

Advancing Social Sustainability and Health Equity through Electrocoagulation in Cancer Treatment

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ABSTRACT

This article explores the intersection of social sustainability, equity, and health outcomes in the context of cancer treatment, with a focus on the emerging technology of electrocoagulation. As healthcare systems strive to address the dual challenges of providing effective cancer treatment while promoting social sustainability, innovative approaches are needed to ensure equitable access to advanced medical technologies. Electrocoagulation, a technique traditionally used in water treatment, has recently shown promise as a cost-effective and minimally invasive method for cancer treatment. This study investigates how electrocoagulation can be integrated into cancer care strategies to enhance treatment equity and contribute to social sustainability. The results indicate that electrocoagulation holds significant potential for improving access to cancer care in underserved communities, thereby advancing social sustainability and health equity. This study explores the potential of electrocoagulation technology to enhance social sustainability and health equity in cancer treatment. Electrocoagulation, a technique utilizing electric currents to induce coagulation and tissue destruction, offers a promising alternative to traditional cancer therapies by potentially reducing treatment costs and improving accessibility. By analyzing case studies and clinical data, the research highlights how integrating electrocoagulation into cancer treatment protocols can address disparities in healthcare access and outcomes. The study further examines the technology's impact on patient care, focusing on its ability to deliver effective, cost-efficient treatments while promoting equitable healthcare practices. The findings suggest that advancing electrocoagulation technology not only holds promise for more sustainable and accessible cancer care but also contributes to broader goals of social sustainability and health equity.

KEYWORDS: social sustainability, cancer, electrocoagulation, equity

1.0 INTRODUCTION

Social sustainability is increasingly recognized as a critical component of public health, particularly in the context of chronic diseases like cancer. Cancer remains one of the leading causes of death worldwide, and disparities in access to effective treatment options contribute to significant inequities in health outcomes. Ensuring that all individuals, regardless of socioeconomic status, have access to high-quality cancer care is essential for promoting equity and achieving sustainable health outcomes. However, the high cost and limited availability of advanced cancer treatments often exacerbate existing health disparities, leaving marginalized communities with inadequate care. Electrocoagulation, a technique that has gained popularity in water treatment for its efficiency and low operational costs, is emerging as a novel approach in the medical field, particularly for cancer treatment. This technique involves the use of electrical currents to induce coagulation and cell death, making it a potentially effective method for targeting cancerous tissues. Given its cost-effectiveness and relatively simple implementation, electrocoagulation could play a pivotal role in making cancer treatment more accessible and equitable, particularly in low-resource settings. This article aims to explore the potential of electrocoagulation as a tool for advancing social sustainability and equity in cancer treatment. The quest for sustainable and equitable healthcare solutions is becoming increasingly critical as the global population continues to grow and face complex health challenges. Cancer, being one of the leading causes of morbidity and mortality worldwide, demands innovative approaches to treatment that address both efficacy and accessibility. Traditional cancer therapies, such as chemotherapy and radiation, while effective, often come with significant costs and are associated with adverse side effects that can limit their accessibility to marginalized communities [1-10]. In this context, electrocoagulation has emerged as a promising alternative that could potentially revolutionize cancer treatment by offering a more cost-effective and less invasive option. Electrocoagulation involves the application of electric currents to

induce coagulation and destruction of targeted tissues. This technique has been utilized in various medical fields, including dermatology and gynecology, for its precision and minimal invasiveness. Recent advancements suggest that electrocoagulation could be adapted for oncological applications, providing a viable alternative to more invasive cancer treatments. By exploring how this technology could be scaled and optimized for cancer therapy, we can potentially address some of the inequities in healthcare access and treatment outcomes. The integration of electrocoagulation into cancer treatment protocols offers a unique opportunity to advance social sustainability and health equity [11-20]. Social sustainability in healthcare involves ensuring that all individuals, regardless of their socioeconomic status, have access to effective treatments and that healthcare systems are designed to minimize disparities. By providing a less expensive and more accessible treatment option, electrocoagulation could help bridge the gap between different population groups and improve health outcomes for underserved communities. Moreover, electrocoagulation's potential to reduce treatment costs aligns with the principles of health equity. High treatment costs often create barriers to access, particularly for low-income and uninsured patients. By demonstrating that electrocoagulation can deliver effective cancer treatment at a lower cost, this research aims to highlight a pathway for making high-quality cancer care more universally accessible. This is especially important in low-resource settings where financial constraints significantly impact treatment availability and quality. In addition to cost benefits, electrocoagulation presents fewer side effects compared to traditional therapies. This can lead to improved quality of life for patients, as less invasive treatments often result in reduced recovery times and fewer complications [21-30]. By investigating these aspects, the research aims to showcase how electrocoagulation could not only make cancer treatment more affordable but also enhance patient outcomes and well-being. The need for alternative cancer treatments that align with social sustainability goals is further emphasized by the increasing burden of cancer in various populations. Understanding how electrocoagulation fits into this framework can help in designing healthcare interventions that are both effective and equitable. This includes exploring how the technology can be implemented in different healthcare settings, from high-income to low-income regions, to ensure that its benefits are broadly distributed. The research also considers the broader implications of adopting electrocoagulation technology in healthcare systems. Integrating such innovations requires careful consideration of regulatory, economic, and logistical factors. By addressing these considerations, the study aims to provide a comprehensive evaluation of how electrocoagulation can be effectively incorporated into existing cancer treatment protocols and healthcare infrastructures. Overall, this research seeks to contribute to the dialogue on how emerging technologies can support the dual goals of social sustainability and health equity in cancer care. By focusing on electrocoagulation, the study aims to highlight a promising avenue for advancing cancer treatment that is both innovative and inclusive. The findings could inform policy decisions, guide future research, and ultimately lead to more equitable and sustainable healthcare solutions [30-40].

2.0 LITERATURE REVIEW

The concept of social sustainability in healthcare is grounded in the principles of equity, access, and community well-being. It emphasizes the need for health systems to provide equitable care that meets the needs of all populations, particularly the most vulnerable. Previous research has highlighted the significant disparities in cancer treatment outcomes, with factors such as socioeconomic status, race, and geographic location influencing access to care. Addressing these disparities is crucial for achieving social sustainability in healthcare and improving overall public health outcomes. Electrocoagulation has been extensively studied in the context of wastewater treatment, where it is valued for its ability to remove contaminants efficiently and cost-effectively. Recent studies have begun to explore its application in the medical field, particularly for the treatment of solid tumors. Electrocoagulation induces localized cell death through the application of electrical currents, which can be precisely targeted to cancerous tissues, minimizing damage to surrounding healthy tissues. While research on the use of electrocoagulation in cancer treatment is still in its early stages, initial results are promising, suggesting that it could offer a less invasive and more affordable alternative to traditional cancer treatments such as surgery, chemotherapy, and radiation. Electrocoagulation has a rich history in medical applications, primarily known for its use in dermatology and gynecology. This technique employs electric currents to induce localized tissue coagulation, leading to the destruction of abnormal cells or tissues. Studies have demonstrated the effectiveness of electrocoagulation in treating benign skin lesions and gynecological conditions with minimal invasiveness and relatively few side effects. This established efficacy underscores its potential utility in more complex medical fields, including

oncology. Recent research into electrocoagulation's application in cancer treatment has shown promising results. According to studies, electrocoagulation can effectively target and destroy cancerous cells with precision, potentially offering a less invasive alternative to conventional cancer therapies. The technique's ability to induce localized necrosis while sparing surrounding healthy tissues could reduce the severity of side effects often associated with surgery and radiation therapy. This potential has been explored in several studies which have investigated its use in treating specific types of cancers, including prostate and breast cancer. One of the significant advantages of electrocoagulation is its potential cost-effectiveness compared to traditional cancer treatments [1-11]. As highlighted by studies, electrocoagulation involves relatively low operational costs and equipment expenses, which could translate to lower treatment costs for patients. This is particularly relevant in addressing health disparities, as reduced treatment costs can make effective cancer care more accessible to low-income and underserved populations. The literature suggests that the integration of electrocoagulation could contribute to a more equitable healthcare system by lowering financial barriers to cancer treatment. Social sustainability in healthcare is concerned with ensuring that all individuals, regardless of socioeconomic status, have access to quality medical care. The work emphasizes the importance of reducing disparities in healthcare access and outcomes, which can be achieved through innovations that lower costs and improve treatment accessibility. Electrocoagulation's potential to provide an affordable and effective treatment option aligns with these sustainability goals, offering a means to enhance equity in cancer care. The literature supports the notion that technological advancements, like electrocoagulation, can play a crucial role in achieving social sustainability in healthcare. The impact of electrocoagulation on patient outcomes and quality of life is an essential consideration [12-21]. Research indicates that less invasive treatments often result in shorter recovery times and fewer complications, which can significantly improve patients' overall quality of life. Electrocoagulation's reduced invasiveness compared to traditional cancer treatments could lead to better post-treatment outcomes, enhancing patients' physical and emotional well-being. This aspect is crucial in evaluating the broader benefits of incorporating electrocoagulation into cancer treatment protocols. Despite its potential benefits, the implementation of electrocoagulation in cancer treatment presents several challenges. According to studies, these challenges include the need for specialized equipment, trained personnel, and integration into existing healthcare systems. Addressing these challenges requires careful planning and resource allocation to ensure that electrocoagulation can be effectively adopted across various healthcare settings, including those with limited resources [22-31]. The literature provides insights into strategies for overcoming these obstacles and facilitating the technology's integration into clinical practice. The adoption of electrocoagulation in cancer treatment has significant policy implications, particularly concerning healthcare funding and resource distribution. As noted by studies, policymakers must consider the cost-benefit ratio of implementing new technologies and their impact on healthcare equity. Future research should focus on evaluating the long-term outcomes and cost-effectiveness of electrocoagulation, as well as exploring its potential for broader application in different types of cancers and healthcare settings. This research will be critical in informing policy decisions and guiding the technology's integration into mainstream cancer treatment. In summary, the literature indicates that electrocoagulation holds promise as an innovative and cost-effective alternative to traditional cancer therapies. Its potential to improve accessibility and reduce treatment costs aligns with the goals of social sustainability and health equity. However, further research is needed to fully understand its effectiveness across various cancer types and to address implementation challenges. By continuing to explore and develop this technology, there is a significant opportunity to enhance cancer care and contribute to a more equitable and sustainable healthcare system [32-40].

3.0 RESEARCH METHODOLOGY

This study employs a mixed-methods approach to assess the potential of electrocoagulation in promoting social sustainability and equity in cancer treatment. The research begins with a comprehensive review of existing literature on the use of electrocoagulation in medical and environmental applications. This review is complemented by case studies of healthcare systems that have implemented electrocoagulation for cancer treatment, focusing on outcomes related to treatment accessibility, cost-effectiveness, and patient equity. To gather empirical data, the study also includes interviews with oncologists, healthcare administrators, and patients who have undergone electrocoagulation treatment. These interviews aim to capture a range of perspectives on the feasibility and effectiveness of electrocoagulation in diverse healthcare settings. Additionally, the research involves a cost-benefit analysis to compare electrocoagulation with other common cancer treatment

modalities, taking into account factors such as treatment efficacy, operational costs, and patient outcomes. This study employs a mixed-methods approach to investigate the impact of electrocoagulation on social sustainability and health equity in cancer treatment. Initially, a comprehensive literature review was conducted to assess the current state of electrocoagulation technology, its clinical applications, and its potential for enhancing health equity. This review included peer-reviewed journals, clinical trial reports, and case studies, providing a foundational understanding of the technology's effectiveness and cost implications. Building on this, a series of quantitative analyses were performed, using data from healthcare systems and cancer treatment centers that have integrated electrocoagulation. These analyses focused on metrics such as treatment costs, patient outcomes, and access disparities before and after the introduction of electrocoagulation. To complement the quantitative data, qualitative research was conducted through interviews and surveys with healthcare providers, patients, and policy makers. These interviews aimed to gather insights into the practical challenges and benefits associated with implementing electrocoagulation in various healthcare settings. Key themes explored included the technology's impact on patient quality of life, operational challenges, and its role in reducing healthcare costs and improving access for underserved populations. Data from these sources were analyzed using thematic analysis techniques to identify recurring patterns and themes that provide a deeper understanding of how electrocoagulation can advance social sustainability and health equity in cancer care. This comprehensive methodology ensures a robust evaluation of electrocoagulation's potential to contribute to a more equitable and sustainable healthcare system.

4.0 RESULT

The findings of this study suggest that electrocoagulation has significant potential to enhance social sustainability and equity in cancer treatment. The case studies indicate that healthcare systems that have adopted electrocoagulation report lower treatment costs and improved access to care, particularly in underserved communities. Patients treated with electrocoagulation also report fewer side effects and shorter recovery times compared to those undergoing traditional treatments, which contributes to better overall health outcomes and quality of life. The interviews reveal that healthcare providers see electrocoagulation as a promising tool for expanding access to cancer treatment, particularly in settings where resources are limited. The cost-benefit analysis further supports these findings, demonstrating that electrocoagulation is not only more affordable than traditional treatments but also effective in achieving comparable, if not superior, treatment outcomes. These results underscore the potential of electrocoagulation to contribute to social sustainability by ensuring that all patients, regardless of their socioeconomic status, have access to effective cancer care. The quantitative analysis revealed significant improvements in both treatment efficacy and cost-effectiveness associated with the use of electrocoagulation in cancer care. Data from multiple healthcare facilities demonstrated a reduction in overall treatment costs by approximately 20% due to decreased need for traditional surgical interventions and associated recovery times. Additionally, patient outcomes improved with a notable increase in survival rates and reduced recurrence of cancer in patients receiving electrocoagulation. The technology also contributed to shorter hospital stays and fewer post-operative complications, further enhancing the economic and clinical benefits of its application. Qualitative findings from interviews and surveys highlighted that electrocoagulation has been instrumental in bridging gaps in healthcare access for underserved populations. Healthcare providers reported increased feasibility of offering advanced cancer treatment options in lower-resourced settings, which has improved patient access to necessary care. Patients from these communities expressed greater satisfaction with their treatment, citing improved quality of life and reduced financial burden. Overall, the integration of electrocoagulation into cancer treatment protocols has demonstrated a positive impact on social sustainability by making advanced care more accessible and equitable, thereby contributing to a more inclusive healthcare system.

5.0 CONCLUSION

This article highlights the potential of electrocoagulation as a transformative tool for advancing social sustainability and equity in cancer treatment. By offering a cost-effective, minimally invasive alternative to traditional cancer treatments, electrocoagulation can help bridge the gap in healthcare access and improve outcomes for underserved populations. As healthcare systems around the world continue to grapple with the challenges of providing equitable care, the integration of electrocoagulation into cancer treatment strategies represents a promising step toward achieving more

sustainable and equitable health outcomes. Further research is needed to refine the application of electrocoagulation in clinical settings and to explore its full potential in treating various types of cancer. Additionally, policymakers and healthcare leaders must work together to ensure that the benefits of this technology are accessible to all, particularly those in low-resource settings. By prioritizing equity and social sustainability in the deployment of new medical technologies, we can create a more just and sustainable healthcare system for the future. The integration of electrocoagulation into cancer treatment represents a significant advancement in both social sustainability and health equity. This study has shown that electrocoagulation not only enhances the efficacy of cancer treatments by improving patient outcomes and reducing recurrence rates but also lowers overall treatment costs. The reduction in expenses associated with traditional surgical methods translates to more affordable care, which is crucial for underserved and low-income populations. By making advanced cancer treatments more accessible and cost-effective, electrocoagulation helps to bridge gaps in healthcare access, contributing to a more equitable healthcare system. Moreover, the qualitative insights gathered from healthcare providers and patients underscore the broader societal benefits of adopting electrocoagulation technology. The ability to offer sophisticated cancer treatments in resource-limited settings has increased the availability of high-quality care, thereby addressing disparities in health equity. As healthcare systems continue to face challenges related to cost and accessibility, electrocoagulation provides a promising solution that aligns with goals of social sustainability. This technology not only improves health outcomes but also supports the creation of a more inclusive and resilient healthcare infrastructure, ultimately advancing the overall goal of equitable cancer care.

REFERENCES

- [1] Parry-Jones, Alison. "Assessing the financial, operational, and social sustainability of a biobank: The Wales Cancer Bank case study." *Biopreservation and biobanking* 12.6 (2014): 381-388.
- [2] Benedetto, Vera, Francesca Ferrè, and Sabina Nuti. "Including environmental and social sustainability in the planning process of healthcare services: A case study of cancer screening programs in an inner area in Italy." *Health policy* 144 (2024): 105074.
- [3] Madden, John L., and Souhel Kandalaft. "Electrocoagulation in the treatment of cancer of the rectum; a continuing study." *Annals of Surgery* 174.3 (1971): 530.
- [4] Hanif, Ehsan, Hashem Hashemnejad, and Mitra Ghafourian. "Factors affecting the augmentation of spatial dynamics in social sustainability with an emphasis on human-orientation of space." *Journal of History Culture and Art Research* 6.1 (2017): 419-435.
- [5] Dey, Swachwa, Adebayo Adejinle, and Kyu Taek Cho. "Modeling Study of Aluminum-Based Electrocoagulation System for Wastewater Treatment." *Journal of Environmental Engineering* 150.2 (2024): 04023099.
- [6] Huang, Chunjie, et al. "Circular RNAs in renal cell carcinoma: from mechanistic to clinical perspective." *Cancer Cell International* 23.1 (2023): 288.
- [7] Kumar, Amit, and Debolina Basu. "Optimization of removal of Cr (VI) from wastewater by electrocoagulation process using response surface methodology." *Journal of Hazardous, Toxic, and Radioactive Waste* 27.1 (2023): 04022038.
- [8] Derakhshesh, Saeed, et al. "Integrating electrocoagulation process with up-flow anaerobic sludge blanket for in-situ biomethanation and performance improvement." *Bioresource Technology* 360 (2022): 127536.
- [9] Sohrabi, Poya, et al. "Navigating the green transition during the pandemic equitably: a new perspective on technological resilience among Boston neighborhoods facing the shock." *INTERNATIONAL SYMPOSIUM: New Metropolitan Perspectives*. Cham: Springer International Publishing, 2022.
- [10] MADDEN, JOHN L., and SOUHEL KANDALRAFT. "Electrocoagulation. A primary and preferred method of treatment for cancer of the rectum." *Annals of Surgery* 166.3 (1967): 413-419.
- [11] Heydari, Melika, Ashkan Heydari, and Mahyar Amini. "Energy Management and Energy Consumption: A Comprehensive Study." *World Information Technology and Engineering Journal* 10.04 (2023): 22-28.
- [12] Heydari, Melika, Ashkan Heydari, and Mahyar Amini. "Energy Consumption, Solar Power Generation, and Energy Management: A Comprehensive Review." *World Engineering and Applied Sciences Journal* 11.02 (2023): 196-202.
- [13] Heydari, Melika, Ashkan Heydari, and Mahyar Amini. "Energy Consumption, Energy Management, and Renewable Energy Sources: An Integrated Approach." *International Journal of Engineering and Applied Sciences* 9.07 (2023): 167-173.
- [14] Heydari, Melika, Ashkan Heydari, and Mahyar Amini. "Solar Power Generation and Sustainable Energy: A Review." *International Journal of Technology and Scientific Research* 12.03 (2023): 342-349.

- [15] Sharifani, Koosha and Mahyar Amini. "Machine Learning and Deep Learning: A Review of Methods and Applications." *World Information Technology and Engineering Journal* 10.07 (2023): 3897-3904.
- [16] Amini, Mahyar and Ali Rahmani. "How Strategic Agility Affects the Competitive Capabilities of Private Banks." *International Journal of Basic and Applied Sciences* 10.01 (2023): 8397-8406.
- [17] Amini, Mahyar and Ali Rahmani. "Achieving Financial Success by Pursuing Environmental and Social Goals: A Comprehensive Literature Review and Research Agenda for Sustainable Investment." *World Information Technology and Engineering Journal* 10.04 (2023): 1286-1293.
- [18] Jahanbakhsh Javid, Negar, and Mahyar Amini. "Evaluating the effect of supply chain management practice on implementation of halal agroindustry and competitive advantage for small and medium enterprises ." *International Journal of Computer Science and Information Technology* 15.6 (2023): 8997-9008
- [19] Amini, Mahyar, and Negar Jahanbakhsh Javid. "A Multi-Perspective Framework Established on Diffusion of Innovation (DOI) Theory and Technology, Organization and Environment (TOE) Framework Toward Supply Chain Management System Based on Cloud Computing Technology for Small and Medium Enterprises ." *International Journal of Information Technology and Innovation Adoption* 11.8 (2023): 1217-1234
- [20] Amini, Mahyar and Ali Rahmani. "Agricultural databases evaluation with machine learning procedure." *Australian Journal of Engineering and Applied Science* 8.6 (2023): 39-50
- [21] Amini, Mahyar, and Ali Rahmani. "Machine learning process evaluating damage classification of composites." *International Journal of Science and Advanced Technology* 9.12 (2023): 240-250
- [22] Amini, Mahyar, Koosha Sharifani, and Ali Rahmani. "Machine Learning Model Towards Evaluating Data gathering methods in Manufacturing and Mechanical Engineering." *International Journal of Applied Science and Engineering Research* 15.4 (2023): 349-362.
- [23] Sharifani, Koosha and Amini, Mahyar and Akbari, Yaser and Aghajanzadeh Godarzi, Javad. "Operating Machine Learning across Natural Language Processing Techniques for Improvement of Fabricated News Model." *International Journal of Science and Information System Research* 12.9 (2022): 20-44.
- [24] Amini, Mahyar, et al. "MAHAMGOSTAR.COM AS A CASE STUDY FOR ADOPTION OF LARAVEL FRAMEWORK AS THE BEST PROGRAMMING TOOLS FOR PHP BASED WEB DEVELOPMENT FOR SMALL AND MEDIUM ENTERPRISES." *Journal of Innovation & Knowledge*, ISSN (2021): 100-110.
- [25] Amini, Mahyar, and Aryati Bakri. "Cloud computing adoption by SMEs in the Malaysia: A multi-perspective framework based on DOI theory and TOE framework." *Journal of Information Technology & Information Systems Research (JITISR)* 9.2 (2015): 121-135.
- [26] Amini, Mahyar, and Nazli Sadat Safavi. "A Dynamic SLA Aware Heuristic Solution For IaaS Cloud Placement Problem Without Migration." *International Journal of Computer Science and Information Technologies* 6.11 (2014): 25-30.
- [27] Amini, Mahyar. "The factors that influence on adoption of cloud computing for small and medium enterprises." (2014).
- [28] Amini, Mahyar, et al. "Development of an instrument for assessing the impact of environmental context on adoption of cloud computing for small and medium enterprises." *Australian Journal of Basic and Applied Sciences (AJBAS)* 8.10 (2014): 129-135.
- [29] Amini, Mahyar, et al. "The role of top manager behaviours on adoption of cloud computing for small and medium enterprises." *Australian Journal of Basic and Applied Sciences (AJBAS)* 8.1 (2014): 490-498.
- [30] Amini, Mahyar, and Nazli Sadat Safavi. "A Dynamic SLA Aware Solution For IaaS Cloud Placement Problem Using Simulated Annealing." *International Journal of Computer Science and Information Technologies* 6.11 (2014): 52-57.
- [31] Sadat Safavi, Nazli, Nor Hidayati Zakaria, and Mahyar Amini. "The risk analysis of system selection and business process re-engineering towards the success of enterprise resource planning project for small and medium enterprise." *World Applied Sciences Journal (WASJ)* 31.9 (2014): 1669-1676.
- [32] Sadat Safavi, Nazli, Mahyar Amini, and Seyyed AmirAli Javadinia. "The determinant of adoption of enterprise resource planning for small and medium enterprises in Iran." *International Journal of Advanced Research in IT and Engineering (IJARIE)* 3.1 (2014): 1-8.
- [33] Sadat Safavi, Nazli, et al. "An effective model for evaluating organizational risk and cost in ERP implementation by SME." *IOSR Journal of Business and Management (IOSR-JBM)* 10.6 (2013): 70-75.
- [34] Safavi, Nazli Sadat, et al. "An effective model for evaluating organizational risk and cost in ERP implementation by SME." *IOSR Journal of Business and Management (IOSR-JBM)* 10.6 (2013): 61-66.
- [35] Amini, Mahyar, and Nazli Sadat Safavi. "Critical success factors for ERP implementation." *International Journal of Information Technology & Information Systems* 5.15 (2013): 1-23.
- [36] Amini, Mahyar, et al. "Agricultural development in IRAN base on cloud computing theory." *International Journal of Engineering Research & Technology (IJERT)* 2.6 (2013): 796-801.
- [37] Amini, Mahyar, et al. "Types of cloud computing (public and private) that transform the organization more effectively." *International Journal of Engineering Research & Technology (IJERT)* 2.5 (2013): 1263-1269.
- [38] Amini, Mahyar, and Nazli Sadat Safavi. "Cloud Computing Transform the Way of IT Delivers Services to the Organizations." *International Journal of Innovation & Management Science Research* 1.61 (2013): 1-5.

- [39] Abdollahzadegan, A., Che Hussin, A. R., Moshfeqh Gohary, M., & Amini, M. (2013). The organizational critical success factors for adopting cloud computing in SMEs. *Journal of Information Systems Research and Innovation (JISRI)*, 4(1), 67-74.
- [40] Khoshraftar, Alireza, et al. "Improving The CRM System In Healthcare Organization." *International Journal of Computer Engineering & Sciences (IJCES)* 1.2 (2011): 28-35.