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Keywords: dark matter, gravitational lensing, galactic clusters, mass distribution, velocity dispersion, dark matter interactions

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Li Wei, Amina El-Sayed, Juan Carlos Mendoza

Keywords: climate change, agricultural sustainability, economic adaptation, regional analysis, resource management, policy development

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Katarzyna Nowak, Arun Basnet, Fatima Nalubega

Keywords: RNA processing, splicing, RNA-binding proteins, gene expression, polyadenylation, therapeutic targets

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Rajesh Kumar, Layla Al-Khafaji, Carlos Mendes

Keywords: bacterial pathogenesis, biofilm formation, antibiotic resistance, Pseudomonas aeruginosa, Staphylococcus aureus, genetic markers

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Elena Vasquez, Hiroshi Tanaka, Ahmed Al-Mansoori

Keywords: curriculum development, multicultural education, culturally responsive teaching, global learning, educational collaboration, cross-cultural competencies

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Dimitrios Theodorou, Niazi Al-Mansoori, Chipso Mwansa

Keywords: biodiversity, climate change, tropical ecosystems, remote sensing, habitat suitability, species distribution

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Rina Wijaya, Luis Felipe Gómez, Amina El-Mahdi

Keywords: thermodynamic cycles, energy efficiency, simulation models, power generation, refrigeration systems, sustainable development

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Eleni Papadopoulou, Liang Wei, Fatima Al-Zahraa, Carlos Ncube

Keywords: polynomial factorization, Berlekamp algorithm, algebraic structures, computational methods, machine learning, hybrid models