

Book Authoured :**1. Complex Variable, Schaum's Outlines (SIE),****Authors:** Murray R Spiegel, Seymour Lipschutz, John J Schiller, Dennis Spellman and **Shishir Gupta****Publisher:** Tata McGraw Hill Education Pvt. Ltd**2. Numerical Methods****Authors:** Sukhendu Dey and **Shishir Gupta****Publisher:** McGraw Hill Education (India) Pvt. Ltd.**Publications in Peer reviewed Journals(Total Publications : 180, SCIE-Indexed: 151)**

1. Gupta, S., Dutta, R., & Das, S. (2024). Flexoelectric effect on SH-wave propagation in functionally graded fractured porous sedimentary rocks with interfacial irregularity. *Journal of Vibration Engineering & Technologies*, 12(1), 1067-1087. **(JIF Quartile Q2, I.F.-2.7)**
2. Bhengra, N., Kumhar, R. **Gupta, S.**, Kundu S. (2023) Vibrations analysis of propagation of SH-type wave influenced by a point source in a porous piezoelectric layered structure by Green's function approach , J. Earth Syst. Sci. 132:135, **(Impact Factor 1.912 , JCR Rank Q3)**
3. Dutta, R., Das, S., **Gupta, S.**, Singh, A., Choudhary, H. (2023) Nonlocal fiber-reinforced double porous material structure under fractional-order heat and mass transfer, *International Journal of Numerical Methods for Heat and Fluid Flow*. **(JIF Quartile Q1, I.F.- 5.181)** (Accepted)
4. Kumari, C., Kundu, S., Maity, M., & Gupta, S. (2023). Analytical study of electro-mechanical parameters on Love wave in an imperfectly bonded VPCM layered structure. *Mechanics Based Design of Structures and Machines*, 51(10), 5510-5530. **(JIF Quartile Q1, I.F.- 3.9)**
5. Gupta, S., Dutta, R., & Das, S. (2023). Memory response in a nonlocal micropolar double porous thermoelastic medium with variable conductivity under Moore-Gibson-Thompson thermoelasticity theory. *Journal of Ocean Engineering and Science*, 8(3), 263-277. **(JIF Quartile Q1, I.F.- 7.1)**
6. Kumar, D., Kumhar, R., Kundu, S., & Gupta, S. (2023). Analysis the dispersive nature of Love wave in fibre-reinforced composite materials plate: A Green's function approach. *Mathematical Methods in the Applied Sciences*, 46(4), 3445-3462. **(JIF Quartile Q1, I.F.- 2.9)**
7. **Gupta, S.**, Dutta, R. Das, S. , Verma, AK. (2023), Double poro-magneto-thermoelastic model with micro-temperatures and initial stress under memory-dependent heat transfer, *Journal of Thermal Stresses*, 46(8), 743-774. **(JIF Quartile Q2, I.F.-2.8)**
8. **Gupta, S.**, Dutta, R. Das, S. (2023), Flexoelectric Efect on SH-Wave Propagation in Functionally Graded Fractured Porous Sedimentary Rocks with Interfacial Irregularity, *Journal of Vibration Engineering & Technologies*, 12(1), 1067-1087. **(JIF Quartile Q2, I.F.-**

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9. Rajak, B.P., Kundu, S., **Gupta, S.** (2023) Study of the dynamic electro-mechanical and microstructural behaviour on the elastic wave in FGM/FGPM composite structure: WKB asymptotic approach, ***Waves in Random and Complex Media***, 1-33. DOI: 10.1080/17455030.2023.2226782. ***JCR Quartile-Q1 Impact Factor 4.853***
10. **Gupta, S.**, Dutta, R., Das, S. (2022) Photothermal excitation of an initially stressed nonlocal semiconducting double porous thermoelastic material under fractional order triple-phase-lag theory. ***International Journal of Numerical Methods for Heat & Fluid Flow***, 32(12), 3697-3725. ***(SCIE & JIF Quartile Q1 Impact Factor 5.181)***
11. **Gupta, S.**, Das, S. K., Pramanik, S. (2022) Reflection and transmission phenomena of SH waves in fluid saturated porous medium with corrugated interface. ***Mechanics of Advanced Materials and Structures***, 29(26), 5122-5141. ***(SCIE Enlisted & JIF Quartile Q2) Impact Factor 3.338***
12. **Gupta, S.**, Das, S., Dutta, R., Verma, A. K. (2022). Higher-order fractional and memory response in nonlocal double poro-magneto-thermoelastic medium with temperature-dependent properties excited by laser pulse. ***Journal of Ocean Engineering and Science***. ***Impact Factor 4.803 , JCR Rank Q1***
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