



**Professor Hessameddin Yaghoobi**

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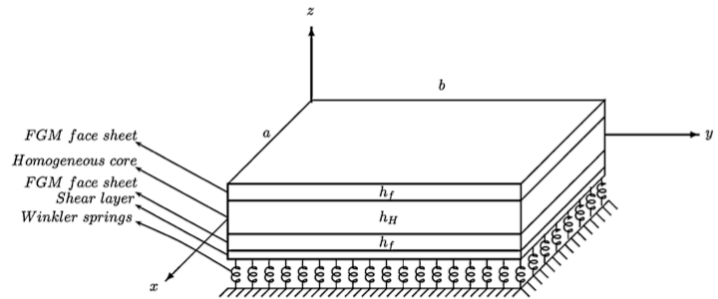
[https://www.researchgate.net/profile/Hessameddin\\_Yaghoobi](https://www.researchgate.net/profile/Hessameddin_Yaghoobi)

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**Selected Publications:**

- Naieni, A.K.; Yaghoobi, P.; Woodsworth, D.J.; Nojeh, A. Structural deformations and current oscillations in armchair-carbon nanotube cross devices: A theoretical study. *J. Phys. D Appl. Phys.* 2011, 44, 085402.
- Yaghoobi, H., Fereidoon, A., Eslami, M.R.: Thermal buckling of axially functionally graded cylindrical shells. *J. Thermal Stress.* 34(12), 1250–1270 (2011)
- M. Rafiee, M. Mohammadi, B. Sobhani Aragh, H. Yaghoobi, Nonlinear free and forced thermo-electro-aero-elastic vibration and dynamic response of piezo-electric functionally graded laminated composite shells, Part I: theory and analytical solutions, *Composite Structures* 103 (2013) 179–187.
- M. Rafiee, M. Mohammadi, B. Sobhani Aragh, H. Yaghoobi, Nonlinear free and forced thermo-electro-aero-elastic vibration and dynamic response of piezo-electric functionally graded laminated composite shells: Part II: numerical results, *Composite Structures* 103 (2013) 188–196.
- Yaghoobi, H. and Rajabi, I. (2013), "Buckling analysis of three-layered rectangular plate with piezoelectric layers", *J. Theo. Appl. Mech.*, 51, 813-826.
- H. Yaghoobi and M. Torabi, "Exact solution for thermal buckling of functionally graded plates resting on elastic foundations with various boundary conditions," *J. Therm. Stresses*, vol. 36, no. 9, pp. 869–894, 2013
- H. Yaghoobi and P. Yaghoobi, "Buckling analysis of sandwich plates with FGM face sheets resting on elastic foundation with various boundary conditions: an analytical approach," *Meccanica*, vol. 48, no. 8, pp. 2019–2035, 2013
- Yaghoobi, H., Torabi, M.: Post-buckling and nonlinear free vibration analysis of geometrically imperfect functionally graded beams resting on nonlinear elastic foundation. *Appl. Math. Model* 37, 8324–8340 (2013)



**Fig. 1** Coordinate system and geometry of three-layered FGM sandwich plates over an elastic foundation

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Yaghoobi H, Fereidoon A (2014) Mechanical and thermal buckling analysis of functionally graded plates resting on elastic foundations: an assessment of a simple refined nth-order shear deformation theory. *Compos Part B Eng* 62:54–64

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