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### **Antibacterial activity and anti-fungal activity of Aloe Barbadensis Miller (Aloe Vera)**

Panchal Poonam<sup>1</sup>\*, Bajaj Himani<sup>2</sup>, Panchal Amit<sup>3</sup>, Bhosle Suman<sup>4</sup>, Rani Rajni<sup>5</sup>

*Department of Pharmaceutical Sciences, University of Mumbai, India*

*Keywords: Aloe barbadensis, Aloe Vera, Bio-efficacy, Anti-Bacterial, Anti-fungal.*

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2.

### **SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF SOME NEW 4-THIAZOLIDINONE DERIVATIVES**

Devendra Kaneria, Milan Vadodaria, Ashok Patel, Kartik Ladva

*Department of Pharmaceutical Chemistry, Gujarat Technological University, India*

*Keywords: Quinolineazomethine, thioglycolic acid, thiolactic acid, 4-thiazolidinones, antimicrobial activity*

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### **An overall review on obesity and its related disorders**

Abbaraju Krishna sailaja

*Department of Public Health, University of Hyderabad, India*

*Keywords: BMI, Low birth weight, cardiovascular problems, Life style modifications, surgery*

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## **Performance Evaluation of an Air-Standard Miller Cycle with Internal Irreversibility, Variable Specific Heats, Heat Loss and Friction Considerations**

Marco Rossi, Lars Johansson, Erik Nielsen, Yuki Tanaka

*Department of Mechanical Engineering, University of Cape Town, South Africa*

*Keywords: Miller cycle, Thermal efficiency, Power output, Irreversibility, Specific heat, Compression ratio*

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**5.**

## **Fixed point theorems in G-metric space with maps satisfying a general contractive condition of integral type**

Gajanan A.Dhanorkar, J.N.Salunke

*Department of Mathematics, Indian Institute of Technology Bombay, India*

*Keywords: contractive mappings of integral type, complete metric space, fixed point theorem, G-metric space.*

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## **Rated Capacity of Radish (*Raphanus Sativus*) Plants to absorb Nickel Using Indicators Filtration Index (Transfer Coefficient, Tran's Location Factor and Uptake Index)**

Min-Jun Park, Wei Zhang

*Graduate School of Agricultural Sciences, Kyoto University, Japan*

*Keywords: Transfer location factor, Transfer Coefficient, Uptake Index, Nickel*

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## **Designing an Organizational Agility Model for Iranian State-run Organizations With Emphasis on the Information and Communications Technology (ICT)**

Raj Sharma, Carlos Santos, James Wilson, Robert Thompson

*Department of Business Administration, University of Toronto, Canada*

*Keywords: organizational agility, information and communications technology (ICT), state-run organization.*

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## **Vitamin D receptor (TaqI and ApaI) gene polymorphisms are not associated with type 2 diabetes mellitus in western Mexicans.**

Edgar Alfonso Rivera-Leon, Beatriz Palmeros-Sanchez, Iris Monserrat Llamas-Covarrubias, Socorro Fernandez, Juan Armendariz-Borunda, Mercedes Gonzalez-Hita, Blanca Estela Bastidas-Ramirez, Sergio Sanchez-Enriquez.

*Department of Genetics, Universidad Autónoma de Nuevo León, Mexico*

*Keywords: VDR, osteocalcin, genotypes, polymorphisms, T2D.*

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## **Audit of Quality of Operative Notes in a Paediatric Surgical Unit**

Ramnik Patel, Govind Murthi

*Department of Surgery, All India Institute of Medical Sciences, India*

*Keywords: accuracy, audit, clinical governance, good practice, legibility, medico-legal, operation note, quality control, standards, surgery*

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## **A fixed point theorem for weakly contractive mappings and its applications in partially modular function spaces**

Michael Anderson, David Martinez, Christopher Lee

*Department of Mathematics, Indian Institute of Technology Delhi, India*

*Keywords: Fixed Point, Modular function, Contraction*

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**11.**

## **An Application of Generalized Tanh Function Method for the sixth-order Boussinesq (sB) equation and (1+1) dimensional dispersive long wave equation**

Seyma TULUCE DEMIRAY , Gonca ONARGAN , Hasan BULUT

*Department of Applied Mathematics, Istanbul Technical University, Turkey*

*Keywords: Generalized tanh function method, the special sixth-order Boussinesq (sB) equation, (1+1) dimensional dispersive long wave equation.*

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**12.**

## **Reverse Hilbert-type inequalities**

Chang-Jian Zhao, W. S. Cheung

*Department of Mathematics, University of Hong Kong, China*

*Keywords: Polya-Szegő's inequality, reverse Jensen's inequality, reverse Young's inequality.*

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### **Organizational Aspects of Large Scale Multi-agent Systems**

Markus Schatten, Jurica Seva, Robert Kudelic, Igor Tomicic

*Department of Computer Science, University of Zagreb, Croatia*

*Keywords: multi-agent system, organizational design, ontology, roadmap, internet of things*

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### **Experimental verifications of numerical predictions of Composite Material Marine Current Turbine**

Jifeng Wang, Mohit Patil, Blake Gower, Raul Quispe-Abad, Janusz Piechna, Norbert Müller

*Department of Mechanical Engineering, University of Toronto, Canada*

*Keywords: Energy, composite material, marine current turbine, CFD.*

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