response of imperfect eccentrically stiffened FGM cylindrical panels on elastic foundation subjected to mechanical loads.* European Journal of Mechanics – A/Solids. Vol.46, pp.60-71 (Elsevier, SCI, IF=4.873).

222. **Nguyen Dinh Duc, Pham Toan Thang** (2014). *Nonlinear response of imperfect eccentrically stiffened ceramic-metal-ceramic FGM circular cylindrical shells surrounded on elastic foundations and subjected to axial compression.* J. Composite Structures, Vol. 110, pp.200-206 (Elsevier, SCIE, IF=7.8).

223. **Hoang Van Tung, Nguyen Dinh Duc** (2014). *Nonlinear response of shear deformable FGM curved panels resting on elastic foundations and subjected to mechanical and*

thermal loading conditions. J. Applied Mathematical Modelling, Vol. 38, Issues 11-12, pp.2848-2866 (Elsevier, SCIE, IF=5.336).

224. **Dao Huy Bich, Nguyen Dinh Duc, Tran Quoc Quan** (2014). *Nonlinear vibration of imperfect eccentrically stiffened functionally graded double curved shallow shells resting on elastic foundation using the first order shear deformation theory.* International Journal of Mechanical of Sciences, Vol.80, pp.16-28 (Elsevier, SCI, IF=11.4).

225. **Nguyen Dinh Duc, Vu Thi Thuy Anh, Pham Hong Cong** (2014). *Nonlinear axisymmetric response of FGM shallow spherical shells on elastic foundations under uniform external pressure and temperature*. J. European Journal of Mechanics – A/Solids, Vol.45, pp.80-89 (Elsevier, SCI, IF=4.873).

226. **Nguyen Dinh Duc, Pham Van Thu** (2014). *Nonlinear stability analysis of imperfect three-phase polymer composite plates in thermal environments*. J. Composite Structures, Vol.109, pp.130-138. (Elsevier, SCIE, IF=7.8).

227. **Nguyen Dinh Duc, Pham Hong Cong** (2014). *Nonlinear postbuckling of an eccentrically stiffened thin FGM plate resting on elastic foundation in thermal environments*. J. Thin Walled Structures, Vol.75, pp.103-112 (Elsevier, SCIE, IF=8.3).

228. **Nguyen Dinh Duc** (2013). *Nonlinear dynamic response of imperfect eccentrically stiffened FGM double curved shallow shells on elastic foundation.* J. Composite Structures, Vol 102, pp.306-314 (Elsevier, SCIE, IF=7.8).

229. **Nguyen Dinh Duc, Tran Quoc Quan** (2013)**.** *Nonlinear postbuckling of imperfect eccentrically stiffened P-FGM double curved thin shallow shells on elastic foundations in thermal environments*. J. Composite Structures, Vol.106, Dec. 2013, pp. 590-600, (Elsevier, SCIE, IF=7.8).

230. **Nguyen Dinh Duc, Tran Quoc Quan** (2013). *Nonlinear postbuckling of imperfect double curved thin FGM shallow shells on elastic foundations subjected to mechanical loads.* J.Mechanics of Composite Materials, Vol.49. N5, p.493-506 (Springer, SCIE, IF=1.52).

231. **Nguyen Dinh Duc, Tran Quoc Quan, Do Nam** (2013). *Nonlinear stability analysis of imperfect three phase polymer composite plates.* J. Mechanics of Composite Materials Vol.49, N4, p. 345-358 (Springer, SCIE, IF=1.52).

232. **Nguyen Dinh Duc, Pham Hong Cong** (2013). *Nonlinear postbuckling of symmetric S-FGM plates resting on elastic foundations using higher order shear deformation plate theory in thermal environments.* J. Composite Structures, Vol 100, pp 566-574 (Elsevier, SCIE, IF=7.8).

233. **Do Ngoc Chung, Nguyen Nang Dinh, David Hui, Nguyen Dinh Duc, Tran Quang Trung and Mircea Chipara** (2013). *Investigation of Polymeric Composite Films Using Modified TiO2 Nanoparticles for Organic Light Emitting Diodes.* J. Current Nanoscience, Vol 9, Issue 1, pp.14-20 (Bentham Science Publishers, SCIE, IF=1.836).

234. **Nguyen Dinh Duc, Tran Quoc Quan** (2012). *Nonlinear stability analysis of double curved shallow FGM panel on elastic foundation in thermal environments*. J. Mechanics of Composite Materials (Springer, SCIE, IF=1.52), Vol.48, N4, pp.435-448.

235. **Nguyen Dinh Duc, Nghiem Thi Thu Ha** (2012). *Determining the deflection of thin composite plates under unsteady temperature filed.* J. Mechanics of Composite Materials (Springer, SCIE, IF=1.52), Vol 48, N3, pp.297-304.

236. **Nguyen Dinh Duc, Vu Nhu Lan, Tran Duc Trung, Bui Hai Le** (2011)**,** *A study on the application of hedge algebras to active fuzzy control of a seism-excited structure*. Journal of Vibration and Control (SAGE, SCIE, IF=2.865), Vol 18 (14), pp.2186-2200.

237. **Nguyen Dinh Duc, Hoang Van Tung** (2011), *Mechanical and thermal postbuckling of higher order shear deformable functionally graded plates on elastic foundations.* J. Composite Structures (Elsevier, SCIE, IF=7.8), Vol. 93, N3, pp.2874-2881.

238. **Nguyen Dinh Duc, Hoang Van Tung** (2010), *Nonlinear response of pressure-loaded functionally graded cylindrical panels with temperature effects*. J. Composite Structures (Elsevier, SCIE, IF=7.8), Vol. 92, Issue 7, pp.1664-1672.

239. **Hoang Van Tung, Nguyen Dinh Duc** (2010). *Nonlinear analysis of stability for functionally graded plates under mechanical and thermal loads*. J. Composite Structures (Elsevier, SCIE, IF=7.8), Vol.92, Issue 5, pp. 1184-1191.

240. **Nguyen Dinh Duc, Hoang Van Tung** (2010). *Nonlinear analysis of stability for functionally graded cylindrical shells under axial compression.* J. Computational Materials Sciences (Elsevier, SCI, IF=3.572), Vol. 49, No.4, Supplement, pp. S313-S316

241. **Nguyen Dinh Duc, Dinh Khac Minh** (2010). *Bending analysis of three-phase polymer composite plates reinforced by glass fibers and Titanium oxide particles.* J. Computational Materials Sciences (Elsevier, SCI, IF=3.572), vol. 49, N4, Supplement, pp.S194-S198.

242. **Nguyen Dinh Duc, Hoang Van Tung** (2010). *Mechanical and thermal postbuckling of shear deformable FGM plates with temperature-dependent properties*. J. Mechanics of Composite Materials (Springer, SCIE, IF=1.52), Vol.46, Issue 5, Page 461- 476.

243. **Phan Viet Dung, Pham Tien Lam, Nguyen Dinh Duc, Ayumu Sugiyama, Tatsuya Shimoda, Dam Hieu Chi** (2010). *First-principles study of the thermally induced polymerization of cyclopentasilane.* J. Computational Materials Sciences (Elsevier, SCI, IF=3.572), Vol. 49, N1, Supplement, pp.S21-S24.

244. **Tien Lam Pham, Phan Viet Dung, Ayumu Sugiyama, Nguyen Dinh Duc, Tatsuya Shimoda, Akihiko Fujiwara, Dam Hieu Chi** (2010). *First principles study of the physisorption of hydrogen molecule on graphene and carbon nanotube surfaces adhered by Pt atom.* J. Computational Materials Sciences (Elsevier, SCI, IF=3.572), Vol.49, N1, Supplement, pp.S15-S20.

245. **Nguyen Dinh Duc, Dinh Khac Minh, Pham Van Thu** (2010). *The bending analysis of three phase polymer composite plate reinforced glass fibres and titanium oxide particles including creep effect.* International Journal of Aeronautical and Space Sciences (Publisher of The Korean Society for Aeronautical & Space Sciences, SCIE, IF=1.4), Vol 11, N4, pp.361–366.

246. **Vanin G.A., Nguyen Dinh Duc** (1997). *The determination of rational structure of spherofibous plastics.1. 3Dm Models.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.33, N2, pp.107-111.

247. **Nguyen Dinh Duc** (1997). *The shear of the orthogonally reinforced spherofibrours composite.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.33, No.1, pp.74-79.

248. **Nguyen Dinh Duc** (1997). *The thermoelastic expansion of spherical fiber composite*. J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.33, No.2, pp.179-184.

249. **Nguyen Dinh Duc** (1997). *Rational structures of spherofibrous composites. 2. 4Dm Models* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), 1997, vol. 33, No.3, pp.263-268.

250. **Nguyen Dinh Duc** (1997). *Theory of fibre-matrix delamination in sphero-fibrous plastics.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.33, No.5, pp.455-459.

251. **Vanin G.A., Nguyen Dinh Duc** (1996). *Theory of spherofibrous composite.1.The input relationships: hypothesis and models.* J. Mechanics of composite materials (Springer, SCIE, IF=1.007), vol.32, No.3, pp.197-207.

252. **Vanin G.A., Nguyen Dinh Duc** (1996). *Theory of spherofibrous composite. 2.The fundamental equations.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.32, No.3, pp.208-216.

253. **Vanin G.A., Nguyen Dinh Duc** (1996). *Creep of plastics with spherical inclusions.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.32, No.5, pp.467-472.

254. **Nguyen Dinh Duc** (1996). *Shear creep of orthogonalyl reinforced spherofibrous composite.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), 1996, vol.32, No.6, pp.532-538.

255. **Vanin G.A., Nguyen Dinh Duc** (1996). *Creep of orthogonalyl reinforced spherofibrous composite.* J. Mechanics of composite materials (Springer, SCIE, IF=1.52), vol.32, No.6, pp.539-543.

256. **Nguyen Dinh Duc** (1990). *The analysis of failure criterions of composite materials*. "VINITI" of Acad. of Scien. USSR, No.4619B-90, 27 pages.

257. **Nguyen Dinh Duc** (1991). *The analysis of failure criterion for unidirectional fibre composite with periodic structure*. "VINITI" of Acad. of Scien. USSR, No.321B-91, 62 pages .

258. **Nguyen Dinh Duc** (1991). *The dependence of effective strength tensor on plastics properties of composite.* "VINITI" of Acad. of Scien. USSR, No.2489B-91, 14 pages.

259. **Nguyen Dinh Duc** (1991). *The experimental control of some failure criterions for anisotropic materials***.** In the book "Numerical simulation in the problems of mechanics". Edited by Bakhvalov N.C. and Pobedria B.E., Moscow State University, pp.75-79.

260. **Nguyen Dinh Duc** (1992). *The comparative analysis of some failure criterions on the sample of orthotropous graphite***.** J. "VECTNIK" of Moscow State University, No.1, pp.88-92.

261. **Vanin G.A. and Nguyen Dinh Duc** (1994). *The theory of woven composite with profile fibre*. The report of International conference "Mechanics of nonclassical materials" (Composite-94), Feb.1-5, 1994, Moscow, Russia, pp.206.

262. **Vanin G.A., Nguyen Dinh Duc** (1995). *The theory of woven composite with spatial interface*. The thesis of ninth International conference on mechanics of composite materials. Oct. 17-20,1995, Riga, Latvia, pp.206.

263. **Nguyen Dinh Duc** (1998). *The three-phase composite 3Dm with hollow fibres.* In the book: "The Science and collaboration", "Creation" Publisher, Moscow , pp.341-347.

264. **Nguyen Dinh Duc** (1999). *The elasticity of spheroplastics*. J "The news" of Russian Academy of natural sciences, Vol. 3, N3, pp.94-99

265. **Nguyen Dinh Duc, Yu.V.Suvorova** (2000). *The influence of temperature and humidity on behaviour viscoelastic composite*, in the book "The Science and Collaboration", "Creation" Publisher, Moscow, pp.289-310

266. **Nguyen Dinh Duc, Yu.V.Suvorova, X.I.Alecxeeva** (2000). *Joint account of temperature and humidity in the constitutive equations of hereditary type*. J. "Factory laboratory Diagnostics of materials", No.11, pp.45-47 (in Russian).

267. **Nguyen Dinh Duc, Yu.V.Suvorova, X.I. Alecxeeva, T.G.Xorina** (2000). *The influence of moisture content on strength for basalt plastics.* J. "Factory laboratory Diagnostics of materials", No.12, pp.44-48 ((in Russian).

268. **Nguyen Dinh Duc** (1998). *The three-phase composite with space structure 3Dm***.** Proceeding of the conference of Hanoi State University, Department of Mathe. & Mecha., April 24th 1998, Hanoi, Vietnam, pp 84-91.

269. **Nguyen Dinh Duc, Nguyen Hoa Thinh** (2000). *Mechanics of composite materials in beginning XXI century*. J. "The engineering and equipment", Hanoi, Vietnam, No.1, pp.18-21.

270. **Nguyen Dinh Duc** (2001). *Technology of manufacture of oil-pipe from composite materials in terms tropic of Vietnam*. Proceedings of XIII - Conference of young scientist: "Pressing problems of machine manufacture", December, Moscow - Russian, pp.28.

271. **Nguyen Dinh Duc** (2002). *The design, technology of manufacture and experiment for oil-pipe from composite materials*. Proceedings of the seventh national congress on mechanics, Hanoi, December - 2002, pp.177-185.

272. **Nguyen Dinh Duc** (2002). *Determination of elastic moduli for the hybrid composite*. Proceedings of the seventh national congress on mechanics, Hanoi, December -2002, pp.186-189.

273. **Nguyen Dinh Duc** (2003). *The problem of the new composite in the extreme high temperature,* Journal of Scientific and Military technology, No.2, pp.54-62.

274. **Nguyen Dinh Duc** (2003). *The matrix of the new composite in the extreme high temperature,* Journal of Science - Vietnam National University, Hanoi: "Mathematics-Physics", No.2, Vol.19, pp.9-13.

275. **Nguyen Dinh Duc** (2003). *Mechanic of nanocomposite material*, Journal of Science - Vietnam National University, Hanoi: "Mathematics-Physics", No.4, Vol. 19, pp. 13-18.

276. **Nguyen Dinh Duc** (2004). *Mechanics of polymer nanocomposite material,* Proceedings of 7th National Conference on Mechanics of Deformed Solid, Do Son, 7-2004, pp.232-240

277. **Nguyen Dinh Duc** (2005). *Three phase polymer nanocomposite Material*, Journal of Science of Vietnam National University "Mathematics - Physics" N3, Vol. 21, pp.16-23.

278. **Nguyen Dinh Duc** (2005). *Composite material used in design and manufacture of flying vehicle*. Proceedings of the First national congress on Mechanic of flying vehicle. Hanoi, 5-2005, pp.207-223.

279. **Nguyen Dinh Duc, Nguyen Le Hai** (2006). *The influence of spherical particles to structures of chemical pool and oil-pipe made of three-phase composite materials.* Proceedings of the eighth national congress on Mechanics, Thai Nguyen, pp.301-309.

280. **Nguyen Dinh Duc, Hoang Van Tung** (2006). *The stability of the thin round cylindrical composite shells subjected to torsional moment at two extremities*. Proceedings of the eighth national congress on Mechanics, Thai Nguyen, pp.310-317.

281. **Nguyen Dinh Duc, Hoang Van Tung, Do Thanh Hang** (2006). *A method for determining the bulk modulus of composite material with sphere pad seeds*, Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol. 22, No2, pp.17-20.

282. **Nguyen Dinh Duc, Hoang Van Tung** (2006). *Determining the effective uniaxial modulus of three-phase composite material of aligned fibres and spherical particles*, Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol. 22, No3, pp.12-18.

283. **Nguyen Dinh Duc, Nguyen Tien Dac** (2006). *Determining the plane strain bulk moduls of the composite material reinforced by aligned fibre*. Journal of Science, Mathematics-Physics, Vietnam National University, Hanoi, Vol.22, No4, pp.1-5.

284. **Luu Manh Ha, Tran Duc Tan, Nguyen Thang Long, Nguyen Dinh Duc, Nguyen Phu Thuy** (2006). *Errors determination of the MEMS IMU*. Journal of Science, Mathematics- Physics, Vietnam National University, Vol.22, No4, pp.6-14.

285. **Nguyen Dinh Duc, Nguyen Le Hai** (2007). *Determining the mechanical modulus of three-phase composite material with spherical particles*, Journal of Science and Technique, Military Technical Academy, No118, pp.34-40.

286. **Nguyen Dinh Duc, Hoang Van Tung, Do Thanh Hang** (2007). *An alternative method for determining the coefficient of thermal expansion of composite material of spherical particles.* Vietnam Journal of Mechanics, Vol.29. N1, pp.58-64.

287. **T.D. Tan, L.M.Ha, N.T.Long, N.D.Duc, N.P.Thuy** (2007). *Land-vehicle MEMS INS/GPS positioning during GPS signal Blockage periods* Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol. 23, No4, pp.243-251.

288. **Tran Duc Tan, Luu Manh Ha, Nguyen Thang Long, Nguyen Dinh Duc, Nguyen Phu Thuy** (2007). *Integration of Inertial Navigation System and Global positioning sistem: Performance analysis and measurements*. Proceedings of International Conference on Intelligent & Advanced Systems (ICIAS2007), November 2007, MALAYSIA, E-ISBN: 978-1-4244-1356-0. pp.1047-1050.

289. **Nguyen Dinh Duc**, **Hoang Van Tung** (2007). *An alternative method for determining thermal expansion coefficients for transversely isotropic aligned fibre composites.* Proceedings of the eight National Conference on Mechanics, Hanoi, December – 2007, pp.156-166.

290. **Nguyen Dinh Duc** (2007). *Determination of module K for hollow-sphero composite.* Proceedings of the eight National Conference on Mechanics, Hanoi, December, pp.148-155.

291. **Nguyen Dinh Duc, Luu Van Boi, Nguyen Tien Dac** (2008). *Determining thermal expansion coefficients of three-phase fiber composite material reinforced by spherical particles*. Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol. 24, No2, pp.57-65.

292. **Hoang Van Tung, Nguyen Dinh Duc** (2008). *Thermal buckling of imperfect functionally graded cylindrical shells according to Wan-Donnell model*. Vietnam Journal of Mechanics, Vol. 30, N3, pp.185-194.

293. **Nguyen Dinh Duc, Hoang Van Tung** (2008). *Thermal buckling of functionally graded cylindrical panels.* The International Conference on Computational Solid Mechanics (CSM2008), Hochiminh City, Vietnam, pp.77-87.

294. **Nguyen Dinh Duc, Hoang Van Tung** (2008). *Thermal buckling of imperfect functionally graded cylindrical shells according to Koiter model.* The International Conference on Computational Solid Mechanics (CSM2008), Hochiminh City, Vietnam, pp.88-99.

295. **Nguyen Dinh Duc, Hoang Van Tung** (2009). *Thermal buckling of laminated plates comprising functionally graded materials*. Proceedings of the National Conference on Mechanics, Hanoi, 3-2009, pp.30-39.

296. **Nguyen Nang Dinh, Nguyen Dinh Duc, Tran Thi Chung Thuy, Le Ha Chi, Do Ngoc Chung, Tran Quang Trung** (2009). *Characterization of mechanical, electrical and spectral properties of nanocomposite films used for organic light emitting diodes.* Proceedings of Second International Workshop on Nanotechnology and Application 2009 (IWNA 2009), *November 12-14*, Vung Tau, Vietnam, pp.63-68.

297. **Hoang Van Tung, Nguyen Dinh Duc** (2010). *Thermoelastic stability of thick imperfect functionally graded plates.* Vietnam Journal of Mechanics, Vol.32, N1, pp.47-58.

298. **Nguyen Dinh Duc, Hoang Van Tung** (2010). *Buckling and postbuckling of functionally graded cylindrical shells subjected to mechanical and thermal loads.* Proceeding of The International Conference on Engineering Mechanics and Automation (ICEMA), Hanoi, July -2010, pp.167-175.

299. **Dinh Khac Minh, Pham Van Thu, Nguyen Dinh Duc** (2010). *Bending of three phase composite plate with creep effect.* Proceeding of The International Conference on Engineering Mechanics and Automation (ICEMA), Hanoi, July - 2010, pp.53-58.

300. **T.Chu Duc, T. Chu Duc, T.D. Nguyen and D.D. Nguyen** (2010). *Mechanical Analysis of a Sensing Microgripper Based on the Direct Displacement Method.* Proceeding of The International Conference on Engineering Mechanics and Automation (ICEMA), Hanoi, July- 2010, pp.15-22.

301. **Nguyen Dinh Duc, Nguyen Thi Thuy** (2010). *Composite cylinder under unsteady, axisymmetric, plane temperature field*. Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol 26, No2, pp.83-92.

302. **Nguyen Dinh Duc, Nguyen Cao Son, Dinh Khac Minh** (2010). *Bending analysis of some composite plates for ship-building.* Proceedings of X^{th} National Conference on Mechanics of Deformed Solid, Thai Nguyen, Nov. 2010, pp.198-203.

303. **Nguyen Dinh Duc, Nguyen Thi Thuy** (2010). *The composite cylinder under pressures and temperature field*. Proceedings of X^{th} National Conference on Mechanics of Deformed Solid, Thai Nguyen, Nov.2010, pp.204-213.

304. **Nguyen Dinh Duc, Do Nam, Hoang Van Tung** (2010). *Effects of elastic foundation on nonlinear stability of FGM plates under compressive and thermal loads.* Proceedings of X^{th} National Conference on Mechanics of Deformed Solid, Thai Nguyen, Nov. 2010, pp.191-197.

305. **T. D. Tan, L. M. Ha, N. T. Long, C. D. Trinh, N. D. Duc** (2010). *Design, Simulation and Performance analysis of INS/GPS Integration System.* Proceedings of National Conference on "Science and Technology of Space and Application", Hanoi, Dec-2010, ISBN: 978-604-913-023-6, pp. 234-241.

306. **Nguyen Dinh Duc, Dinh Khac Minh** (2010). *Experimental for bending Analysis of 3-phase Composite Plate in Ship Structure.* Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol. 26, No3, pp.141-146.

307. **Luu Manh Ha, Tran Duc Tan, Chu Duc Trinh, Nguyen Thang Long, Nguyen Dinh Duc** (2011). *INS/GPS Navigation for Land Applications via GSM/GPRS Network*. Proceeding of 2nd Integrated Circuits and Devices in Vietnam (ICDV2011). ISBN: 978-4-88552-258-1, pp.30-55

308. **Nguyen Dinh Duc, Dinh Khac Minh** (2011). *Experimental study on mechanical properties for three phase polymer composite reinforced by glass fibers and titanium oxide particles*. Vietnam Journal of Mechanics, Vol.33, N2, pp.105-112.

309. **Nguyen Dinh Duc, Nghiem Thi Thu Ha** (2011). *The bending analysis of thin composite plate under steady temperature field.* Journal of Science, Mathematics-Physics, Vietnam National University, Hanoi, Vol.27, N2, pp.77-83.

310. **Nguyen Dinh Duc, Dinh Khac Minh** (2012). *Experimental study on Young's modulus E of the polymer composite reinforced by nano titanium dioxide particles,* Vietnam Journal of Mechanics, Vol.34, N1, pp. 19-25.

311. **Nguyen Dinh Duc, Pham Hong Cong** (2012). *Nonlinear dynamic response of S-FGM plate.* Proceeding of The Second International Conference on Engineering Mechanics and Automation (ICEMA2012), Hanoi, August- 2012, pp.271-278.

312. **Nguyen Dinh Duc, Tran Quoc Quan, Nguyen Xuan Tu** (2012). *Nonlinear stability analysis of imperfect three phase polymer composite plate resting on elastic foundations.* Proceeding of The Second International Conference on Engineering Mechanics and Automation (ICEMA2012), Hanoi, August- 2012, pp.279-288.

313. **Nguyen Dinh Duc, Bui Duc Tiep** (2012). *Structural analysis of three phase composite plate under bending loads.* Proceeding of The Second International Conference on Engineering Mechanics and Automation (ICEMA2012), Hanoi, August- 2012, pp.260-270.

314. **Nguyen Dinh Duc, Dinh Van Dat, Do Nam** (2012). *Nonlinear vibration and dynamic response of eccentrically stiffened laminated imperfect three phase polymer composite plates.* Proceedings of the IXth National Conference on Mechanics, Hanoi, December, 2012, pp.306-317.

315. **Nguyen Dinh Duc, Ho Quang Sang, Dao Xuan Nguyen** (2012). *Abaqus application in stress-strain calculating for 3- phase polymer composite pipes under outline and inline pressure.* Proceedings of the IXth National Conference on Mechanics, Hanoi, December, 2012, pp.318-328.

316. **Nguyen Dinh Duc, Vu Thi Thuy Anh** (2013). *Nonlinear axisymmetric response of thin FGM shallow spherical shells with ceramic-metal-ceramic layers under uniform external pressure and temperature*.Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol.29 ,No.2, 2013, pp. 1-15.

317. **Tran Quoc Quan, Nguyen Dinh Duc** (2013). *Nonlinear postbuckling of imperfect symmetric thin S-FGM double curved shallow shells with ceramic-metal-ceramic layers on elastic foundations subjected to mechanical loads*. Proceedings of XI National Conference on Mechanics of Deformed Solid, Ho Chi Minh City, Nov. 2013.

318. **Vu Thi Thuy Anh, Pham Hong Cong, Nguyen Dinh Duc** (2013). Nonlinear stability of axisymmetric spherical shell with ceramic-metal-ceramic layers (S-FGM) and *temperature-dependent properties on elastic foundation.* Proceedings of XI National Conference on Mechanics of Deformed Solid, Ho Chi Minh City, Nov. 2013.

319. **Pham Hong Cong, Nguyen Dinh Duc** (2013). *Nonlinear analysis of symmetrical S-FGM plate with ceramic-metal-ceramic layers on elastic foundation using first order shear deformation plate theory and displacement functions*. Proceedings of XI National Conference on Mechanics of Deformed Solid, Ho Chi Minh City, Nov. 2013.

320. **Vu Quoc Tuan, Nguyen Dac Hai, Pham Quoc Thinh, Nguyen Dinh Duc, Chu Duc Trinh** (2013). *Void fraction detecting in microfluidic channel flows based on a vertical capacitive structure.* Proceedings of International Symposium on Frontiers of Materials Science (ISFMS), Ha Noi, Nov. 2013.

321. **Hong Nguyen, Thang Pham, Trinh Bui, Long Dang and Cong Pham, Duc Nguyen** (2013). *The temperature sensitivity of a critical electric field induced magnetic easy-axis reorientation in FM/FE layered heterostructures.* Proceedings of International Symposium on Frontiers of Materials Science (ISFMS), Ha Noi, Nov. 2013.

322. **Pham Hong Cong, Dao Huy Bich, Nguyen Dinh Duc** (2014), *Nonlinear analysis on flutter of Sigmoid-functionally graded material plates with ceramic-metal-ceramic layers on elastic foundation*. Proceedings of National Symposium on Vibration and Control of Structures under Wind Actions. Hanoi University of Science and Technology. Ha Noi, February 24-25, 2014, ISSN: 978-604-911-943-9, pp.133-147.

323. **Tran Quoc Quan, Dao Huy Bich, Nguyen Dinh Duc** (2014), *Nonlinear analysis on flutter of Sigmoid-functionally graded cylindrical panels on elastic foundations using Ilyshin supersonic aerodynamic theory*. Proceedings of National Symposium on Vibration and Control of Structures under Wind Actions. Hanoi University of Science and Technology. Ha Noi, February 24-25, 2014, ISSN: 978-604-911-943-9, pp.148-161.

324. **Nguyen Dinh Duc, Pham Hong Cong, Song Jung Il** (2014), *Nonlinear vibration of thick Sigmoid-FGM plates on elastic foundation subjected to thermal load using the third order shear deformation theory.* Proceeding of The Third International Conference on Engineering Mechanics and Automation (ICEMA 2014), Hanoi, October- 2014, ISBN: 978-604-913-367-1, pp.409-418.

325. **Pham Van Thu, Tran Quoc Quan, Homayoun Hadavinia, Nguyen Dinh Duc** (2014). *Nonlinear dynamic analysis and vibration of imperfect three phase polymer nanocomposite panel resting on elastic foundation under hydrodynamic loads.* Proceeding of The Third International Conference on Engineering Mechanics and Automation (ICEMA 2014), Hanoi, October- 2014, ISBN: 978-604-913-367-1, pp. 499-508.

326. **Vu Thi Thuy Anh, Dao Huy Bich, Nguyen Dinh Duc** (2014). *Nonlinear post-buckling analysis of thin Sigmoid FGM annular spherical shells surrounded on elastic foundations under uniform external pressure including temperature effects.* Proceeding of The Third International Conference on Engineering Mechanics and Automation (ICEMA 2014), Hanoi, October- 2014, ISBN: 978-604-913-367-1, pp.609-620.

327. **Nguyen Dinh Duc, Pobedrya B.E., Dao Huy Bich, Pham Toan Thang** (2014). *Nonlinear analysis on flutter of S-FGM thin circular cylindrical shells with metal-ceramic-metal layers surrounded on elastic foundations using Ilyushin supersonic aerodynamic theory*. Proceeding of The Third International Conference on Engineering Mechanics and Automation (ICEMA 2014), Hanoi, October- 2014, ISBN: 978-604-913-367-1, pp. 419-426.

328. **Vu Van Dung, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2014). *Nonlinear response of axisymmetric shear deformable Sigmoid FGM shallow spherical shells resting on elastic foundations under external pressure.* Proceeding of The Third International Conference on Engineering Mechanics and Automation (ICEMA 2014), Hanoi, October- 2014, ISBN: 978-604-913-367-1, pp. 622-631.

329. **Tran Quoc Quan, Shen Hui - Shen, Nguyen Dinh Duc** (2014). *Nonlinear dynamic and vibration of imperfect Sigmoid-functionally graded double curved shallow shells resting on elastic foundations using the first order shear deformation theory*. Proceeding of The Third International Conference on Engineering Mechanics and Automation (ICEMA 2014), Hanoi, October- 2014, ISBN: 978-604-913-367-1, pp. 526-535.

330. **Nguyen Dinh Duc, Vu Thi Thuy Anh, Dao Huy Bich,** (2014), *The nonlinear post-buckling of thin FGM annular spherical shells under mechanical loads and resting on elastic foundations.* Vietnam Journal of Mechanics, Vol.36, N4, pp. 291-306.

331. **Nguyen Thi Minh Hong, Pham Duc Thang, Dang Dinh Long, Pham Thai Ha, Nguyen Ngoc Trung, Pham Hong Cong, Nguyen Dinh Duc** (2014) **.** *The Temperature-sensitivity of a Critical Electric Field Induced Magnetic Easy-axis Reorientation Ferromagnetic/ferroelectric Layered Heterostructures.* J. Communication in Physis, Vol. 24, N3S1, pp.71-79. DOI:10.15625/0868-3166/24/3S1/5222.

332. **Pham Hong Cong, Dao Huy Bich, Nguyen Dinh Duc** (2015), *Nonlinear analysis on flutter of FGM plates using Ilyushin supersonic aerodynamic theory*. Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol.31, N1, pp.22-35.

333. **Tran Quoc Quan, Dao Huy Bich, Nguyen Dinh Duc** (2015), *Nonlinear analysis on flutter of functional graded cylindrical panels on elastic foundations using the Ilyushin nonlinear supersonic aerodynamic theory.* Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol.31, N2, pp 1-14.

334. **Vu Thi Thuy Anh, Dao Huy Bich, Nguyen Dinh Duc** (2015). *Nonlinear stability of thin FGM annular spherical segment in thermal environment***.** Vietnam Journal of Mechanics, Vol.37, N4, pp.285-302.

335. **Tran Quoc Quan, Dao Huy Bich, Nguyen Dinh Duc** (2015). *Research on flutter of double curved thin FGM shallow shells on elastic foundations using Ilyushin nonlinear supersonic aerodynamic theory.* Proceedings of XII National Conference on Mechanics of Deformed Solid, Da Nang City, 6-7 August 2015, pp.1178-1185.

336. **Nguyen Dinh Duc, Ngo Duc Tuan, Phuong Tran, Tran Quoc Quan, Nguyen Van Quyen** (2015). *Nonlinear dynamic response of imperfect FGM plates subjected to blast load.* Proceedings of XII National Conference on Mechanics of Deformed Solid, Da Nang City, 6-7 August 2015, pp. 472-479.

337. **Nguyen Dinh Duc, Tran Quoc Quan** (2015). *Nonlinear dynamic analysis of imperfect eccentrically stiffened S-FGM thick circular cylindrical shells on elastic foundations and subjected to mechanical loads.* Proceedings of 16th Asia Pacific Vibration Conference (APVC16-2015). 24-26 Nov, 2015. Hanoi, Vietnam, pp.251-259.

338. **Ngo Duc Tuan, Phuong Tran, Nguyen Dinh Duc** (2015). *Nonlinear stability of pienzoelectric functionally graded circular cylindrical shell under temperature.* Proceedings of The Fourteenth East Asia-Pacific Conference on Structural Engineering and Construction (EASEC14), HochiMinh City, 6-8 Jan, 2016, pp. 214-215. ISBN: 978-604-82-1684-9.

339. **Nguyen Dinh Duc, Phuong Tran, Pham Hong Cong** (2015). *Nonlinear thermal dynamic analysis of pienzoelectric functionally graded plates.* Proceedings of The Fourteenth East Asia-Pacific Conference on Structural Engineering and Construction (EASEC14), HochiMinh City, 6-8 Jan, 2016, pp. 216-217. ISBN: 978-604-82-1684-9.

340. **Nguyen Dinh Duc, Ngo Duc Tuan, Tran Quoc Quan** (2015). *Analytical approach for investigating the nonlinear dynamic response of imperfect shear deformable FGM cylindrical panel subjected to blast loads.* Proceedings of The Fourteenth East Asia-Pacific Conference on Structural Engineering and Construction (EASEC14), HochiMinh City, 6-8 Jan, 2016, pp. 218-219. ISBN: 978-604-82-1684-9.

341. **Duc Hong Doan, Tinh Quoc Bui, Nguyen Dinh Duc and Kazyyoshi Fushinobul** (2015). *Phase field dynamic crack growth in functionally graded materials.* Proceedings of The Fourteenth East Asia-Pacific Conference on Structural Engineering and Construction (EASEC14), HochiMinh City, 6-8 Jan, 2016, pp. 220-221. ISBN: 978-604-82-1684-9.

342. **Pham Hong Cong, Nguyen Dinh Duc** (2016). *Vibration and nonlinear dynamic analysis of imperfect thin eccentrically stiffened functionally graded plates in thermal*

environments. Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol.32, N1, pp 1-19.

343. **Pham Van Thu, Nguyen Dinh Duc** (2016). *Nonlinear stability analysis of imperfect three-phase sandwich laminated polymer nanocomposite panels resting on elastic foundations in thermal environments.* Journal of Science, Mathematics- Physics, Vietnam National University, Hanoi, Vol.32, N1, pp 20-36.

344. **Hong Duc Doan, Tinh Quoc Bui, Kazuyoshi Fushinobu and Nguyen Dinh Duc** (2016). *Hybrid Phase Field Simulation of Dynamic Crack Propagation in Functionally Graded Glass-Filled Epoxy*. The report of The National Conference on Composite Materials and Structures: Mechanics, Technology and Application. Nha Trang, Vietnam, 28-29 July, 2016.

345. **Nguyen Dinh Duc, Long Dang, Nguyen Xuan Nguyen** (2016). *The mechanical effect and physics properties of ZnO nanoparticles in nanocomposite organic solar cell P3HT:PCBM.* Proceedings of The National Conference on Composite Materials and Structures: Mechanics, Technology and Application. Nha Trang, Vietnam, 28-29 July, 2016, pp.221-228.

346. **Pham Van Thu, Trinh Van Binh, Huynh Tan Dat, Nguyen Van Dat, Nguyen Dinh Duc** (2016). *Study of determination adjusted ratio for calculating strength of orthotropic laminated composite plates used in building ship*. Proceedings of The National Conference on Composite Materials and Structures: Mechanics, Technology and Application. Nha Trang, Vietnam, 28-29 July, 2016, pp. 675-682.

347. **Nguyen Dinh Duc, Nguyen Nang Dinh, Pham Duc Thang, Dang Dinh Long, Nguyen Xuan Nguyen** (2016). *Enhancement of energy conversion efficiency in organic solar cell using nanoparticles*. Proceedings of the Canada-Japan-Vietnam Workshop on Composites. 8-10, August, 2016, Hochiminh City, Vietnam.

348. **Nguyen Dinh Duc, Pham Hong Cong, Ngo Dinh Dat** (2016). *Nonlinear dynamic and vibration analysis of an eccentrically stiffened E-FGM plate in thermal environment.* Proceedings of the Canada-Japan-Vietnam Workshop on Composites, Hochiminh City, Vietnam, 8-10 August, 2016.

349. **Nguyen Dinh Duc, Tran Quoc Quan, Pham Dinh Nguyen** (2016). *Nonlinear buckling and postbuckling of an eccentrically stiffened E-FGM circular cylindrical shells resting on elastic foundations in thermal environment.* Proceedings of the Canada-Japan-Vietnam Workshop on Composites, Hochiminh City, Vietnam, 8-10 August, 2016.

350. **Nguyen Dinh Duc, Tran Quoc Quan** (2016). *Nonlinear dynamic response and vibration of imperfect eccentrically stiffened E-FGM double curved shallow shells in thermal environments.* Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.302-309.

351. **Nguyen Dinh Duc, Vu Thuy Anh, Vu Dinh Quang** (2016). *On the nonlinear dynamic and vibration stability of S-FGM spherical shells with metal-ceramic-metal layers resting on elastic foundation.* Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.310-317.

352. **Tinh Quoc Bui, Tuan A.H. Nguyen, Duc Hong Doan, Nguyen Dinh Duc and Sohichi Hirose** (2016). *Numerical Failure Simulation of Quasi-Brittle Materials using A Second-Order Implicit Gradient Damage Theory*. Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.253-258.

353. **Nguyen Dinh Duc, Pham Hong Cong, Nguyen Duy Khanh** (2016). *Nonlinear dynamic and vibration analysis of imperfect eccentrically stiffened E-FGM circular cylindrical shells surrounded by Pasternak elastic foundation in thermal environment.* Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.292-301.

354. **Phuc Minh Pham**, **Duc Hong Doan, Tinh Quoc Bui, Nguyen Xuan Nguyen, Nguyen Minh Dung, Nguyen Binh Khiem, Nguyen Dinh Duc** (2016). *A Numerical Study of Mixed-mode Crack Propagation in ZnO_2/NiCr Functionally Graded Materials by A Hybrid Phase-Field Method.* Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.383-386.

355. **Duc Hong Doan, Tinh Quoc Bui, Nguyen Xuan Nguyen, Kazuyoshi Fushinobu, Nguyen Dinh Duc** (2016). *Dynamics Crack Propagation Simulation by A Rate-dependent Phase Field Fracture Approach.* Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.265-268.

356. **Thom Van Do, Tinh Quoc Bui**, **Duc Hong Doan and Nguyen Dinh Duc** (2016). *A finite Element Model Using a New Third-order Shear Deformation Plate Theory for The Analysis of Heated Functionally Graded plates in High Temperature.* Proceeding of The Fourth International Conference on Engineering Mechanics and Automation (ICEMA 2016), Hanoi, 25-26 August, 2016, ISBN: 978-604-62-9730-8, pp.259-264.

357. **Do Van Thom, Doan Hong Duc, Bui Quoc Tinh and Nguyen Dinh Duc** (2016)**.** *Buckling anslysis of plates with crack using FSDT and the phase-field theory.* Proceedings of 2nd National Conference on Engineering Mechanics and Automation, Hanoi University of Science and Technology (HUST), Hanoi, Oct. 7-8, 2016.

358. **Doan Hong Duc, Bui Quoc Tinh, Nguyen Dinh Duc** (2016). *The behavior of cracks in the interface ZnO2 / NiCr*. Proceedings of 2nd National Conference on Engineering Mechanics and Automation, Hanoi University of Science and Technology (HUST), Hanoi, Oct. 7-8, 2016.

359. **Doan Quang Van, Hiroyuki Kusaka, Nguyen Minh Truong, Doan Hong Duc, Nguyen Dinh Duc** (2016). *Applying dynamic downscaling method with a high-resolution regional climate model for local climate projection in greater Hanoi city.* Proceedings of 5th International Conference on Vietnam Studies (ICVS-2016), Hanoi, Dec.15-16.

360. **Nguyen Dinh Duc, Pham Hong Cong, Ho Xuan Tinh** (2016). *Nonlinear buckling and postbuckling of an eccentrically stiffened E-FGM plate resting on elastic foundations in thermal environment.* Vietnam Technology and Sciences Journal of Vietnam Ministry of Technology and Science, Vol. 8 (9), pp. 40-46.

361. **Duc Hong Doan, Thom Van Do, Tinh Bui Quoc, Nguyen Dinh Duc** (2017). *Numerical validation for free vibration of cracked Mindlin plates using phase-field method.* The 2nd International Conference on Advanced in Computational Mechanics (ACMOE 2017), 02-04 August, Phu Quoc Island, Vietnam.

362. **Thom Van Do, Duc Hong Doan, Tinh Quoc Bui, Nguyen Dinh Duc** (2017). *Thermal buckling of cracked Mindlin FGM plates based on neutral surface and phase-field method.* The 2nd International Conference on Advanced in Computational Mechanics (ACMOE 2017), 02-04 August, Phu Quoc Island, Vietnam.

363. **Duc Hong Doan, Thom Van Do, Nguyen Dinh Khoa, Nguyen Dinh Duc** (2017). *Phase-field based simulation of treansverse cracking in laminated.* The 2nd International Conference on Advanced in Computational Mechanics (ACMOE 2017), 02-04 August, Phu Quoc Island, Vietnam.

364. **Pham Hong Cong and Nguyen Dinh Duc** (2018). *Nonlinear dynamic response of ES-FGM plate under blast load.* Vietnam Journal of Mechanics, Vol.40 (1), pp.33-45.

365. **Do Van Thom, Duc Hong Doan, Nguyen Dinh Duc, Pham Tien Dat** (2018). *Free vibration of cracked composite plates*. Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol.3, pp. 1038-1045.

366. **Tran Trung Thanh, Do Van Thom, Doan Trac Luat, Nguyen Dinh Duc** (2018). *Static bending analysis of variable-thickness FGM plates based on Mindlin theory and finite element method.* Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol.3, pp.1151-1157.

367. **Nguyen Dinh Duc, Vu Thi Thuy Anh, Dinh Van Kiet** (2018). *Nonlinear stability of shallow spherical FG-CNTRC shell using FSDT*. Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol.3, pp. 284-291.

368. **Nguyen Dinh Duc, Pham Minh Vuong** (2018). *Buckling analysis of FGM toroidal shell under torsional loads.* Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol. 3, pp.300-307.

369. **Nguyen Dinh Duc, Hoang Thi Thiem** (2018). *Mechanical and thermal postbuckling of FG CNTRC thick circular cylindrical shells using higher-order shear deformation*

theory. Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol.3, pp.292-299.

370. **Nguyen Dinh Du, Nguyen Dinh Duc, Bui Quoc Tinh** (2018). *A novel integration scheme for the consecutive-interpolation multilateral element to improve the stiffness matrix.* Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol.2, pp. 468-475.

371. **Tien Dung Nguyen, Dinh Duc Nguyen, Le Binh Phan** (2018). *Ball penetration test: some aspects on theory and practical applications.* Proceeding of the Xth National Conference on Mechanics, Hanoi, December, 2017, Vol.2, pp.711-718.

372. **Nguyen Dinh Duc, Vu Thi Thuy Anh, Vu Thi Huong, Vu Dinh Quang, Pham Dinh Nguyen** (2019). *Nonlinear Dynamic Response of Nano-composite Sandwich Annular Spherical Shells*. VNU Journal of Science: Mathematics – Physics, Vol. 35, No. 3 (2019) 1-12.

373. **Nguyen Dinh Duc, Pham Tien Lam, Nguyen Van Quyen, Vu Dinh Quang** (2019). *Nonlinear Dynamic Response and Vibration of 2D Penta-graphene Composite Plates Resting on Elastic Foundation in Thermal Environments.* VNU Journal of Science: Mathematics – Physics, Vol. 35, No. 3 (2019) 13-29.

374. **Pham Hong Cong, Pham Dinh Nguyen, Tran Hoan Huy, Nguyen Dinh Duc** (2019). *Nonlinear dynamic response of auxetic honeycomb cylindrical panels reinforced by orthogonal stiffeners.* Proceeding of The 5th International Conference on Engineering Mechanics and Automation (ICEMA5 2019), Hanoi, 12 October, 2019, pp.169-177.

375. **Vu Thi Huong, Pham Dinh Nguyen, Vu Thi Thuy Anh and Nguyen Dinh Duc** (2019). *Nonlinear dynamic response analysis of porous graphene platelet-reinforced composite sandwich shallow spherical shells.* Proceeding of The 5th International Conference on Engineering Mechanics and Automation (ICEMA5 2019), Hanoi, 12 October, 2019, pp.198-205.

376. **Pham Minh Vuong and Nguyen Dinh Duc** (2019**).** *Buckling and post-buckling of FGM toroidal shell segments loaded by axial compression using Reddy's third-order shear deformation theory.* Proceeding of The 5th International Conference on Engineering Mechanics and Automation (ICEMA5 2019), Hanoi, 12 October, 2019, pp.178-185.

377. **Pham Hong Cong, Nguyen Dinh Duc** (2019). *Postbuckling behavior of functionally graded multilayer graphene nanocomposite plate under mechanical and thermal loads on elastic foundations*. VNU Journal of Science: Natural Sciences and Technology, Vol. 35(4), pp.110-122.

378. **Vu Minh Anh, Nguyen Dinh Duc** (2019). *Nonlinear vibration of porous funcationally graded cylindrical panel using Reddy's high order shear deformation*. VNU Journal of of Science: Mathematics – Physics, Vol. 35, No. 4 (2019) 14-29.

379. **Dao Minh Quan, Nguyen Dinh Duc** (2019). *Identify the role of the excellence research groups in universities based on approaching the group's relationships*. Vietnam Journal of Science, Technology and Engineering/Social Science, Vol. 60(10), pp. 19-23.

380. **Nguyen Dinh Duc, Tran Thi Hoai, Ngo Tien Nhat** (2019). *Scientific Research Supports for PhD Students at Vietnam National University, Hanoi.* VNU Journal of Science: Education Research, Vol. 35(2), pp. 52-65.

381. **Bui Minh Duc, Nguyen Thi Thu Ha, Nguyen Dinh Duc** (2019). *The Role of Scientific Working Group in International Publication on Natural Sciences and Engineering*. VNU Journal of Science: Education Research, Vol. 35(2), pp. 12-23.

382. **Nguyen Thi Thu Ha, Nguyen Dinh Duc** (2019). *The reality establishing and developing the research groups in universities in Vietnam today.* Vietnam Journal of Science, Technology and Engineering/Social Science, Vol. 61(4), pp. 24-30.

383. **Bui Minh Duc, Nguyen Thi Thu Ha, Nguyen Dinh Duc** (2019). *Major Factors Impacting the Operational Efficiency of Scientific Working Groups.* VNU Journal of Science: Education Research Vol. 35(1), pp. 54-63.

384. **Nguyen Dinh Du, Bui Quoc Tinh, Nguyen Dinh Duc** (2019). *An alternative integration scheme and its application in the consecutive-interpolation enhanced hexahedral element (CHH8) for reduction of computational time.* Proceeding of the National Conference of Engineering Mechanics celebrates 40th anniversary of the Institute of Mechanics, Hanoi, 9 April 2019, pp. 64-71.

385. **Pham Minh Phuc, Do Van Thom, Doan Hong Duc, Nguyen Dinh Duc** (2019). *The stability analysis of FGM plate resting on elastic foundations using Phase-Field theory and higher order shear deformation plate theory*. Proceeding of the National Conference of Engineering Mechanics celebrates 40th anniversary of the Institute of Mechanics, Hanoi, 9 April 2019, pp.289-296.

386. **Do Van Thom, Doan Hong Duc, Nguyen Dinh Duc and Nguyen Xuan Nguyen** (2019). *Finite element analysis of thermal buckling of cracked porous FGM plate based on the third order shear deformation theory.* Proceeding of the National Conference of Engineering Mechanics celebrates 40th anniversary of the Institute of Mechanics, Hanoi, 9 April 2019, pp. 395-401.

387. **Do Van Thom, Doan Hong Duc, Nguyen Dinh Duc and Nguyen Xuan Nguyen** (2019). *Free vibration analysis of cracked porous FGM plate based on phase - field theory and finite element method.* Proceeding of the National Conference of Engineering Mechanics celebrates 40th anniversary of the Institute of Mechanics, Hanoi, 9 April 2019, pp.402-408.

388. **Pham Hong Cong, Pham Minh Phuc, Hoang Thi Thiem, Duong Tuan Manh, Nguyen Dinh Duc** (2020). *Static bending analysis of auxetic plate by FEM and a new third-order shear deformation plate theory.* VNU Journal of Science: Natural Sciences and Technology, Vol. 36(1), pp. 90-99.

389. **Pham Dinh Nguyen, Quang-Viet Vu, George Papazafeiropoulos, Hoang Thị Thiem, Pham Minh Vuong, Nguyen Dinh Duc** (2020). *Optimization of Laminated Composite Plates for Maximum Biaxial Buckling Load*. VNU Journal of Science: Mathematics – Physics, Vol. 36(2), pp.1-12.

390. **Vu Dinh Quang, Nguyen Van Quyen, Vu Thi Thuy Anh, Nguyen Dinh Duc** (2020). *Dynamic response and vibration of shear deformable sandwich plate with GPL-RC face sheets and a core layer with negative Poisson's ratios under blast loading.* The Second International Conference on Material, Machines, and Methods for Sustainable Development, Nha Trang, Viet Nam, 12-15 Nov. 2020.

391. **Nguyen Van Quyen, Vu Minh Anh, Tran Quoc Quan, Nguyen Dinh Duc** (2020). *Nonlinear forced vibration and optimal design of multilayer organic solar cell using Bees Algorithm.* The Second International Conference on Material, Machines, and Methods for Sustainable Development, Nha Trang, Viet Nam, 12-15 Nov. 2020.

392. **Dinh Du Nguyen, Dinh Duc Nguyen, Quoc Tinh Bui** (2021). *Analysis of linear elastic fracture mechanics for cracked functionally graded composite plate by enhanced local enriched consecutive-interpolation elements.* VNU Journal of Science: Mathematics – Physics, Vol. 37, No. 1 (2021) 1-11.

393. **Pham Dinh Nguyen, Nguyen Dinh Duc** (2021). *Optimum buckling analysis of stiffened laminated composite plates*. Proceeding of the XVth National Conference on Solid Mechanics, Thai Nguyen, Vietnam, September, 2021.

394. **Nguyen Ngoc Vinh, Nguyen Tien Dung, Nguyen Dinh Duc** (2021). *Study on relationship between stress relaxation and microstructural evolution of high-strength steel*. Proceeding of the XVth National Conference on Solid Mechanics, Thai Nguyen, Vietnam, September, 2021

395. **Vu Dinh Khoe, Pham Minh Vuong, Nguyen Van Thanh, Tran Quoc Quan, Nguyen Dinh Duc** (2022). *Nonlinear vibration of nanocomposite multilayer perovskite solar cell in thermal environment*. VNU Journal of Science: Mathematics-Physics, Vol. 38 (1), 2022, pp. 44-57.

396. **Pham Dinh Nguyen, George Papazafeiropoulos, Quang-Viet Vu, Nguyen Dinh Duc** (2021). *Optimum buckling analysis of laminated composite plates reinforced by multiple stiffeners.* Proceeding of The 6th International Conference on Engineering Mechanics and Automation (ICEMA6 2021), Hanoi, 14 November, 2021.

397. **Doan Hong Duc, Do Van Thom, Phung Van Minh, Nguyen Dinh Duc** (2021). *Finite element modeling for free vibration behaviors of piezoelectric cracked nanoplates with flexoelectric effects.* Proceeding of The 6th International Conference on Engineering Mechanics and Automation (ICEMA6 2021), Hanoi, 14 November, 2021.

398. **Mai Van Trung, Vu Dinh Giang, Nguyen Dinh Duc, Vu Thi Thuy Anh** (2021). *Simulation of crack propagation in FG-GPLRC structures and its application in dataset*

generation. Proceeding of The 6th International Conference on Engineering Mechanics and Automation (ICEMA6 2021), Hanoi, 14 November, 2021

399. **Ngo Dinh Dat, Nguyen Dinh Duc, Vu Dinh Giang, Vu Thi Thuy Anh** (2021). *Investigation of a sandwich plate with two MEE face sheets and FGM core layer from the nonlinear dynamic buckling point of view*. Proceeding of The 6th International Conference on Engineering Mechanics and Automation (ICEMA6 2021), Hanoi, 14 November, 2021

400. **Le-Hung Tran, Dinh Duc Nguyen** (2022). *Calculation of the dynamic responses of rails subjected to moving loads on ballasted railway track.* VNU Journal of Science: Mathematics-Physics, Vol. 38(3), pp.49-62.

401. **Phạm Minh Vương, Nguyễn Đình Đức** (2022). *Phân tích dao động của vỏ trụ FGM có độ dày thay đổi theo lý thuyết biến dạng cắt bậc 3.* Tuyển tập công trình Hội nghị Cơ học toàn quốc lần thứ 11, ngày 2-3/12/2022. Hanoi, trang 129-139**.**

402. **Phạm Hồng Công, Nguyễn Trọng Thưởng, Nguyễn Đình Đức** (2022). *Dao động phi tuyến của vỏ thoải hai độ cong composite 3 pha có lớp ngoài là vật liệu có tính chất điện từ trường đàn hồi.* Tuyển tập công trình Hội nghị Cơ học toàn quốc lần thứ 11, ngày 2-3/12/2022. Hanoi, trang 472-481**.**

403. **Ngo Dinh Dat, Nguyen Dinh Duc** (2023). *Nonlinear Vibration of Function Graded Magneto-electro-elastic Microplates using Nonlocal Stress Theory*. VNU Journal of Science: Mathematics-Physics, Vol. 39 (4), 1-13.

404. **Vu Minh Anh, Ngo Dinh Dat, Nguyen Dinh Duc** (2023). *Buckling and Post-buckling of Sandwich Plate with Functionally Graded Graphene Origami Reinforced Core Layer in Hygrothermal Environment.* VNU Journal of Science: Mathematics-Physics, Vol. 39 (4), 14-25.

405. **Nguyen Dinh Duc, Nguyen Van Thuong** (2023). *Adhesive contact between two-dimensional anisotropic elastic bodies*. Vietnam Journal of Mechanics, Vol. 45 (4), pp.318-333.

406. **Nguyen Van Thuong, Do Thi Thu Ha, Nguyen Van Luan, Nguyen Dinh Duc** (2024). *Non-slipping contact of anisotropic piezoelectric solids with the presence of mismatch strain*. Proceeding of the National Conference of Engineering Mechanics celebrates 40th anniversary of the Institute of Mechanics, Hanoi, April 2024. p. 524-529.

407. **Nguyen Van Huong, Pham Hong Cong, Nguyen Dinh Duc** (2024). *Nonlinear Vibration of MEE sandwich composite plate resting on elastic foundations.* Proceeding of the National Conference of Engineering Mechanics celebrates 40th anniversary of the Institute of Mechanics, Hanoi, April 2024, p.461-468.

408. **Hung Nguyen Van, Duc Dinh Nguyen, Tam Nguyen Trong, Duong Le Thuy** (2024). *The residual displacement of the existing TBM tunnel after underground culvert construction: a 3D finite element* analysis and field monitoring – A case study of Ho Chi Minh City urban railway Line 1. Lecture Notes in Civil Engineering, ISBN

978-981-99-9721-3, Proceeding of the 5th International Conferences GEOTEC HANOI 2023 on "Geotechnics for Sustainable Infrastructure Development", 14-15 Dec, 2023 Hanoi, Vietnam, eBook (Scopus): Springer, ISBN 978-981-99-9722-0, https://doi.org/10.1007/978-981-99-9722-0, p.623-633

409. **Nguyen, X.T., Nguyen, D.D., Nguyen, V.** (2025). *A Boundary Element Method for Indentation of a Rigid Indenter and a Layer-Auxetic BCS Substrate.* In: Le Thi, H.A., Le, H.M., Nguyen, Q.T. (eds) Advances in Data Science and Optimization of Complex Systems. ICAMCS (the International Conference on Applied Mathematics and Computer Science) 2024. Lecture Notes in Networks and Systems, vol 1311. Springer, Cham. https://doi.org/10.1007/978-3-031-90606-0_31.

410. **Dinh Van Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2025). *Nonlinear Vibration of Three-Phase Composite Cylindrical Panels Utilizing Reddy's Higher-Order Shear Deformation Shell Theory*. VNU Journal of Science: Mathematics-Physics, Vol. 41, N1 (2025), 81-104.

411. **Nguyen Van Luan, Pham Dinh Nguyen, Ngo Dinh Dat, Vu Minh Anh, Nguyen Dinh Duc, Nguyen Van Thuong** (2025). *Indentation Response of the Auxetic Bone-inspired Cellular Structure Materials.* VNU Journal of Science: Mathematics-Physics, Vol. 41, N2 (2025), 75-83.

412. **Dai Tran Le Vuong, Viet Vu Duc, Bao Minh Phuong Long, Hung Pham Xuan, Dat Tran Vuong Quoc, Thanh Nguyen Ha, Linh Nguyen Khanh, Khoa Nguyen Dinh, Cuong Do Duy, Duc Nguyen Dinh** (2025). *Application of Artification Intelligence in Healthcare in Vietnam: A scoping review of current status and future research directions.* VNU Journal of Science: Medical and Pharmaceutical Sciences, Vol.41,N3 (2025), 1-15.

413. **Faria Quentin, Dung Viet Duong, Nguyen Dinh Duc** (2025). *Numerical Modeling of Turbulent Flows Influencing the Dispersion of Atmospheric Pollutants Around a High-Rise Building in an Urban Environment.* VNU Journal of Science: Mathematics-Physics, Vol. 41, N3 (2025), 1-20.

414. **Thinh Nguyen The, Dung Nguyen Tien, Duc Nguyen Dinh** (2025). *Evaluation of some methods to determine preconsolidation stress for soft clay in the Red river delta of Vietnam.* Proceeding of the XVI National Scientific Conference on Solid Mechanics, Thai Nguyen University of Technology, Thai Nguyen University - Thai Nguyen Province, 28-29 November 2025, pp. 719-728.

415. **Le Anh Loi, Nguyen Dinh Duc, Pham Dinh Nguyen** (2025). *Bending Analysis of Bio-inspired Helicoidal Laminated Plates using Finite Element Method.* Proceding of the 8th International Conference on Engineering Mechanics and Automation (ICEMA 2025, Hanoi, November 14-15, 2025), https://doi.org/10.15625/vap.2026.0033.

416. **Nguyen Trung Duc, Nguyen Dinh Duc, Pham Dinh Nguyen** (2025). *Finite Element Analysis of Free Vibrations in Bio-inspired Laminated Composite Plates via FSDT.* Proceding of the 8th International Conference on Engineering Mechanics and Automation (ICEMA 2025, Hanoi, November 14-15, 2025), https://doi.org/10.15625/vap.2026.0034.

417. **Thu Pham Van, Du Vu Van, Binh Trinh Van, Duc Nguyen Dinh** (2025). *Study on buckling of Sandwich panels used in Composite shipbuilding*. Proceding of the 8th International Conference on Engineering Mechanics and Automation (ICEMA 2025, Hanoi, November 14-15, 2025), https://doi.org/10.15625/vap.2026.0032.

418. **Nguyen Van Huong, Pham Hong Cong, Nguyen Dinh Duc** (2025). *Dynamic instability region of cylindrical sandwich electromagnetic nanoshell with graphene nanoplatelet-reinforced porous polymer matrix cores in a thermal environment.* Proceding of the 8th International Conference on Engineering Mechanics and Automation (ICEMA 2025, Hanoi, November 14-15, 2025), https://doi.org/10.15625/vap.2026.0036.

419. **Dinh Van Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2025). *Nonlinear thermomechanical postbuckling of imperfect three-phase composite plate on elastic foundations in thermal environment*. Proceding of the 8th International Conference on Engineering Mechanics and Automation (ICEMA 2025, Hanoi, November 14-15, 2025), https://doi.org/10.15625/vap.2026.0040.

420. **Dinh Van Dat, Tran Quoc Quan, Nguyen Dinh Duc** (2025). *Nonlinear vibration of three-phase composite sandwich plate on elastic foundations.* Proceding of the 8th International Conference on Engineering Mechanics and Automation (ICEMA 2025, Hanoi, November 14-15, 2025), https://doi.org/10.15625/vap.2026.0041

421. **Pham Hong Cong, Nguyen Van Huong, Nguyen Dinh Duc, Trinh Minh Chien** (2026). *Dynamic instability of double curved shallow sandwich electromagnetic shell with a three-phase nanocomposite core.* Vietnam Journal of Mechanics, DOI: https://doi.org/10.15625/0866-7136/23920.

422. **Nguyen Xuan Thanh, Nguyen Dinh Duc, Nguyen Van Thuong** (2026). *Solving Problems with the Functionally Graded Anisotropic Piezoelectric Plates Via a BFEM.* VNU Journal of Science: Mathematics-Physics, https//doi.org/10.25073/2588-1124/vnumap.5126.

423. **Bui Huy Quang, Nguyen Dinh Duc (**2026). *Selection of a Tunnel Boring Machine (TBM): A Case Study of Hanoi Metro Line 2 (Nam Thang Long–Tran Hung Dao).* VNU Journal of Science: Mathematics-Physics. Accepted for publication.

8. INVENTIONS AND PATENTS

1. Diplome of Invention N120 “The law of changes mechanical strength three-phase composite 3D by actions of spherical inclusions”. Moscow, Russia, 1999.

2. Patent N1348 “Polymer composite materials with fiberglass" of National Office of Intellectual Property of Vietnam, Jan. 2016.
3. Patent Application: “A three-phase sandwich composite material for applications in ship structures, offshore structures, and wind energy systems, and a manufacturing process for this material”. The patent application has been accepted as valid by the Intellectual Property Office of Vietnam and the information was published by the Industrial Property Official Gazette in August 2026.
4. Patent Application: “Auxetic honeycomb structural material with a negative Poisson’s ratio”. The patent application has been accepted as valid by the Intellectual Property Office of Vietnam and the information was published by the Industrial Property Official Gazette in August 2026.

9. MAIN SUPERVISIONS FOR PhD STUDENTS: 26

1. PhD Hoang Van Tung (2007-2010), thesis title: “Elastic stability of functionally graded (FGM) plates and shells ” - Main supervisor (completed in 2010).
2. PhD Dinh Khac Minh (2007-2010), thesis title: “Bending analysis for three phase composite plates in shipbuilding industry” - Main supervisor (completed in 2010).
3. PhD Tran Quoc Quan, thesis title: “Nonlinear static and dynamic stability of FGM double curved thin shallow shells on elastic foundation”, University of Engineering and Technology, Vietnam National University, Hanoi – Main supervisor (completed in 2018).
4. PhD Vu Thi Thuy Anh, thesis title: “Nonlinear stability analysis for FGM spherical shells”, University of Engineering and Technology, Vietnam National University, Hanoi – Main supervisor (completed in 2017).
5. PhD Pham Van Thu, thesis title: “Nonlinear stability of the plates in wing-manufaction for small composite hydrofoils in Vietnam” Institute of shipbuilding – Nha Trang University, Main supervisor (completed in 2020).
6. PhD Pham Hong Cong. thesis title: “Nonlinear static and dynamic stability of FGM plates”, University of Engineering and Technology, Vietnam National University, Hanoi, Main supervisor (completed in 2018).
7. PhD Nguyen Van Thanh, thesis title: “Stability and nonlinear response of functionally graded nanotube-reinforced composite structures” - Main supervisor (completed in 2022).
8. PhD Pham Minh Phuc, thesis title: “Studying effects of cracks in the FGM plates using Phase-Field theory” - Main supervisor (completed in 2022).
9. PhD Nguyen Dinh Du, thesis title: “CFEM for elastic and composite structures with crack” - Main supervisor (completed in 2022).

10. PhD Pham Minh Vuong, thesis title: “Nonlinear static and dynamic response of FGM toroidal shell segments using Third order shear deformation theory” - Main supervisor (completed in 2022).
11. PhD Do Quang Chan, thesis title: “Stability analysis of FGM conical shells” - Main supervisor (completed in 2019).
12. PhD student: Pham The Dung, MOST, Vietnam – Main supervisor (completed in 2019).
13. PhD student: Hoang Trong Nghia, VNU – Hanoi, Main supervisor (completed in 2020).
14. PhD student: Nguyen Thi Thu Ha, Main supervisor, MOST, Vietnam (completed in 2023).
15. PhD student: Pham Dinh Nguyen, University of Engineering and Technology, VNU, Hanoi – Main supervisor (completed in 2024).
16. PhD student: Ngo Dinh Dat, University of Engineering and Technology, VNU Hanoi, Main supervisor.
17. PhD student: Vu Minh Anh, University of Engineering and Technology, VNU Hanoi, Main supervisor.
18. PhD student: Dinh Van Dat, University of Engineering and Technology, VNU Hanoi, Main supervisor.
19. PhD student: Nguyen Van Huong, University of Engineering and Technology, VNU Hanoi, Main supervisor.
20. PhD student: Vu Van Du, Nha Trang University, Main supervisor.
21. PhD Student: Nguyen Van Luan, Thai Nguyen University, Main supervisor.
22. PhD student: Nguyen Xuan Thanh, Thai Nguyen University, Main supervisor.
23. PhD student: Hoang The Thinh, Thai Nguyen University, Main supervisor.
24. PhD student: Do Thi Thu Ha, University of Engineering and Technology, VNU Hanoi, Main supervisor.
25. PhD student: Nguyen Ngoc Nhi, Hanoi University of Civil Engineering, Co-supervisor.
26. PhD student: Vu Tien Dat, Viettel Company, Main supervisor.

10. RESEARCH GRANTS

1. National-level project: “Research, application, and development of modern computational methods in the design and manufacturing of composite materials subjected to special loads,” Code: ĐTĐLCN.08/25 (2025-2028).

2. Grant UK-Viet Nam iTechPath of British Council with Kingston University: AI-Driven Design and Optimization of Wind Turbine Structures Using Machine Learning and PINNs (2025-2026).

3. Grant of NAFOSTED code 107.02-2023.21 (2024-2026) in Mechanics

4. Grant code QG.24.119 of Vietnam National University, Hanoi (2024-2025).

5. Grant CN.24.03 of VNU Hanoi – University of Engineering and Technology (2024-2025).

6. Grant QG.23.65 of Vietnam National University, Hanoi (2023-2024).

7. Grant CN.22.11 of VNU Hanoi – University of Engineering and Technology (2022-2024).

8. Grant CN.21.06 of VNU Hanoi – University of Engineering and Technology (2021-2022).

9. Grant QG.21.25 of Vietnam National University, Hanoi (2021-2022)

10. Grant DA.20.01 of VNU Hanoi – University of Engineering and Technology (2020-2021)

11. Government Grant number KHGD/16-20.ĐT.032 of National Science and Technology Program of Vietnam for the period of 2016-2020 "Research and development of science education to meet the requirements of fundamental and comprehensive reform education of Vietnam" (2018-2020).

12. Grant of NAFOSTED in Mechanics: "Nonlinear static and dynamic analysis of functionally graded nanocomposite plates and shells reinforced by carbon nanotubes'', Code 107.02-2018.04 (2018-2020).

13. Grant of VNU, Hanoi: "Investigation on stability and vibration of FGM structures", "Phase-Field theory for study of buckling and free vibration of cracked FGM plate", Code QG.17.45 (2017-2018).

14. Grant of NAFOSTED in Mechanics: "Nonlinear stability analysis of FGM structures subjected to special loads", Code 107.02-2015.03 (2016-2018).

15. Grant of Newton Fund Code NRCP1516/1/68 (The Royal Academy of Engineering – UK) in Cooperation with University of Birmingham: "UK-Vietnam collaboration on a study of Mechanical Engineering and Advanced material science: Functionally Graded (FGM) plates and shells; three phase nanocomposite" (2016-2017).

16. Project of Vietnam National University, Hanoi: "Nonlinear analysis on stability and dynamics of functionally graded shells with special shapes" (2014-2015), code QG.14.02.

17. Project in Mechanics of NAFOSTED: "Nonlinear dynamic and static stability analysis of double curved shallow FGM shells on elastic foundation", Code 107.02–2013.06 (2013-2015).

18. Project of Vietnam National University, Hanoi “Research and Manufacturing 3 phase polymer composite for shipbuilding industry in Vietnam”, Code QGDA 12.03 (2012-2013).
19. Project in Mechanics of NAFOSTED: "Nonlinear analysis of stability for functionally graded plates and shells", Code 107.02–2010.08 (2010-2012)
20. Key project of Vietnam National University, Hanoi: "Calculating for composite materials and structures" code QGTD 09.01 (2009-2010)
21. Project of Vietnam National University, Hanoi "Determining thermal expansion coefficient of composite reinforced by aligned fibre" Code QT.08.68 (2008)
22. Project of Vietnam National University, Hanoi "Three phase polymer composite", Code: QT.06-48 (2006)
23. Special Project of Vietnam National University, Hanoi “Mechanics of composite materials oriented on application” code QG.04.27 (2004-2005)

11. HONOURS AND AWARDS

- Wards for ‘’Best paper’’ at ACCMS TM 2018

- Certificate of Merit granted by Minister of Education, 1983

- Certificate of Merit granted by Central Youth Union of Vietnam, 1983

- Kapitxui Silver Medal granted by Russian Academy of Natural sciences for science inventing, 1999

- Certificate of Merit granted by VNU President in 2006, 2007, 2009, 2011, 2013, 2014, 2015, 2016, 2018, 2020, 2021, 2022, 2023, 2024, 2025.

- Certificate of Merit granted by the Prime Minister of Vietnam, 2009 and 2025

- Third class Labor Medal granted by the President of Vietnam, 2016

- Certificate of Merit granted by the Minister of Education of Vietnam, 2019

- Second class Labor Medal granted by the President of Vietnam, 2022

- In 2022, Prof. Nguyen Dinh Duc is one of the three professors of VNU who was voted by the Ministry of Education and Training as the best typical lecturer of Vietnamese education on the occasion of 40 years of Vietnam's educational career (1982-2022).

Awards:

- 3rd prize of Vietnamese Talents 2008 for the product "Design and manufacture of inertial navigation system for controlled moving vehicles".

- Award "Lecturer of Hanoi National University" in 2022, Award "For the cause of education" of IMG Group in 2022.

- Bao Son Award 2024 in Engineering and Technology.

- In 2022, Prof. Nguyen Dinh Duc is one of the three professors of VNU who was voted by the Ministry of Education and Training as the best typical lecturer of Vietnamese education on the occasion of 40 years of Vietnam's educational career (1982-2022).

- Honored as an Outstanding Vietnamese Intellectual in Science and Technology in 2024 and awarded a Certificate of Merit by the Presidium of the Vietnam Union of Science and Technology Associations (VUSTA).

- Professor Nguyen Dinh Duc was announced by the US magazine PLoS Biology to be in the list of the top 10,000 greatest influential scientists in the world in 2019, 2020, 2021, 2022, 2023, 2024 and 2025.

- Top 100 scientists – ranking 74 in the world with the greatest influence in Engineering in 2024 and ranking 51 in 2025.

-In particular, in 2020, 2021, 2022, 2023, 2024, 2025 he was one of the few Vietnamese scientists working locally in the country has entered the most prestigious ranking - 100,000 scientists are ranked to greatest influence the world according to lifelong achievements.

- The top 100 outstanding researchers in Asia in 2026, as selected and published by Asian Scientist magazine (Singapore).

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