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Keywords: dark matter, galactic evolution, star formation, baryonic matter, haloes, simulations

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Suman Acharya, Amir Khalaf, María Estela Rivera

Keywords: nonlinear PDEs, computational techniques, machine learning, numerical methods, hybrid framework, applied mathematics

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Karim El-Badry, Priya Wijesinghe, Carlos Mendoza

Keywords: electrochemical sensors, trace metals, nanomaterials, analytical chemistry, environmental monitoring, sensor development

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Emeka Okoro, Hanae Yamamoto, Carlos Fernández

Keywords: biodiversity, habitat fragmentation, conservation strategies, community engagement, ecosystem services, geospatial technologies

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Linda Černá, Hiroshi Tanaka, Fatima Al-Mansouri

Keywords: entropy, thermodynamics, multi-phase systems, PC-SAFT, EOS-F, computational simulation, energy efficiency

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Isabella Müller, Hiroshi Tanaka, Amina Al-Farsi, Carlos Mendes

Keywords: antimicrobial resistance, Enterobacteriaceae, Staphylococcus aureus, surveillance, global health, bacterial isolates

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Keywords: Cognitive Behavioral Therapy, cross-cultural psychology, treatment efficacy, cultural variations, psychological interventions, anxiety, depression, coping mechanisms

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Ajit Maharjan, Leila Aghdam, Amara Moyo

Keywords: e-learning, educational outcomes, student engagement, digital infrastructure, mixed-methods, academic performance