

## الأبحاث العلمية للدكتور علي بن حامد العمري

### Published Papers:

- 1- Bone volume fraction and structural parameters for estimation of mechanical stiffness and failure load of human cancellous bone samples; in-vitro comparison of ultrasound transit time spectroscopy and X-ray  $\mu$ CT; [Alomari, A. H.](#), Wille, M. L., & Langton, C. M. (2018); Bone, 107, 145-153.
- 2- The dependence of broadband ultrasound attenuation on phase interference in thin plates of variable thickness and curvature: a comparison of experimental measurement and computer simulation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine; [Alomari, A. H.](#), Wille, M. L., & Langton, C. M. (2018); 232(5), 468-478;
- 3- Soft-tissue thickness compensation for ultrasound transit time spectroscopy estimated bone volume fraction—an experimental replication study. Biomedical Physics & Engineering Express, 3(4), 045013; [Alomari, A. H.](#), Wille, M. L., & Langton, C. M. (2017).
- 4- Magnetic and Magneto-Transport Properties of the Sb Doping Mn Site in  $\text{La}_{0.67}\text{Ba}_{0.33}\text{Mn}_{1-x}\text{Sb}_x\text{O}_3$  (0.03 and 0.07) Manganites Abdelbaki Guedri, [Ali Alomari](#), Sobhi Hcini, Abdessalem Dhahri; Journal low temperatures of physics (2019)DOI : 10.1007/s10909-019-02237-z