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Mehmet Cevri, Dursun Ustundag

*Keywords: genetic risk assessment, Bayesian inference, cystic fibrosis, Mathematica, autosomal recessive disorders*

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#### **Determination of Free Surface Energy of Synovial Human Fluid in Biomaterials**

Gilberto Piña Piña, José María Rodríguez Lelis, Victor Hugo Olivares Peregrino, Justo Juvenal Solano Pérez, Francisco Lima Santo, Enrique Alonso Velazquez

*Keywords: synovial fluid, knee arthroplasty, free surface energy, biomaterials, contact angle, PTFE, Co-Cr-Mo*

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Punit Gupta, Itishree Pandey

*Keywords: Diabetic nephropathy, Coronary angiography, Renal angiography, Cardiovascular disease, Echocardiography, Tribal health, Central India*

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Dimitar Yovchev, Hristina Mihaylova, Pavel Stanimirov, Angela Gusiyska

*Keywords: Accessory Mental Foramen, Cone-Beam Computed Tomography, Mandible, Mental Foramen, Neurovascular Damage*

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Slimane Sefian, Mohmed Benbouziane, Hadj Bourouba

*Keywords: Cuckoo Optimization Algorithm, financial portfolio optimization, heuristic methods, genetic algorithm, ant colony optimization, investment strategies*

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Eric R. Pianka

*Keywords: human nature, evolution, cognitive ability, instincts, adaptation, survival, behavior*

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Davood Mohamadi, Iraj Mahdavi

*Keywords: electronic marketing, SMEs, marketing performance, marketing effectiveness, Iranian real estate, pre-sales activities, post-sales activities*

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**8.**

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H. L. Tiwari, Ashish Dongre

*Keywords: stilling basin, hydraulic structures, pipe outlet, Froude number, flow energy dissipation, high-velocity flow, experimental investigation*

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**9.**

### **Algunas aproximaciones al concepto de identidad cultural**

Yanerkis Díaz Ozuna, Yurianna Cordero Rodríguez

*Keywords: identidad cultural, homogeneización cultural, transnacionales, ensayística literaria, crítica cultural*