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AI-Driven Innovations Revolutionizing Cancer Diagnostics: A Medical Engineering Perspective

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Abstract: AI-driven innovations are reshaping the landscape of cancer diagnostics, offering unprecedented opportunities for early detection, precise characterization, and personalized treatment strategies. This paper explores the transformative potential of AI-driven technologies from a medical engineering perspective, highlighting key advancements, challenges, and future directions in cancer diagnostics. In recent years, AI-driven innovations have emerged as powerful tools in the fight against cancer, revolutionizing the way we diagnose and treat this complex disease. By leveraging machine learning algorithms and big data analytics, AI technologies have demonstrated remarkable capabilities in interpreting medical imaging, analyzing genomic data, and predicting treatment outcomes with unprecedented accuracy and efficiency. These advancements have paved the way for earlier detection of cancerous lesions, more precise characterization of tumor subtypes, and tailored treatment regimens tailored to individual patient profiles.

Keywords: AI-driven innovations, Cancer diagnostics, Medical engineering, Early detection, Personalized treatment.

Introduction:

In the realm of healthcare, the fight against cancer stands as one of the most significant challenges of our time. Despite substantial advancements in medical science and technology, cancer continues to exert a profound impact on individuals, families, and communities worldwide. However, amidst this complex landscape, a new era of hope and possibility has emerged through the integration of artificial intelligence (AI) with medical engineering principles, offering transformative solutions to the diagnosis and treatment of cancer. Moreover, the integration of AI-driven technologies into existing medical engineering frameworks has accelerated the development of novel diagnostic modalities and therapeutic interventions, offering new avenues for improving patient outcomes and quality of life. From image-based screening techniques to liquid biopsy assays and molecular imaging probes, AI-driven innovations continue to push the boundaries of what is possible in cancer diagnostics, enabling clinicians to make more informed decisions and deliver personalized care to patients. However, despite the promise of AI-driven innovations in cancer diagnostics, several challenges remain to be addressed. These include data privacy concerns, regulatory hurdles, and the need for robust validation and clinical translation of AI algorithms. Moreover, ensuring equitable access to AI-driven technologies and addressing disparities in healthcare delivery are essential considerations for realizing the full potential of these innovations in improving cancer outcomes on a global scale. In conclusion, AI-driven innovations are poised to revolutionize cancer diagnostics, offering unprecedented opportunities for early detection, precise characterization, and personalized treatment strategies. By harnessing the power of AI technologies within the

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

framework of medical engineering, we can accelerate the pace of innovation, improve diagnostic accuracy, and ultimately transform the way we diagnose and treat cancer. Continued investment in research, collaboration, and regulatory frameworks is essential to overcoming existing challenges and realizing the full potential of AI-driven innovations in cancer diagnostics.

1. **The Burden of Cancer:** Cancer remains a formidable foe, exerting a significant toll on global health and wellbeing. With its multifaceted nature and propensity for metastasis, cancer represents a complex challenge that demands innovative approaches and interdisciplinary collaboration to address effectively. The burden of cancer extends beyond individual patients, impacting healthcare systems, economies, and societies at large.
2. **The Promise of Medical Engineering:** At the forefront of the battle against cancer lies the field of medical engineering, which encompasses a diverse array of technologies and methodologies aimed at improving patient care and outcomes. From advanced imaging modalities to precision-guided therapies, medical engineering holds immense potential for revolutionizing cancer diagnostics and treatment approaches. By leveraging principles from engineering, physics, and biology, medical engineers strive to develop innovative solutions that transcend traditional boundaries and deliver tangible benefits to patients.
3. **The Rise of Artificial Intelligence:** Concurrently, the rise of artificial intelligence has ushered in a new era of innovation in healthcare. AI, with its ability to analyze vast amounts of data, identify patterns, and generate insights, offers unprecedented opportunities for transforming cancer care. Machine learning algorithms, in particular, have demonstrated remarkable capabilities in interpreting medical imaging, analyzing genomic data, and predicting treatment responses, thereby augmenting the capabilities of healthcare professionals and improving clinical decision-making.
4. **Convergence of Medical Engineering and AI:** It is within this context of innovation and opportunity that the convergence of medical engineering and AI emerges as a potent force in the fight against cancer. By harnessing the power of AI within the framework of medical engineering, researchers and clinicians can unlock new frontiers in cancer diagnostics, enabling earlier detection, more precise characterization, and personalized treatment strategies tailored to individual patient needs. This synergistic approach not only enhances the efficacy of existing diagnostic and therapeutic modalities but also fosters the development of novel technologies and interventions that have the potential to redefine the standard of care in oncology.
5. **Scope and Structure of the Paper:** This paper explores the transformative potential of AI-driven innovations within the field of medical engineering, focusing specifically on their impact on cancer diagnostics. Through a comprehensive review of existing literature, analysis of key advancements, and discussion of challenges and future directions, we aim to provide insights into the role of AI in revolutionizing cancer diagnostics. By shedding light on this rapidly evolving field, we hope to inspire further research, collaboration, and innovation towards the shared goal of conquering cancer and improving the lives of patients worldwide.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

Literature Review:

The literature surrounding the integration of artificial intelligence (AI) with medical engineering in the context of cancer diagnostics reflects a dynamic and rapidly evolving landscape characterized by significant advancements, challenges, and future opportunities.

1. Advancements in Imaging Modalities: One of the key areas of innovation lies in the application of AI to medical imaging for cancer diagnostics. Studies have demonstrated the efficacy of AI algorithms in interpreting various imaging modalities, including magnetic resonance imaging (MRI), computed tomography (CT), and positron emission tomography (PET). For instance, AI-based image analysis techniques have shown promise in detecting subtle abnormalities, characterizing tumor morphology, and predicting treatment response, thereby enhancing the accuracy and efficiency of cancer diagnostics.

2. Genomic Data Analysis: In addition to imaging, AI-driven approaches are transforming the analysis of genomic data in cancer diagnostics. By leveraging machine learning algorithms, researchers can analyze large-scale genomic datasets to identify genetic mutations, biomarkers, and molecular signatures associated with different cancer subtypes. These insights not only facilitate more accurate diagnosis and prognosis but also inform personalized treatment strategies tailored to the unique genetic profiles of individual patients.

3. Predictive Modeling and Decision Support Systems: AI-powered predictive modeling and decision support systems represent another area of innovation in cancer diagnostics. These systems integrate clinical data, imaging findings, and genomic information to generate predictive models of disease progression, treatment response, and patient outcomes. By providing clinicians with real-time insights and recommendations, these systems enhance clinical decision-making, optimize treatment planning, and improve patient outcomes.

4. Challenges and Limitations: Despite the promise of AI-driven innovations, several challenges and limitations must be addressed to realize their full potential in cancer diagnostics. These include issues related to data quality and interoperability, algorithm bias and interpretability, regulatory and ethical considerations, and the need for robust validation and clinical translation of AI algorithms. Moreover, disparities in access to AI technologies and concerns about data privacy and security pose additional challenges that must be overcome to ensure equitable and ethical implementation of AI-driven diagnostics.

5. Future Directions and Opportunities: Looking ahead, several opportunities exist for further research and innovation in AI-driven cancer diagnostics. These include the development of multi-modal AI models that integrate imaging, genomic, and clinical data for more comprehensive and accurate diagnostic assessments. Moreover, the exploration of emerging technologies such as federated learning and explainable AI holds promise for addressing challenges related to data privacy, algorithm transparency, and regulatory compliance. Additionally, efforts to enhance collaboration between academia, industry, and regulatory agencies are essential for advancing the field of AI-driven cancer diagnostics and translating research findings into clinical practice.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

Conclusion: In conclusion, the literature review underscores the transformative potential of AI-driven innovations in cancer diagnostics within the framework of medical engineering. By leveraging AI algorithms to analyze imaging and genomic data, develop predictive models, and support clinical decision-making, researchers and clinicians can enhance the accuracy, efficiency, and personalized nature of cancer diagnostics. However, addressing challenges related to data quality, algorithm bias, regulatory compliance, and equitable access remains essential for realizing the full benefits of AI-driven diagnostics and improving patient outcomes in oncology. Continued research, collaboration, and innovation are essential for advancing the field and harnessing the power of AI to conquer cancer.

Table 1: Advancements in Imaging Modalities for Cancer Diagnostics

Study	Imaging Modality	AI Application	Findings
Smith et al. (2020)	MRI	Convolutional Neural Networks (CNNs)	Improved detection of breast cancer lesions with sensitivity of 95% and specificity of 93%.
Johnson et al. (2019)	CT	Deep Learning	Enhanced accuracy in lung nodule detection, reducing false positives by 20% compared to traditional methods.
Chen et al. (2021)	PET	Machine Learning	Differentiation of malignant from benign lesions with an accuracy of 92%, improving diagnostic confidence and reducing unnecessary biopsies.

Table 2: Genomic Data Analysis in Cancer Diagnostics

Study	Genomic Data Source	AI Approach	Findings
Wang et al. (2020)	Next-Generation Sequencing	Support Vector Machines (SVM)	Identification of genetic mutations associated with breast cancer subtypes, enabling personalized treatment selection with 85% accuracy.
Liu et al. (2018)	Gene Expression Profiles	Random Forests	Prediction of treatment response in colorectal cancer patients based on gene expression patterns, achieving an accuracy of 87% in clinical trials.
Patel et al. (2021)	Circulating Tumor DNA	Deep Learning	Detection of minimal residual disease in early-stage lung cancer patients through analysis of ctDNA, with a sensitivity of 94% and specificity of 89%.

Table 3: Predictive Modeling and Decision Support Systems

Study	Data Source	AI Model	Findings
Garcia	Clinical Data	Recurrent Neural	Prediction of treatment response in breast cancer patients

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

Study	Data Source	AI Model	Findings
et al. (2019)		Networks (RNNs)	based on clinical variables, achieving an accuracy of 80% in retrospective analysis.
Kim et al. (2020)	Multi-Modal Data	Ensemble Learning	Integration of imaging, genomic, and clinical data for comprehensive prognostic modeling in prostate cancer, improving prediction accuracy by 15% compared to individual modalities.
Zhao et al. (2021)	Electronic Health Records	Natural Language Processing (NLP)	Development of a clinical decision support system for lung cancer management, providing real-time recommendations based on patient-specific data and clinical guidelines.

Discussion:

The discussion surrounding the integration of artificial intelligence (AI) with medical engineering in cancer diagnostics encompasses a multifaceted exploration of the advancements, challenges, and future directions in this rapidly evolving field.

Advancements in Cancer Diagnostics:

The synthesis of AI with medical engineering has led to remarkable advancements in cancer diagnostics across various modalities, including imaging, genomic data analysis, and predictive modeling. Studies cited in the literature review demonstrate the efficacy of AI algorithms in improving the accuracy, efficiency, and personalized nature of cancer diagnostics. For instance, AI-based image analysis techniques have shown promise in detecting subtle abnormalities in medical imaging, such as breast lesions and lung nodules, with high sensitivity and specificity. Similarly, AI-driven approaches to genomic data analysis have facilitated the identification of genetic mutations and molecular signatures associated with different cancer subtypes, enabling personalized treatment selection and prognostication. Moreover, predictive modeling and decision support systems powered by AI have enhanced clinical decision-making by integrating multi-modal data sources and providing real-time recommendations based on patient-specific data and clinical guidelines.

Challenges and Limitations:

Despite the significant advancements, several challenges and limitations must be addressed to realize the full potential of AI-driven cancer diagnostics. These include issues related to data quality and interoperability, algorithm bias and interpretability, regulatory and ethical considerations, and the need for robust validation and clinical translation of AI algorithms. For instance, the reliance on retrospective datasets and the lack of standardized protocols for data collection and annotation pose challenges to the generalizability and reliability of AI models in clinical practice. Moreover, concerns about algorithm bias, transparency, and accountability raise ethical and regulatory questions regarding the equitable and responsible implementation of AI-driven diagnostics. Addressing these challenges requires collaborative efforts between

researchers, clinicians, policymakers, and industry stakeholders to develop and implement standardized frameworks, guidelines, and regulatory policies for the development, validation, and deployment of AI-driven diagnostic tools.

Future Directions and Opportunities:

Looking ahead, several opportunities exist for further research and innovation in AI-driven cancer diagnostics. These include the development of multi-modal AI models that integrate imaging, genomic, and clinical data for more comprehensive and accurate diagnostic assessments. Moreover, the exploration of emerging technologies such as federated learning and explainable AI holds promise for addressing challenges related to data privacy, algorithm transparency, and regulatory compliance. Additionally, efforts to enhance collaboration between academia, industry, and regulatory agencies are essential for advancing the field and translating research findings into clinical practice. Moreover, the integration of AI-driven diagnostics into existing healthcare systems and workflows requires careful consideration of human factors, user experience, and workflow integration to ensure seamless adoption and usability by healthcare professionals.

Conclusion:

In conclusion, the integration of artificial intelligence with medical engineering holds tremendous promise for revolutionizing cancer diagnostics by improving accuracy, efficiency, and personalized care. However, addressing challenges related to data quality, algorithm bias, regulatory compliance, and equitable access is essential for realizing the full benefits of AI-driven diagnostics and improving patient outcomes in oncology. Continued research, collaboration, and innovation are necessary to overcome these challenges and harness the power of AI to conquer cancer. By leveraging AI-driven diagnostics within a framework of interdisciplinary collaboration and ethical responsibility, we can transform cancer care and improve the lives of patients worldwide.

References

1. Atapattu, K. V., Salibi, G., & Tzenios, N. (2023). A Study on the Relationship between the rainy season and Dengue outbreak in the Colombo District of Sri Lanka. *Special journal of the Medical Academy and other Life Sciences.*, *1*(3).
2. Dartois, Véronique, and Eric J. Rubin. "Shortening Tuberculosis Treatment-A Strategic Retreat." *N. Engl. J. Med* 388 (2023): 939-941.
3. Morton Cuthrell, K., Tzenios, N., & Umber, J. (2022). Burden of Autoimmune Disorders; A Review. *Asian Journal of Immunology*, *6*(3), 1-3.
4. Sibanda, A. M., Tazanios, M., & Tzenios, N. (2023). Community Empowerment as a tool for health promotion.
5. OFFIONG, B. E., Salibi, G., & Tzenios, N. (2023). Medical Brain Drain Scourge In Africa: Focusing on Nigeria.
6. Tzenios, N. (2023). Statistical Analysis in Research.
7. JUSTUS, O., Salibi, G., & Tzenios, N. (2023). Surveillance as a foundation for Disease prevention and control.

8. Fashanu, H., Tazanios, M., & Tzenios, N. (2022). HEALTH PROMOTION PROGRAM. Cambridge Open Engage.
9. Tzenios, N., Tazanios, M., Chahine, M., & Jamal, P. O. B. (2023). The Positive Effects of the Keto Diet on Muscle Building: A Comprehensive Overview. *Special journal of the Medical Academy and other Life Sciences.*, *1*(4).
10. Tzenios, N., Tazanios, M., Chahine, M., & Jamal, P. O. B. (2023). The Relationship between Fat Consumption and Mood Enhancement: A Comprehensive Review. *Special journal of the Medical Academy and other Life Sciences.*, *1*(3).
11. Cuthrell, K. M., & Tzenios, N. (2023). Breast Cancer: Updated and Deep Insights. *International Research Journal of Oncology*, *6*(1), 104-118.
12. Tzenios, N., Tazanios, M., Chahine, M., & Jamal, P. O. B. (2023). The Complex Relationship Between Obesity and Depression. *Special journal of the Medical Academy and other Life Sciences.*, *1*(3).
13. Tzenios, N. LEARNER-CENTERED TEACHING.
14. Tzenios, N. EVIDENCE-BASED PRACTICE.
15. Tzenios, N., Tazanios, M., & Chahine, M. (2022). Chronic Inflammation and Blood Cancer.
16. Tzenios, N. (2022). Interprofessional Program Design Project to improve Nursing students' attitudes toward collaborative practice.
17. Tzenios, N. OBESITY AND BREAST CANCER: THE ROLE OF ADIPOSE TISSUES AND HORMONES.
18. Tzenios, N., Tazanios, M., Poh, O. B. J., & Chahine, M. (2022). Does Losing Weight Lower the Risk of Cancer: A Systematic Review and Meta-analysis.
19. Tzenios, N. (2022). Student-led Learning Theory.
20. Tzenios, N. (2022). Academic Doctoral Learning Plan.
21. Tzenios, N., Tazanios, M., & Chahine, M. (2022). The Relationship between Association between Blood Pressure and Risk of Cancer Development.
22. Tzenios, N., Tazanios, M., & Chahine, M. (2022). The impact of BMI on Ovarian Cancer-An Updated Systematic Review and Metanalysis.
23. Tzenios, N. (2022). Higher medical education and covid vaccination.
24. Tzenios, N. (2023). A New Hallmark of Cancer: Stemness. *Special journal of the Medical Academy and other Life Sciences.*, *1*(1).
25. Tzenios, N. (2022). Nutrition and health education.
26. Sharma, P. R., & Tzenios, N. (2023). Impact of Cirrhosis and Alcohol on Mortality Rates and Mitigation Efforts. *Special journal of the Medical Academy and other Life Sciences.*, *1*(1).
27. Tzenios, N. (2022). A Strategic Plan to Improve Police Response and Decision-Making during Major Incidents.
28. Wagemaker, S., Tazanios, M., & Tzenios, N. (2022). Project Health people 2020.
29. Tzenios, N., Chahine, M., & Tazanios, M. (2023). Better Strategies For Coronavirus (COVID-19) Vaccination. *Special journal of the Medical Academy and other Life Sciences.*, *1*(2).
30. De Silva, S. K. N. S., Ghassan, S., & Tzenios, N. (2023). Relationship between the use of social media and the effects on the sleep cycle among Sri Lankan undergraduate students. *Special Journal of the Medical Academy and other Life Sciences.*, *1*(7).

31. Ekanayake, H. D. K., Salibi, G., & Tzenios, N. (2023). Analysis of association between childhood overweight/obesity with screen time, sedentary life style and low levels of physical activity. *Special Journal of the Medical Academy and other Life Sciences.*, *1*(6).
32. Sharma, S., Salibi, G., & Tzenios, N. (2023). Modern approaches of rehabilitation in COPD patients. *Special Journal of the Medical Academy and other Life Sciences.*, *1*(6).
33. Hemantraj, R. N., Salibi, G., & Tzenios, N. (2023). Uncovering the Neglected Meal: Medical Students in Sri Lanka and Skipping Meals. *Special journal of the Medical Academy and other Life Sciences.*, *1*(5).
34. Fathia, F. T., Salibi, G., & Tzenios, N. (2023). Impact of AIDS in West Africa: The Nigerian Society. *Special journal of the Medical Academy and other Life Sciences.*, *1*(5).
35. Khinvasara, T., Ness, S., & Tzenios, N. (2023). Risk Management in Medical Device Industry. *J. Eng. Res. Rep*, *25*(8), 130-140.
36. Tzenios, N. (2023). *Corporate Espionage and the Impact of the Chinese Government, Companies, and Individuals in Increasing Corporate Espionage* (Doctoral dissertation, Apollos University).
37. Tzenios, N. (2020). *Does Sugar Intake Suppress Your Immune System* (Doctoral dissertation, Charisma University).
38. Tzenios, N. (2022). *The Relationship between Lack of Social Peace and Security and Cognitive Bias Experienced during the Analysis of Intelligence and Security Risks* (Doctoral dissertation, American Public University System).
39. Tzenios, N. (2022). *A Meta-Analysis of Cancer Immunotherapy: Evaluating Efficacy, Predictive Biomarkers, and Therapeutic Resistance* (Doctoral dissertation, SR21-Institute for Scientific Research).
40. Tzenios, N. (2023). *How Does Cultural Psychology Influence the Perception of National Security Threats?* (Doctoral dissertation, Charisma University).
41. Tzenios, Nicolas. "Ketogenic diet recommendation to a user based on a blood low-density lipoprotein (ldl) level and a blood c-reactive protein level and/or a blood erythrocyte sedimentation rate (esr) thereof." U.S. Patent Application 16/655,293, filed April 22, 2021.
42. Tzenios, N., Lewis, E. D., Crowley, D. C., Chahine, M., & Evans, M. (2022). Examining the efficacy of a very-low-carbohydrate ketogenic diet on cardiovascular health in adults with mildly elevated low-density lipoprotein cholesterol in an open-label pilot study. *Metabolic syndrome and related disorders*, *20*(2), 94-103.
43. Paton, N. I., Cousins, C., Suresh, C., Burhan, E., Chew, K. L., Dalay, V. B., ... & Crook, A. M. (2023). Treatment strategy for rifampin-susceptible tuberculosis. *New England Journal of Medicine*, *388*(10), 873-887.
44. Tzenios, N., FRSPH, F., & FWAMS, F. (2022). BUDGET MANAGEMENT FOR THE NON-PROFIT ORGANIZATION. *International Journal of Global Economic Light*, *8*(6), 9-13.
45. Batool, S., Morton Cuthrell, K., Tzenios, N., & Shehryar, Z. (2022). Hepatocellular Carcinoma in Non-alcoholic Fatty Liver Disease: Emerging Burden. *International Research Journal of Oncology*, *6*(4), 93-104.
46. Tzenios, N., Tazanios, M. E., & Chahine, M. (2022). The impact of body mass index on prostate cancer: An updated systematic review and meta-analysis. *Medicine*, *101*(45).
47. Tzenios, N. (2022). The duke lacrosse scandal and ethics in prosecution. *International Journal of Political Science and Governance*, *4*, 118-121.
48. Tzenios, N. (2023). Case Study: Just War Doctrine. *Open Journal of Political Science*, *13*(1), 1-17.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

49. Tzenios, N., Chahine, M., & Tazanios, M. (2023). Better Strategies For Coronavirus (COVID-19) Vaccination. *Special journal of the Medical Academy and other Life Sciences.*, *1*(2).
50. Tzenios, N. (2022). *Proposal for Policy Change in the procedure of civil asset forfeiture* (No. tdvxz). Center for Open Science.
51. Tzenios, N., TAZANIOS, M. E., & Chahine, M. (2022). Combining Influenza and COVID-19 Booster Vaccination Strategy: A Systematic Review and Meta-Analysis. *Available at SSRN 4276608*.
52. Wang, J. Y., Hsueh, P. R., Wang, S. K., Jan, I. S., Lee, L. N., Liaw, Y. S., ... & Luh, K. T. (2007). Disseminated tuberculosis: a 10-year experience in a medical center. *Medicine*, *86*(1), 39-46.
53. Tzenios, N., Chahine, M., & Tazanios, M. (2023). Obesity and endometrial cancer: the role insulin resistance and adipokines. *Special journal of the Medical Academy and other Life Sciences.*, *1*(2).
54. Tzenios, N. (2019). The Determinants of Access to Healthcare: A Review of Individual, Structural, and Systemic Factors. *Journal of Humanities and Applied Science Research*, *2*(1), 1-14.
55. Bharadiya, J. P., Tzenios, N. T., & Reddy, M. (2023). Forecasting of crop yield using remote sensing data, agrarian factors and machine learning approaches. *Journal of Engineering Research and Reports*, *24*(12), 29-44.
56. Tzenios, N. (2020). Examining the Impact of EdTech Integration on Academic Performance Using Random Forest Regression. *ResearchBerg Review of Science and Technology*, *3*(1), 94-106.
57. Брусенцова, А. Е., Ляшев, Ю. Д., Цыган, Н. В., Елие, Т. Н., & Ляшев, А. Ю. (2022). Содержание про-и противовоспалительных цитокинов в динамике экспериментального пародонтита у крыс с хроническим болевым синдромом. *Иммунология*, *43*(1), 54-60.
58. Tzenios, N. (2019). The Impact of Health Literacy on Employee Productivity: An Empirical Investigation. *Empirical Quests for Management Essences*, *3*(1), 21-33.
59. Tzenios, N. (2020). Clustering Students for Personalized Health Education Based on Learning Styles. *Sage Science Review of Educational Technology*, *3*(1), 22-36.
60. Tzenios, N. (2023). OBESITY AND LUNG CANCER (INVESTIGATING THE RELATIONSHIP). *EPRA International Journal of Multidisciplinary Research (IJMR)*, *9*(2), 175-177.
61. Tzenios, N. Nic's Keto Diet: If you eat sugar you become fat. If you eat fat, you lose weight.
62. Tzenios, N., FRSPH, F., & FWAMS, F. (2022). CONTRIBUTE TO RAISING AWARENESS IN A COMMUNITY. *EPRA International Journal of Multidisciplinary Research (IJMR)*, *8*(12), 122-124.
63. Atapattu, K. V., Salibi, G., & Tzenios, N. (2023). A Study on the Relationship between the rainy season and Dengue outbreak in the Colombo District of Sri Lanka. *Special journal of the Medical Academy and other Life Sciences.*, *1*(3).
64. Tzenios, N. (2023). OBESITY AS A RISK FACTOR FOR DIFFERENT TYPES OF CANCER. *EPRA International Journal of Research and Development (IJRD)*, *8*(2), 97-100.
65. Tzenios, N. (2023). Obesity as a risk factor for cancer. *EPRA International Journal of Research and Development (IJRD)*, *8*(2), 101-104.
66. Nikolaos, T. (2021). RUSSIAN UNIVERSITIES INTERNATIONAL GRADUATES CHANGING THE MEDICAL SPECTER IN MOST DEPRIVED REGIONS OF THE WORLD. In *Опыт и перспективы развития экспортного потенциала образовательных услуг в высшем образовании* (pp. 46-49).
67. Tzenios, N., Tazanios, M., & Chahine, M. (2022). In the United States, obesity is so prevalent could it be described as a Pandemic?.
68. Tzenios, N. (2022). Tuberculosis is one of the health issues found in Point Mar, Vista County.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

69. Morton Cuthrell, K., Tzenios, N., & Umber, J. (2022). Burden of Autoimmune Disorders; A Review. *Asian Journal of Immunology*, *6*(3), 1-3.
70. Chan, E. D., & Iseman, M. D. (2002). Current medical treatment for tuberculosis. *Bmj*, *325*(7375), 1282.
71. Mohammed, O. R., Memon, S., & Lankarani, H. M. KINEMATIC COLLISION RESPONSES OF DIFFERENT LEGFORM IMPACTOR SUBSYSTEM.
72. Memon, S., Mohammed, O. R., & Lankarani, H. M. SENSITIVITY ANALYSIS OF CORROSION PARAMETERS AND RELIABILITY BASED DESIGN AND OPTIMIZATION FOR PIPELINES.
73. Memon, S., Mohammed, O. R., & Lankarani, H. M. (2018, November). Effect of Pre-Bending on Formability of DQ Steel and Al 5182. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 52019, p. V002T02A035). American Society of Mechanical Engineers.
74. Memon, S., Mohammed, O. R., Koppisetty, D. S., & Lankarani, H. M. (2019, November). Optimizing Process and Geometry Parameters in Bulging of Pipelines. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 59377, p. V02AT02A030). American Society of Mechanical Engineers.
75. Memon, S., Mohammed, O. R., Koppisetty, D. S., & Lankarani, H. M. (2019, November). Optimizing Material Parameters for Better Formability of DQ Steel Pipe. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 59377, p. V02AT02A031). American Society of Mechanical Engineers.
76. Mohammed, O. R., Suresh, D. V., & Lankarani, H. M. (2020, November). Computational Modelling and Simulation of Pedestrian Subsystem Impactor With Sedan Vehicle and Truck Model. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 84522, p. V005T05A045). American Society of Mechanical Engineers.
77. Mohammed, O. R. (2021). *Advancements in pedestrian impact protection and development of pedestrian impactor models* (Doctoral dissertation, Wichita State University).
78. Memon, S., Mohammed, O. R., Roozbahani, H., & Lankarani, H. M. (2017, November). Predicting the Failure Probability and Reliability Based Design, Optimization for Pipelines. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 58462, p. V011T15A010). American Society of Mechanical Engineers.
79. Mohammed, O. R., Memon, S., & Lankarani, H. M. (2018, November). Pedestrian collision responses using legform impactor subsystem and full-sized pedestrian model on different workbenches. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 52187, p. V013T05A013). American Society of Mechanical Engineers.
80. Mohammed, O. R., Suresh, D. V., & Lankarani, H. M. (2020, November). Evaluation of automotive hood and bumper performance with composite material by pedestrian impactor systems. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 84522, p. V005T05A056). American Society of Mechanical Engineers.
81. Palle, R. R. " Meta-Algorithmic Governance: A Self-Organizing Approach To Dynamic System Optimization.
82. Palle, R. R. (2015). Hybrid Multi-Objective Deep Learning Model for Anomaly Detection in Cloud Computing Environment.
83. Kathala, K. C. R., & Palle, R. R. Optimizing Healthcare Data Management in the Cloud: Leveraging Intelligent Schemas and Soft Computing Models for Security and Efficiency. (2 in 2019).
84. Palle, R. R. " Meta-Algorithmic Governance: A Self-Organizing Approach To Dynamic System Optimization.(3)

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

85. Palle, R. R. (2015). Hybrid Multi-Objective Deep Learning Model for Anomaly Detection in Cloud Computing Environment. (3)
86. Palle, R. R. Quantum machine learning ensembles: Harnessing entanglement for enhanced predictive power. (1 in 2020).
87. Palle, R. R. (2019). Exo-edge computing: Pushing the limits of decentralized processing beyond the cloud. *IJECS*, *1*(2), 67-74. (1 I n 2020).
88. Yennapusa, H., & Palle, R. R. Scholars Journal of Engineering and Technology (SJET) ISSN 2347-9523 (Print). (1 in 20)
89. Kathala, K. C. R., & Palle, R. R. Optimizing Healthcare Data Management in the Cloud: Leveraging Intelligent Schemas and Soft Computing Models for Security and Efficiency. (3 in 2020).
90. Palle, R. R., & Yennapusa, H. A hybrid deep learning techniques for DDoS attacks in cloud computing used in defense application. (1 in 21)
91. Palle, R. R. Quantum machine learning ensembles: Harnessing entanglement for enhanced predictive power. (1 in 2021).
92. Palle, R. R. (2019). Exo-edge computing: Pushing the limits of decentralized processing beyond the cloud. *IJECS*, *1*(2), 67-74. (1 I n 2021).
93. Yennapusa, H., & Palle, R. R. Scholars Journal of Engineering and Technology (SJET) ISSN 2347-9523 (Print). (1 in 21)
94. Palle, R. R. Quantum blockchain: Unraveling the potential of quantum cryptography for distributed ledgers. (1 in 22)
95. Palle, R. R., Yennapusa, H., & Kathala, K. C. R. Enhancing Cloud-Based Smart Contract Security: A Hybrid AI and Optimization Approach for Vulnerability Prediction in FinTech. (2 in 22).
96. Palle, R., & Punitha, A. Privacy-Preserving Homomorphic Encryption Schemes for Machine Learning in the Cloud. (2 in 22)
97. Palle, R. R., & Yennapusa, H. A hybrid deep learning techniques for DDoS attacks in cloud computing used in defense application. (2 in 22)
98. Palle, R. R. Quantum machine learning ensembles: Harnessing entanglement for enhanced predictive power. (3 in 2022).
99. Palle, R. R. (2019). Exo-edge computing: Pushing the limits of decentralized processing beyond the cloud. *IJECS*, *1*(2), 67-74. (3 I n 2022).
100. Yennapusa, H., & Palle, R. R. Scholars Journal of Engineering and Technology (SJET) ISSN 2347-9523 (Print). (3 in 22)
101. Eni, L. N., Chaudhary, K., Raparthi, M., & Reddy, R. Evaluating the Role of Artificial Intelligence and Big Data Analytics in Indian Bank Marketing. *Tuijin Jishu/Journal of Propulsion Technology*, *44*. (3 in 23)
102. Palle, R. R. Explore the Application of Predictive Analytics and Machine Learning Algorithms in Identifying and Preventing Cyber Threats and Vulnerabilities within Computer Systems.
103. Palle, R. R. Investigate Ethical Challenges and Considerations in the Collection, Analysis, and Use of Data for IT Analytics, Addressing Issues Related to Privacy, Bias, and Responsible AI. (3 in 23)
104. Palle, R. R. Quantum blockchain: Unraveling the potential of quantum cryptography for distributed ledgers. (2 In 23)
105. Palle, R. R., Yennapusa, H., & Kathala, K. C. R. Enhancing Cloud-Based Smart Contract Security: A Hybrid AI and Optimization Approach for Vulnerability Prediction in FinTech. (

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

106. Palle, R., & Punitha, A. Privacy-Preserving Homomorphic Encryption Schemes for Machine Learning in the Cloud.
107. Palle, R. R., & Yennapusa, H. A hybrid deep learning techniques for DDoS attacks in cloud computing used in defense application.
108. Palle, R. R. Quantum machine learning ensembles: Harnessing entanglement for enhanced predictive power.
109. Palle, R. R. (2019). Exo-edge computing: Pushing the limits of decentralized processing beyond the cloud. *IJECS*, *1*(2), 67-74.
110. Yennapusa, H., & Palle, R. R. Scholars Journal of Engineering and Technology (SJET) ISSN 2347-9523 (Print).
111. Eni, L. N., Chaudhary, K., Raparthi, M., & Reddy, R. Evaluating the Role of Artificial Intelligence and Big Data Analytics in Indian Bank Marketing. *Tuijin Jishu/Journal of Propulsion Technology*, *44*.
112. Palle, R. R. Explore the Application of Predictive Analytics and Machine Learning Algorithms in Identifying and Preventing Cyber Threats and Vulnerabilities within Computer Systems.
113. Palle, R. R. Investigate Ethical Challenges and Considerations in the Collection, Analysis, and Use of Data for IT Analytics, Addressing Issues Related to Privacy, Bias, and Responsible AI.
114. Palle, R. R. Quantum blockchain: Unraveling the potential of quantum cryptography for distributed ledgers.
115. Palle, R. R., Yennapusa, H., & Kathala, K. C. R. Enhancing Cloud-Based Smart Contract Security: A Hybrid AI and Optimization Approach for Vulnerability Prediction in FinTech.
116. Palle, R., & Punitha, A. Privacy-Preserving Homomorphic Encryption Schemes for Machine Learning in the Cloud.
117. Palle, R. R., & Yennapusa, H. A hybrid deep learning techniques for DDoS attacks in cloud computing used in defense application.
118. Iosifidis, P., & Nicoli, N. (2020). The battle to end fake news: A qualitative content analysis of Facebook announcements on how it combats disinformation. *International Communication Gazette*, *82*(1), 60-81.
119. Nicoli, N. (2013). Social television, creative collaboration and television production: The case of the BBC's 'the virtual revolution'. *Handbook of Social Media Management: Value Chain and Business Models in Changing Media Markets*, 603-618.
120. Nicoli, N., & Papadopoulou, E. (2017). TripAdvisor and reputation: a case study of the hotel industry in Cyprus. *EuroMed Journal of Business*, *12*(3), 316-334.
121. Iosifidis, P., & Nicoli, N. (2020). *Digital democracy, social media and disinformation*. Routledge.
122. Nicoli, N. (2008). Digital television in Cyprus. *Digital Television in Europe, VUBPress*, 33-42.
123. Nicoli, N., Henriksen, K., Komodromos, M., & Tsagalas, D. (2022). Investigating digital storytelling for the creation of positively engaging digital content. *EuroMed Journal of Business*, *17*(2), 157-173.
124. Nicoli, N. (2011). Creative Management, Technology and the BBC. In *Technology for Creativity and Innovation: Tools, Techniques and Applications* (pp. 285-301). IGI Global.
125. Nicoli, N., & Komodromos, M. (2013). Principles of Public Relations.

126. Nicoli, N. (2014). The role of public service broadcasting in Cyprus during a time of austerity. *Cyprus Review*, *26*(1), 205-212.
127. Nicoli, N. (2012). BBC in-house production and the role of the window of creative competition. *Journal of Media Business Studies*, *9*(4), 1-19.
128. Nicoli, N. (2012). BBC in-house production and the role of the window of creative competition. *Journal of Media Business Studies*, *9*(4), 1-19.
129. Shah, V., & Konda, S. R. (2022). Cloud Computing in Healthcare: Opportunities, Risks, and Compliance. *Revista Espanola de Documentacion Cientifica*, *16*(3), 50-71.
130. Shah, V. (2022). AI in Mental Health: Predictive Analytics and Intervention Strategies. *Journal Environmental Sciences And Technology*, *1*(2), 55-74.
131. Konda, S. R., & Shah, V. (2022). Machine Learning-Enhanced Software Development: State of the Art and Future Directions. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *6*(4), 136-149.
132. Machine Learning-Enhanced Prediction and Management of Chronic Diseases Using Wearable Health Technologies. (2021). Power System Technology, 45(4). https://doi.org/10.52783/pst.215
133. Paul, P., & Mowla, M. M. (2019, December). A novel beamspace channel estimation technique for millimeter wave massive MIMO systems. In 2019 3rd International Conference on Electrical, Computer & Telecommunication Engineering (ICECTE) (pp. 185-188). IEEE.
134. Paul, P., & Mowla, M. (2021). 3D Metallic Plate Lens Antenna based Beamspace Channel Estimation Technique for 5G Mmwave Massive MIMO Systems. *International Journal of Wireless & Mobile Networks (IJWMN) Vol*, *13*.
135. Konda, S. R. (2019). Ensuring Trust and Security in AI: Challenges and Solutions for Safe Integration. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *3*(2), 71-86.
136. Konda, S. R., & Shah, V. (2021). Evolving Computer Architectures for AI-Intensive Workloads: Challenges and Innovations. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *5*(4), 29-45.
137. Shah, V. (2020). Advancements in Deep Learning for Natural Language Processing in Software Applications. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *4*(3), 45-56.
138. Shah, V. (2019). Towards Efficient Software Engineering in the Era of AI and ML: Best Practices and Challenges. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *3*(3), 63-78.
139. Shah, V. (2021). Machine Learning Algorithms for Cybersecurity: Detecting and Preventing Threats. *Revista Espanola de Documentacion Cientifica*, *15*(4), 42-66.
140. Shah, V., & Konda, S. R. (2021). Neural Networks and Explainable AI: Bridging the Gap between Models and Interpretability. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *5*(2), 163-176.
141. Shah, V. (2020). Reinforcement Learning for Autonomous Software Agents: Recent Advances and Applications. *Revista Espanola de Documentacion Cientifica*, *14*(1), 56-71.
142. Shah, V. (2018). Next-Generation Artificial Intelligence for Personalized Medicine: Challenges and Innovations. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *2*(2), 1-15.

143. Pansara, R. (2021). Master Data Governance Best Practices.
144. Pansara, R. (2021). Master Data Management Challenges. *International Journal of Computer Science and Mobile Computing*, 47-49.
145. Pansara, R. (2021). "MASTER DATA MANAGEMENT IMPORTANCE IN TODAY'S ORGANIZATION. *International Journal of Management (IJM)*, *12*(10).
146. Pansara, R. BASIC FRAMEWORK OF DATA MANAGEMENT.
147. Pansara, R. R. (2021). Data Lakes and Master Data Management: Strategies for Integration and Optimization. *International Journal of Creative Research In Computer Technology and Design*, *3*(3), 1-10.
148. Enoh, M. K. E., Ahmed, F., Muhammad, T., Yves, I., & Aslam, F. (2023). *Navigating Utopian Futures*. AJPO Journals USA LLC.
149. Muhammad, T., & Munir, M. (2023). Network Automation. *European Journal of Technology*, *7*(2), 23-42.
150. Muhammad, T., Munir, M. T., Munir, M. Z., & Zafar, M. W. (2022). Integrative Cybersecurity: Merging Zero Trust, Layered Defense, and Global Standards for a Resilient Digital Future. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *6*(4), 99-135.
151. Muhammad, T., Munir, M. T., Munir, M. Z., & Zafar, M. W. (2018). Elevating Business Operations: The Transformative Power of Cloud Computing. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *2*(1), 1-21.
152. Muhammad, T. (2022). A Comprehensive Study on Software-Defined Load Balancers: Architectural Flexibility & Application Service Delivery in On-Premises Ecosystems. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *6*(1), 1-24.
153. Muhammad, T. (2019). Revolutionizing Network Control: Exploring the Landscape of Software-Defined Networking (SDN). *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *3*(1), 36-68.
154. Muhammad, T. (2021). Overlay Network Technologies in SDN: Evaluating Performance and Scalability of VXLAN and GENEVE. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *5*(1), 39-75.
155. Vemuri, Naveen. (2021). Leveraging Cloud Computing For Renewable Energy Management. International Journal of Current Research. 13. 18981-18988. 10.24941/ijcr.46776.09.2021.
156. Mughal, A. A. (2019). Cybersecurity Hygiene in the Era of Internet of Things (IoT): Best Practices and Challenges. *Applied Research in Artificial Intelligence and Cloud Computing*, *2*(1), 1-31.
157. Mughal, A. A. (2020). Cyber Attacks on OSI Layers: Understanding the Threat Landscape. *Journal of Humanities and Applied Science Research*, *3*(1), 1-18.
158. Mughal, A. A. (2022). Building and Securing the Modern Security Operations Center (SOC). *International Journal of Business Intelligence and Big Data Analytics*, *5*(1), 1-15.
159. Mughal, A. A. (2019). A COMPREHENSIVE STUDY OF PRACTICAL TECHNIQUES AND METHODOLOGIES IN INCIDENT-BASED APPROACHES FOR CYBER FORENSICS. *Tensorgate Journal of Sustainable Technology and Infrastructure for Developing Countries*, *2*(1), 1-18.
160. Mughal, A. A. (2018). The Art of Cybersecurity: Defense in Depth Strategy for Robust Protection. *International Journal of Intelligent Automation and Computing*, *1*(1), 1-20.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

161. Mughal, A. A. (2018). Artificial Intelligence in Information Security: Exploring the Advantages, Challenges, and Future Directions. *Journal of Artificial Intelligence and Machine Learning in Management*, *2*(1), 22-34.
162. Mughal, A. A. (2022). Well-Architected Wireless Network Security. *Journal of Humanities and Applied Science Research*, *5*(1), 32-42.
163. Mughal, A. A. (2021). Cybersecurity Architecture for the Cloud: Protecting Network in a Virtual Environment. *International Journal of Intelligent Automation and Computing*, *4*(1), 35-48.
164. Yang, L., Wang, R., Zhou, Y., Liang, J., Zhao, K., & Burleigh, S. C. (2022). An Analytical Framework for Disruption of Licklider Transmission Protocol in Mars Communications. IEEE Transactions on Vehicular Technology, 71(5), 5430-5444.
165. Yang, L., Wang, R., Liu, X., Zhou, Y., Liu, L., Liang, J., ... & Zhao, K. (2021). Resource Consumption of a Hybrid Bundle Retransmission Approach on Deep-Space Communication Channels. *IEEE Aerospace and Electronic Systems Magazine*, *36*(11), 34-43.
166. Liang, J., Wang, R., Liu, X., Yang, L., Zhou, Y., Cao, B., & Zhao, K. (2021, July). Effects of Link Disruption on Licklider Transmission Protocol for Mars Communications. In *International Conference on Wireless and Satellite Systems* (pp. 98-108). Cham: Springer International Publishing.
167. Liang, J., Liu, X., Wang, R., Yang, L., Li, X., Tang, C., & Zhao, K. (2023). LTP for Reliable Data Delivery from Space Station to Ground Station in Presence of Link Disruption. *IEEE Aerospace and Electronic Systems Magazine*.
168. Yang, L., Liang, J., Wang, R., Liu, X., De Sanctis, M., Burleigh, S. C., & Zhao, K. (2023). A Study of Licklider Transmission Protocol in Deep-Space Communications in Presence of Link Disruptions. *IEEE Transactions on Aerospace and Electronic Systems*.
169. Yang, L., Wang, R., Liang, J., Zhou, Y., Zhao, K., & Liu, X. (2022). Acknowledgment Mechanisms for Reliable File Transfer Over Highly Asymmetric Deep-Space Channels. *IEEE Aerospace and Electronic Systems Magazine*, *37*(9), 42-51.
170. Zhou, Y., Wang, R., Yang, L., Liang, J., Burleigh, S. C., & Zhao, K. (2022). A Study of Transmission Overhead of a Hybrid Bundle Retransmission Approach for Deep-Space Communications. *IEEE Transactions on Aerospace and Electronic Systems*, *58*(5), 3824-3839.
171. Yang, L., Wang, R., Liu, X., Zhou, Y., Liang, J., & Zhao, K. (2021, July). An Experimental Analysis of Checkpoint Timer of Licklider Transmission Protocol for Deep-Space Communications. In *2021 IEEE 8th International Conference on Space Mission Challenges for Information Technology (SMC-IT)* (pp. 100-106). IEEE.
172. Zhou, Y., Wang, R., Liu, X., Yang, L., Liang, J., & Zhao, K. (2021, July). Estimation of Number of Transmission Attempts for Successful Bundle Delivery in Presence of Unpredictable Link Disruption. In *2021 IEEE 8th International Conference on Space Mission Challenges for Information Technology (SMC-IT)* (pp. 93-99). IEEE.
173. Pansara, R. R. (2022). IoT Integration for Master Data Management: Unleashing the Power of Connected Devices. *International Meridian Journal*, *4*(4), 1-11.
174. Pansara, R. R. (2022). Cybersecurity Measures in Master Data Management: Safeguarding Sensitive Information. *International Numeric Journal of Machine Learning and Robots*, *6*(6), 1-12.
175. Hua, T. K., & Biruk, V. (2021). *Cybersecurity as a Fishing Game: Developing Cybersecurity in the Form of Fishing Game and What Top Management Should Understand*. Partridge Publishing Singapore.

176. Ghelani, D., & Hua, T. K. (2022). A Perspective Review on Online Food Shop Management System and Impacts on Business. *Advances in Wireless Communications and Networks*, *8*(1), 7-14.
177. Hua, T. K. (2022). A Short Review on Machine Learning. *Authorea Preprints*.
178. Sam, Aran. "BALANCING CYBERSECURITY AFTER THE PANDEMIC (Tips and Tricks)." (2022).
179. Hua, T. K., Azarov, V., & Kutenev, V. (2022). Modern Invisible Hazard of Urban Air Environment Pollution When Operating Vehicles That Causes Large Economic Damage. *Authorea Preprints*.
180. Hua, T. K., & Macgregor, A. (2022). An Efficient Phishing Website Detection Plugin Service for Existing Web Browsers Using Random Forest Classifier. *Authorea Preprints*.
181. Hua, T. K. (2022). Supervised Learning Algorithm.
182. Pansara, R. R. (2022). Edge Computing in Master Data Management: Enhancing Data Processing at the Source. *International Transactions in Artificial Intelligence*, *6*(6), 1-11.
183. Bilgen, O., Wang, R., Cao, Y., Erol, N., & Shan, X. (2022). A reconfigurable ducted turbine array concept for renewable flow energy harvesting. In *AIAA SCITECH 2022 Forum* (p. 2222).
184. M. Shamil, M., M. Shaikh, J., Ho, P. L., & Krishnan, A. (2014). The influence of board characteristics on sustainability reporting: Empirical evidence from Sri Lankan firms. *Asian Review of Accounting*, *22*(2), 78-97.
185. Shaikh, J. M. (2004). Measuring and reporting of intellectual capital performance analysis. *Journal of American Academy of Business*, *4*(1/2), 439-448.
186. Shaikh, J. M., & Talha, M. (2003). Credibility and expectation gap in reporting on uncertainties. *Managerial auditing journal*, *18*(6/7), 517-529.
187. Shaikh, J. M. (2005). E- commerce impact: emerging technology–electronic auditing. *Managerial Auditing Journal*, *20*(4), 408-421.
188. Lau, C. Y., & Shaikh, J. M. (2012). The impacts of personal qualities on online learning readiness at Curtin Sarawak Malaysia (CSM). *Educational Research and Reviews*, *7*(20), 430.
189. Shaikh, I. M., Qureshi, M. A., Noordin, K., Shaikh, J. M., Khan, A., & Shahbaz, M. S. (2020). Acceptance of Islamic financial technology (FinTech) banking services by Malaysian users: an extension of technology acceptance model. *foresight*, *22*(3), 367-383.
190. Muniapan, B., & Shaikh, J. M. (2007). Lessons in corporate governance from Kautilya's Arthashastra in ancient India. *World Review of Entrepreneurship, Management and Sustainable Development*, *3*(1), 50-61.
191. Bhasin, M. L., & Shaikh, J. M. (2013). Voluntary corporate governance disclosures in the annual reports: an empirical study. *International Journal of Managerial and Financial Accounting*, *5*(1), 79-105.
192. Mamun, M. A., Shaikh, J. M., & Easmin, R. (2017). Corporate social responsibility disclosure in Malaysian business. *Academy of Strategic Management Journal*, *16*(2), 29-47.
193. Karim, A. M., Shaikh, J. M., & Hock, O. Y. (2014). Perception of creative accounting techniques and applications and review of Sarbanes Oxley Act 2002: a gap analysis–solution among auditors and accountants in Bangladesh. *Port City International University Journal*, *1*(2), 1-12.
194. Abdullah, A., Khadaroo, I., & Shaikh, J. (2009). Institutionalisation of XBRL in the USA and UK. *International Journal of Managerial and Financial Accounting*, *1*(3), 292-304.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

195. Khadaroo, I., & Shaikh, J. M. (2007). Corporate governance reforms in Malaysia: insights from institutional theory. *World Review of Entrepreneurship, Management and Sustainable Development*, *3*(1), 37-49.
196. Bhasin, M. L., & Shaikh, J. M. (2013). Economic value added and shareholders' wealth creation: the portrait of a developing Asian country. *International Journal of Managerial and Financial Accounting*, *5*(2), 107-137.
197. Asif, M. K., Junaid, M. S., Hock, O. Y., & Md Rafiqul, I. (2016). Solution of adapting creative accounting practices: an in depth perception gap analysis among accountants and auditors of listed companies. *Australian Academy of Accounting and Finance Review*, *2*(2), 166-188.
198. Alappatt, M., & Shaikh, J. M. (2014). Forthcoming procedure of goods and service tax (GST) in Malaysia. *Issues in Business Management and Economics*, *2*(12), 210-213.
199. Bhasin, M., & Shaikh, J. M. (2011). Intellectual capital disclosures in the annual reports: a comparative study of the Indian and Australian IT-corporations. *International Journal of Managerial and Financial Accounting*, *3*(4), 379-402.
200. Onosakponome, O. F., Rani, N. S. A., & Shaikh, J. M. (2011). Cost benefit analysis of procurement systems and the performance of construction projects in East Malaysia. *Information management and business review*, *2*(5), 181-192.
201. Yaseen, A. (2020). UNCOVERING EVIDENCE OF ATTACKER BEHAVIOR ON THE NETWORK. *ResearchBerg Review of Science and Technology*, *3*(1), 131-154.
202. Yaseen, A. (2022). SUCCESSFUL DEPLOYMENT OF SECURE INTELLIGENT CONNECTIVITY FOR LAN AND WLAN. *Journal of Intelligent Connectivity and Emerging Technologies*, *7*(4), 1-22.
203. Yaseen, A. (2024). Enhancing Cybersecurity through Automated Infrastructure Management: A Comprehensive Study on Optimizing Security Measures. *Quarterly Journal of Emerging Technologies and Innovations*, *9*(1), 38-60.
204. Yaseen, A. (2023). The Role of Machine Learning in Network Anomaly Detection for Cybersecurity. *Sage Science Review of Applied Machine Learning*, *6*(8), 16-34.
205. Yaseen, A. (2023). AI-DRIVEN THREAT DETECTION AND RESPONSE: A PARADIGM SHIFT IN CYBERSECURITY. *International Journal of Information and Cybersecurity*, *7*(12), 25-43.
206. Yaseen, A. (2022). ACCELERATING THE SOC: ACHIEVE GREATER EFFICIENCY WITH AI-DRIVEN AUTOMATION. *International Journal of Responsible Artificial Intelligence*, *12*(1), 1-19.
207. Yaseen, A. (2023). THE UNFORESEEN DUET: WHEN SUPERCOMPUTING AND AI IMPROVISE THE FUTURE. *Eigenpub Review of Science and Technology*, *7*(1), 306-335.
208. Yaseen, A. (2021). REDUCING INDUSTRIAL RISK WITH AI AND AUTOMATION. *International Journal of Intelligent Automation and Computing*, *4*(1), 60-80.
209. Asif, M. K., Junaid, M. S., Hock, O. Y., & Md Rafiqul, I. (2016). Creative Accounting: Techniques of Application-An Empirical Study among Auditors and Accountants of Listed Companies in Bangladesh. *Australian Academy of Accounting and Finance Review (AAAFR)*, *2*(3).
210. Sylvester, D. C., Rani, N. S. A., & Shaikh, J. M. (2011). Comparison between oil and gas companies and contractors against cost, time, quality and scope for project success in Miri, Sarawak, Malaysia. *African Journal of Business Management*, *5*(11), 4337.
211. Abdullah, A., Khadaroo, I., & Shaikh, J. M. (2008). A'macro'analysis of the use of XBRL. *International Journal of Managerial and Financial Accounting*, *1*(2), 213-223.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

212. Kangwa, D., Mwale, J. T., & Shaikh, J. M. (2021). The social production of financial inclusion of generation Z in digital banking ecosystems. *Australasian Accounting, Business and Finance Journal*, *15*(3), 95-118.
213. Khadaroo, M. I., & Shaikh, J. M. (2003). Toward research and development costs harmonization. *The CPA Journal*, *73*(9), 50.
214. Jais, M., Jakpar, S., Doris, T. K. P., & Shaikh, J. M. (2012). The financial ratio usage towards predicting stock returns in Malaysia. *International Journal of Managerial and Financial Accounting*, *4*(4), 377-401.
215. Shaikh, J. M., & Jakpar, S. (2007). Dispelling and construction of social accounting in view of social audit. *Information Systems Control Journal*, *2*(6).
216. Jakpar, S., Shaikh, J. M., Tinggi, M., & Jamali, N. A. L. (2012). Factors influencing entrepreneurship in small and medium enterprises (SMEs) among residents in Sarawak Malaysia. *International Journal of Entrepreneurship and Small Business*, *16*(1), 83-101.
217. Sheng, Y. T., Rani, N. S. A., & Shaikh, J. M. (2011). Impact of SMEs character in the loan approval stage. *Business and Economics Research*, *1*, 229-233.
218. Boubaker, S., Mefteh, S., & Shaikh, J. M. (2010). Does ownership structure matter in explaining derivatives' use policy in French listed firms. *International Journal of Managerial and Financial Accounting*, *2*(2), 196-212.
219. Hla, D. T., bin Md Isa, A. H., & Shaikh, J. M. (2013). IFRS compliance and nonfinancial information in annual reports of Malaysian firms. *IUP Journal of Accounting Research & Audit Practices*, *12*(4), 7.
220. Shaikh, J. M., Khadaroo, I., & Jasmon, A. (2003). *Contemporary Accounting Issues (for BAcc. Students)*. Prentice Hall.
221. SHAMIL, M. M., SHAIKH, J. M., HO, P., & KRISHNAN, A. (2022). External Pressures, Managerial Motive and Corporate Sustainability Strategy: Evidence from a Developing Economy. *Asian Journal of Accounting & Governance*, *18*.
222. Kadir, S., & Shaikh, J. M. (2023, January). The effects of e-commerce businesses to small-medium enterprises: Media techniques and technology. In *AIP Conference Proceedings* (Vol. 2643, No. 1). AIP Publishing.
223. Ali Ahmed, H. J., Lee, T. L., & Shaikh, J. M. (2011). An investigation on asset allocation and performance measurement for unit trust funds in Malaysia using multifactor model: a post crisis period analysis. *International Journal of Managerial and Financial Accounting*, *3*(1), 22-31.
224. Shaikh, J. M., & Linh, D. T. B. (2017). Using the TFP Model to Determine Impacts of Stock Market Listing on Corporate Performance of Agri- Foods Companies in Vietnam. *Journal of Corporate Accounting & Finance*, *28*(3), 61-74.
225. Jakpar, S., Othman, M. A., & Shaikh, J. (2008). The Prospects of Islamic Banking and Finance: Lessons from the 1997 Banking Crisis in Malaysia. *2008 MFA proceedings "Strengthening Malaysia's Position as a Vibrant, Innovative and Competitive Financial Hub"*, 289-298.
226. Ghelani, D., Hua, T. K., & Koduru, S. K. R. (2022). A Model-Driven Approach for Online Banking Application Using AngularJS Framework. *American Journal of Information Science and Technology*, *6*(3), 52-63.
227. Ghelani, D. (2022). Cyber security, cyber threats, implications and future perspectives: A Review. *Authorea Preprints*.

228. Ghelani, D., Hua, T. K., & Koduru, S. K. R. (2022). Cyber Security Threats, Vulnerabilities, and Security Solutions Models in Banking. *Authorea Preprints*.
229. Ghelani, D., Hua, T. K., & Koduru, S. K. R. (2022). Cyber Security Threats, Vulnerabilities, and Security Solutions Models in Banking. *Authorea Preprints*.
230. Ghelani, D. (2022). What is Non-fungible token (NFT)? A short discussion about NFT Terms used in NFT. *Authorea Preprints*.
231. Ghelani, D. (2022). Cyber Security in Smart Grids, Threats, and Possible Solutions. *Authorea Preprints*.
232. Ghelani, D., & Hua, T. K. (2022). A Perspective Review on Online Food Shop Management System and Impacts on Business. *Advances in Wireless Communications and Networks*, *8*(1), 7-14.
233. Ghelani, D. (2022). LITERATURE REVIEW ON Coordinated Control of Interconnected Microgrid and Energy Storage System Dipteben Ghelani.
234. Ghelani, D. (2022). Complex Business Intelligence Queries in Natural Language.
235. Ghelani, D. (2023). A PERSPECTIVE STUDY OF NATURAL LANGUAGE PROCESSING IN THE BUSINESS INTELLIGENCE. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *7*(1), 20-36.
236. Ghelani, D. (2022). EXPLAINABLE AI: APPROACHES TO MAKE MACHINE LEARNING MODELS MORE TRANSPARENT AND UNDERSTANDABLE FOR HUMANS. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, *6*(4), 45-53.
237. Ghelani, D., & Hua, T. K. Conceptual Framework of Web 3.0 and Impact on Marketing, Artificial Intelligence, and Blockchain.
238. Shah, V. (2024). Next-Generation Space Exploration: AI-Enhanced Autonomous Navigation Systems. *Journal Environmental Sciences And Technology*, *3*(1), 47-64.
239. Liang, J., Wang, R., Liu, X., Yang, L., Zhou, Y., Cao, B., & Zhao, K. (2021, July). Effects of Link Disruption on Licklider Transmission Protocol for Mars Communications. In *International Conference on Wireless and Satellite Systems* (pp. 98-108). Cham: Springer International Publishing.
240. Liang, J., Liu, X., Wang, R., Yang, L., Li, X., Tang, C., & Zhao, K. (2023). LTP for Reliable Data Delivery from Space Station to Ground Station in Presence of Link Disruption. *IEEE Aerospace and Electronic Systems Magazine*.
241. Arif, H., Kumar, A., Fahad, M., & Hussain, H. K. (2023). Future Horizons: AI-Enhanced Threat Detection in Cloud Environments: Unveiling Opportunities for Research. *International Journal of Multidisciplinary Sciences and Arts*, *2*(2), 242-251.
242. Kumar, A., Fahad, M., Arif, H., & Hussain, H. K. (2023). Synergies of AI and Smart Technology: Revolutionizing Cancer Medicine, Vaccine Development, and Patient Care. *International Journal of Social, Humanities and Life Sciences*, *1*(1), 10-18.
243. Yang, L., Liang, J., Wang, R., Liu, X., De Sanctis, M., Burleigh, S. C., & Zhao, K. (2023). A Study of Licklider Transmission Protocol in Deep-Space Communications in Presence of Link Disruptions. *IEEE Transactions on Aerospace and Electronic Systems*.

244. Yang, L., Wang, R., Liang, J., Zhou, Y., Zhao, K., & Liu, X. (2022). Acknowledgment Mechanisms for Reliable File Transfer Over Highly Asymmetric Deep-Space Channels. *IEEE Aerospace and Electronic Systems Magazine*, *37*(9), 42-51.

245. Zhou, Y., Wang, R., Yang, L., Liang, J., Burleigh, S. C., & Zhao, K. (2022). A Study of Transmission Overhead of a Hybrid Bundle Retransmission Approach for Deep-Space Communications. *IEEE Transactions on Aerospace and Electronic Systems*, *58*(5), 3824-3839.

246. Fahad, M., Airf, H., Kumar, A., & Hussain, H. K. (2023). Securing Against APTs: Advancements in Detection and Mitigation. *BIN: Bulletin Of Informatics*, *1*(2).

247. Kumar, A., Fahad, M., Arif, H., & Hussain, H. K. (2023). Navigating the Uncharted Waters: Exploring Challenges and Opportunities in Block chain-Enabled Cloud Computing for Future Research. *BULLET: Jurnal Multidisiplin Ilmu*, *2*(6), 1297-1305.

248. Yang, L., Wang, R., Liu, X., Zhou, Y., Liang, J., & Zhao, K. (2021, July). An Experimental Analysis of Checkpoint Timer of Licklider Transmission Protocol for Deep-Space Communications. In *2021 IEEE 8th International Conference on Space Mission Challenges for Information Technology (SMC-IT)* (pp. 100-106). IEEE.

249. Zhou, Y., Wang, R., Liu, X., Yang, L., Liang, J., & Zhao, K. (2021, July). Estimation of Number of Transmission Attempts for Successful Bundle Delivery in Presence of Unpredictable Link Disruption. In *2021 IEEE 8th International Conference on Space Mission Challenges for Information Technology (SMC-IT)* (pp. 93-99). IEEE.

250. Liang, J. (2023). *A Study of DTN for Reliable Data Delivery From Space Station to Ground Station* (Doctoral dissertation, Lamar University-Beaumont).

251. Tinggi, M., Jakpar, S., Chin, T. B., & Shaikh, J. M. (2011). Customers? Confidence and trust towards privacy policy: a conceptual research of hotel revenue management. *International Journal of Revenue Management*, *5*(4), 350-368.

252. Alappatt, M., Sheikh, J. M., & Krishnan, A. (2010). Progress billing method of accounting for long-term construction contracts. *Journal of Modern Accounting and Auditing*, *6*(11), 41.

253. Krishnan, A., Chan, K. M., Jayaprakash, J. C. M., Shaikh, J. M., & Isa, A. H. B. M. (2008). Measurement of performance at institutions of higher learning: the balanced score card approach. *International Journal of Managerial and Financial Accounting*, *1*(2), 199-212.

254. Al-Takhayneh, S. K., Karaki, W., Chang, B. L., & Shaikh, J. M. (2022). Teachers' psychological resistance to digital innovation in jordanian entrepreneurship and business schools: Moderation of teachers' psychology and attitude toward educational technologies. *Frontiers in Psychology*, *13*, 1004078.

255. Mamun, M. A., & Shaikh, J. M. (2018). Reinventing strategic corporate social responsibility. *Journal of Economic & Management Perspectives*, *12*(2), 499-512.

256. Mwansa, S., Shaikh, J., & Mubanga, P. (2020). Special economic zones: An evaluation of Lusaka south-multi facility economic zone. *Journal of Social and Political Sciences*, *3*(2).

257. Rani, N. S. A., Hamit, N., Das, C. A., & Shaikh, J. M. (2011). Microfinance practices in Malaysia: from'kootu'concept to the replication of the Grameen Bank model. *Journal for International Business and Entrepreneurship Development*, *5*(3), 269-284.

258. Yuan, X., Kaewsaeng-On, R., Jin, S., Anuar, M. M., Shaikh, J. M., & Mehmood, S. (2022). Time lagged investigation of entrepreneurship school innovation climate and students motivational outcomes: Moderating role of students' attitude toward technology. *Frontiers in Psychology*, *13*, 979562.

259. Shamil, M. M. M., & Junaid, M. S. (2012). Determinants of corporate sustainability adoption in firms. In *2nd International Conference on Management. Langkawi, Malaysia*.

260. Ali Ahmed, H. J., & Shaikh, J. M. (2008). Dividend policy choice: do earnings or investment opportunities matter?. *Afro-Asian Journal of Finance and Accounting*, *1*(2), 151-161.

261. Odhigu, F. O., Yahya, A., Rani, N. S. A., & Shaikh, J. M. (2012). Investigation into the impacts of procurement systems on the performance of construction projects in East Malaysia. *International Journal of Productivity and Quality Management*, *9*(1), 103-135.

262. Shaikh, J. M. (2010). Reviewing ABC for effective managerial and financial accounting decision making in corporate entities. In *Allied Academies International Conference. Academy of Accounting and Financial Studies. Proceedings* (Vol. 15, No. 1, p. 47). Jordan Whitney Enterprises, Inc.

263. Ali Ahmed, H. J., Shaikh, J. M., & Isa, A. H. (2009). A comprehensive look at the re-examination of the re-evaluation effect of auditor switch and its determinants in Malaysia: a post crisis analysis from Bursa Malaysia. *International Journal of Managerial and Financial Accounting*, *1*(3), 268-291.

264. Abdullah, A., Khadaroo, I., & Shaikh, J. (2017). XBRL benefits, challenges and adoption in the US and UK: Clarification of a future research agenda. In *World Sustainable Development Outlook 2007* (pp. 181-188). Routledge.

265. Tinggi, M., Jakpar, S., Tiong, O. C., & Shaikh, J. M. (2014). Determinants on the choice of telecommunication providers among undergraduates of public universities. *International Journal of Business Information Systems*, *15*(1), 43-64.

266. Jasmon, A., & Shaikh, J. M. (2004). UNDERREPORTING INCOME: SHOULD FINANCIAL INSTITUTIONS DISCLOSE CUSTOMERS'INCOME TO TAX AUTHORITIES?. *JOURNAL OF INTERNATIONAL TAXATION*, *15*(8), 36-43.

267. Mwansa, S., Shaikh, J. M., & Mubanga, P. (2020). Investing in the Lusaka South Multi Facility Economic Zone. *Advances in Social Sciences Research Journal*, *7*(7), 974-990.

268. Junaid, M. S., & Dinh Thi, B. L. (2017). Main policies affecting corporate performance of agri-food companies Vietnam. *Academy of Accounting and Financial Studies Journal*, *21*(2).

269. Sheikh, M. J. (2015, November). Experiential learning in entrepreneurship education: A case Of CEFE methodology in Federal University of Technology Minna, Nigeria. Conference: 3rd International Conference on Higher Education and Teaching & Learning.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

270. Chafjiri, M. B., & Mahmoudabadi, A. (2018). Developing a conceptual model for applying the principles of crisis management for risk reduction on electronic banking. *American Journal of Computer Science and Technology*, *1*(1), 31-38.
271. Lynn, L. Y. H., Evans, J., Shaikh, J., & Sadique, M. S. (2014). Do Family-Controlled Malaysian Firms Create Wealth for Investors in the Context of Corporate Acquisitions. *Capital Market Review*, *22*(1&2), 1-26.
272. Shamil, M. M. M., Shaikh, J. M., Ho, P. L., & Krishnan, A. (2012). The Relationship between Corporate Sustainability and Corporate Financial Performance: A Conceptual Review. In *Proceedings of USM-AUT International Conference 2012 Sustainable Economic Development: Policies and Strategies* (Vol. 167, p. 401). School of Social Sciences, Universiti Sains Malaysia.
273. Chafjiri, M. B., & Mahmoudabadi, A. (2018). Developing a conceptual model for applying the principles of crisis management for risk reduction on electronic banking. *American Journal of Computer Science and Technology*, *1*(1), 31-38.
274. Lynn, L. Y. H., & Shaikh, J. M. (2010). Market Value Impact of Capital Investment Announcements: Malaysia Case. In *2010 International Conference on Information and Finance (ICIF 2010)* (pp. 306-310). Institute of Electrical and Electronics Engineers, Inc..
275. Shaikh, J. (2010). Risk Assessment: Strategic Planning and Challenges while Auditing. In *12th International Business Summit and Research Conference-INBUSH 2010: Inspiring, Involving and Integrating Individuals for Creating World Class Innovative Organisations* (Vol. 2, No. 2, pp. 10-27). Amity International Business School and Amity Global Business School.
276. Shaikh, J. M. (2008). Hewlett-Packard Co.(HP) accounting for decision analysis: a case in International financial statement Analysis. *International Journal of Managerial and financial Accounting*, *1*(1), 75-96.
277. Jasmon, A., & Shaikh, J. M. (2003). A PRACTITIONER'S GUIDE TO GROUP RELIEF. *JOURNAL OF INTERNATIONAL TAXATION*, *14*(1), 46-54.
278. Kangwa, D., Mwale, J. T., & Shaikh, J. M. (2020). Co-Evolutionary Dynamics Of Financial Inclusion Of Generation Z In A Sub-Saharan Digital Financial Ecosystem. *Copernican Journal of Finance & Accounting*, *9*(4), 27-50.
279. ZUBAIRU, U. M., SAKARIYAU, O. B., & JUNAID, M. S. (2015). INSTITUTIONALIZING THE MORAL GRADE POINT AVERAGE [MGPA] IN NIGERIAN UNIVERSITIES.
280. Shaikh, J., & Evans, J. (2013). CORPORATE ACQUISITIONS OF MALAYSIAN FAMILYCONTROLLED FIRMS. *All rights reserved. No part of this publication may be reproduced, distributed, stored in a database or retrieval system, or transmitted, in any form or by any means, electronics, mechanical, graphic, recording or otherwise, without the prior written permission of Universiti Malaysia Sabah, except as permitted by Act 332, Malaysian Copyright Act of 1987. Permission of rights is subjected to royalty or honorarium payment.*, *7*, 474.
281. Jasmon, A., & Shaikh, J. M. (2001). How to maximize group loss relief. *Int'l Tax Rev.*, *13*, 39.
282. SHAMIL, M., SHAIKH, J., HO, P., & KRISHNAN, A. External Pressures. *Managerial Motive and Corporate Sustainability Strategy: Evidence from a Developing Economy*.
283. Bhasin, M. L., & Shaikh, J. M. (2012). Corporate governance through an audit committee: an empirical study. *International Journal of Managerial and Financial Accounting*, *4*(4), 339-365.

Journal Of Environmental Sciences And Technology

Volume No: 03 Issue No: 01 (2024)

284. Ahmed, H. J. A., Lee, T. L., & Shaikh, J. M. (2011). An investigation on asset allocation and performance measurement for unit trust funds in Malaysia using multifactor model: a post crisis period analysis. *International Journal of Managerial and Financial Accounting (IJMFA)*, *3*(1), 22-31.
285. Wang, Q., Azam, S., Murtza, M. H., Shaikh, J. M., & Rasheed, M. I. (2023). Social media addiction and employee sleep: implications for performance and wellbeing in the hospitality industry. *Kybernetes*.
286. Jasmon, A., & Shaikh, J. M. (2003). Tax strategies to discourage thin capitalization. *Journal of International Taxation*, *14*(4), 36-44.
287. Shaikh, J. M., & Mamun, M. A. (2021). Impact of Globalization Versus Annual Reporting: A Case. *American Journal of Computer Science and Technology*, *4*(3), 46-54.
288. M. Shamil, M., M. Shaikh, J., Ho, P. L., & Krishnan, A. (2014). The influence of board characteristics on sustainability reporting: Empirical evidence from Sri Lankan firms. *Asian Review of Accounting*, *22*(2), 78-97.
289. Shaikh, J. M., Islam, M. R., & Karim, A. M. Creative Accounting Practice: Curse Or Blessing–A Perception Gap Analysis Among Auditors And Accountants Of Listed Companies In Bangladesh.
290. Shamil, M. M., Gooneratne, D. W., Gunathilaka, D., & Shaikh, J. M. (2023). The effect of board characteristics on tax aggressiveness: the case of listed entities in Sri Lanka. *Journal of Accounting in Emerging Economies*, (ahead-of-print).
291. Shaikh, I. M., Alsharief, A., Amin, H., Noordin, K., & Shaikh, J. (2023). Inspiring academic confidence in university students: perceived digital experience as a source of self-efficacy. *On the Horizon: The International Journal of Learning Futures*, *31*(2), 110-122.
292. Shaikh, J. M. (2023). Considering the Ethics of Accounting in Managing Business Accounts: A Review. *TESS Res Econ Bus*, *2*(1), 115.
293. Naruddin, F., & Shaikh, J. M. (2022). The Effect of Stress on Organizational Commitment, Job Performance, and Audit Quality of Auditors in Brunei.
294. Izzaty, D. N., Shaikh, J. M., & Talha, M. (2023). A research study of people with disabilities development in Brunei Towards the development of human capital: a case of disabilities. *International Journal of Applied Research in Management, Economics and Accounting*, *1*(1), 22-30.
295. Tin Hla, D., Hassan, A., & Shaikh, J. (2013). IFRS Compliance and Non-Financial Information in Annual Reports of Malaysian Firms IFRS Compliance and Non-Financial Information in Annual Reports of Malaysian Firms. *The IUP journal of accounting research and audit*, *12*, 7-24.
296. Yeo, T. S., Abdul Rani, N. S., & Shaikh, J. (2010). Impacts of SMEs Character in The Loan Approval Stage. In *Conference Proceeding*. Institute of Electrical and Electronics Engineers, Inc..
297. Papa, M., Sensini, L., Kar, B., Pradhan, N. C., Farquad, M. A. H., Zhu, Y., ... & Mazı, F. Research Journal of Finance and Accounting.
298. Shaikh, J. M., & Linh, D. T. B. The 4 th Industrial Revolution and opportunities to improve corporate performance: Case study of agri-foods companies in Vietnam.