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Entrepreneurship: Evaluating
Micro Ultrasonic Biodiesel
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Criminal Responsibility and Children who Kill: *A Neurocriminology Perspective*

E. Singh



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SUSTAINABLE DEVELOPMENT FOR ALL GUYANESE: THE IMPERATIVES OF GOVERNANCE REFORM

Fitzgerald Yaw

ABSTRACT

In the context of the radical shift in Guyana's political economy, generated by the entry of the country into the global oil and gas economy, it should be clear that the country needs 'reengineering'. This is a process that we can conceptualize as a fundamental rethinking and radical redesign of how we manage the country's affairs to bring about a dramatic improvement in performance.

Guyana's structures of government are based on the winner taking all in a dangerously fractured society. Guyanese are generally aware of the need for change in the country's governance structures to allow for inclusive governance. The old models and constitutional formulas have outlived their usefulness. Attempts at inclusive governance have been made. These have not borne fruit thus, there is a need for organization of civil society to pressure the national politicians to embrace the constitutional reform for inclusive governance project.

Key Words: Constitutional reform; Governance; Development; Democracy; Oil and Gas.

GREEN SOCIAL ENTREPRENEURSHIP: EVALUATING MICRO ULTRASONIC BIODIESEL PRODUCTION IN GUYANA

Nazim Baluch Richard Rambarran

ABSTRACT

The historical perspective suggests that the distinctive conceptions of social enterprise entrepreneurship are deeply rooted in the social, economic, political and cultural contexts in which these organizations emerge. The primary mission of the social entrepreneur is being one of creating social value by providing solutions to social problems. Green Social MSME are vital in making developmentoriented growth happen, and especially in reaching the most vulnerable population at the grassroot: in addition to economic performance; and for this to materialize it is imperatively vital to incorporate sustainable social and environmental benefits within their business model. This paper characterizes theoretical and applied implications of green social entrepreneurship, discerns that a social value creation mission does not negate nor diminish a focus on economic value, and substantiates that economic value crucial for the sustainability of social entrepreneurial ventures and the creation of social value. The paper concludes that Ultrasonic Micro Biodiesel production, is a viable green renewable energy option for agriculture, transport and power generation that can transform the rural communities of Guyana.

Key Words: Biodiesel; Green Social Entrepreneurship; Green Energy; Inclusive Development; Ultrasonics.

JOB COMMITMENT AND JOB SATISFACTION: A CASE STUDY OF THE EMPLOYEES OF THE NATIONAL INSURANCE SCHEME GUYANA

Hector Edwards Diana Gobin

ABSTRACT

The level of an individual's performance, in the absence of an appropriate assessment instrument, can be estimated by combining variables such as organizational commitment and job satisfaction (Vandenabeele 2009) and public service motivation (Perry and Wise 1990). An earlier study by Edwards (2015b) found that public service motivation exists among employees at The National Insurance Scheme (NIS) Guyana, in two of four dimensions: self-sacrifice and attraction to public policy making.

This paper builds on the earlier study, using the same dataset, with emphasis placed on determining the levels, and type of organizational commitment and job satisfaction among NIS employees. The data was analysed using various statistical analysis tools including Principal Components Analysis, Cronbach's coefficient alpha test, Pearson correlation test, and descriptive statistics. The study found that job satisfaction, affective and normative commitments exist at The NIS. The level of commitment and job satisfaction, at the organization, varied across demographic characteristics such as tenure with the organization and level of education.

Key Words: Job Satisfaction; Affective Commitment; Normative Commitment; National Insurance.

CRIMINAL RESPONSIBILITY AND CHILDREN WHO KILL: A NEUROCRIMINOLOGY PERSPECTIVE

Evelina Singh

ABSTRACT

The past two decades have evidenced a paroxysm of information on the brain which was made possible using powerful brain imaging technologies, such as, Positron Emission Tomography (PET), Magnetic Resonance Imaging (MRI) and Functional Magnetic Resonance Imaging (fMRI). Although mankind is distant from fully comprehending the brain, cognizance must be given to the imperativeness of the brain to the study of criminology. For this reason, this study seeks to explore whether neurocriminology can explicate why some children kill. The study explores the relationship between brain abnormalities and criminal behaviour by examining the prefrontal dysfunction theory. The effect of brain abnormalities on criminal responsibility is also explored through an analysis of the defense of diminished responsibility. Further, the study examines the implications of neurocriminology research on crime prevention policies for children with neuropsychological deficits.

Key Words: Children; Kill; Brain abnormalities; Diminished; Responsibility; Neurocriminology.

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