

Associate Professor Dr. Main Naser Alolayyan

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Chairman - Department of Health Management and Policy – Collage of Medicine –
Jordan University of Science and Technology.

<u>Summary</u>	<i>Dynamic academic leader and healthcare management professional with over 16 years of experience in teaching, research, and organizational leadership across Jordan, UAE, and KSA. I specialized in healthcare quality management, operational flexibility, strategic management, and policy development. Committed to advancing healthcare service delivery through innovative teaching, evidence-based research, and strategic leadership. Seeking to contribute expertise in healthcare management, curriculum development, and academic excellence to institutions aiming to improve healthcare outcomes, foster innovation, and achieve accreditation and international recognition in the field of medical and health sciences.</i>
<u>Career Summary</u>	<ul style="list-style-type: none">■ Currently working as Chairman and Associate Professor in Healthcare Management and Policy Department – Faculty of Medicine in Jordan University of Science and Technology - Irbid – Jordan, from September 2023 – Until Now.■ Associate Professor in Healthcare Management and Policy in Jordan University of Science and Technology - Irbid – Jordan, from September 2022 – Until Now.■ Assistant Professor and (Acting Head of two departments for Health Service Management and Health Information Management department) in Liwa University , <i>Abu Dhabi – UAE</i>, (18 September 2016 – 31-July-2018).■ Assistant Professor in Alkhawarizmi International Collage, <i>Abu Dhabi – UAE</i> (22-6-2013 to 18-9-2016).■ Presented many articles in several international conferences in Spain, Jordan, Indonesia, Malaysia, UAE, KSA and Helsinki.
<u>Current Administrative and Academic Responsibilities</u>	<ul style="list-style-type: none">- Chair, Scientific Research Committee, Department of Health Management and Policy.- Chair, Graduate Studies Committee, Department of Health Management and Policy.- Certified Trainer, Deanship of Academic Development and Quality.- Member, Curriculum Committee, College of Medicine.- Member, Advisory Board, Department of Health Services Management, University of Sharjah
<u>Education</u>	<ul style="list-style-type: none">■ Doctor of Philosophy Ph.D. - Healthcare Management – Specialist in (Healthcare Quality Management), (Healthcare Operational Flexibility) and (Healthcare Management and Productivity Improvement).

	<p>National University of Malaysia (UKM) Malaysia 2012 (university ranking = QS World University Rankings (# 5 in Southeast Asia) (QS World University Rankings® 2026) (126) (From the best 200 in the world</p> <ul style="list-style-type: none"> ■ Master of Science Health Services Management Yarmouk University - Jordan (in the cooperation with the Royal College of Surgeons in Ireland, RCSI) 2006 ■ Bachelor of Science in Medical and Health Technology, Baghdad University 2002 Baghdad – Iraq
<p><u>Experience</u></p>	<ul style="list-style-type: none"> - Chairman & Associate Professor - Department of Health Management and Policy, Jordan University of Science and Technology (JUST) - 09/2023 - Present - Jordan - Duties and Responsibilities: - Spearhead the strategic direction, academic development, and administrative operations of the department. - Lead the successful development and university approval of a new master's program in Smart Systems in Healthcare Management and Policy. - Mentor junior faculty and supervise graduate student research in healthcare management and policy. - Secure and manage externally funded research projects focused on hospital performance and health informatics. - Represent the department in university committees and foster national/international academic collaborations. - Active participation in various activities in the department and college student activities. - Conducting voluntary training workshops for students, which enhances their skills. - Associate Professor - Department of Healthcare Management and Policy, Jordan University of Science and Technology (JUST), Jordan - 09/2022 – until now – Jordan. - Duties and Responsibilities: - Delivered advanced graduate and undergraduate courses in healthcare quality, strategy, and operations management. - Published high-impact, peer-reviewed research in international Q1 and Q2 journals.

	<ul style="list-style-type: none"> - Served as a reviewer for prestigious SCOPUS-indexed academic journals. - Supervised multiple master's theses on contemporary healthcare management topics. - Participated in curriculum review and development committees to enhance program relevance. <p>- Assistant Professor / Acting Head</p> <ul style="list-style-type: none"> - Liwa University - Departments for Health Service Management & Health Information Management Department - 09/2016 - 08/2018 - Abu Dhabi, UAE. <p>- Duties and Responsibilities:</p> <ul style="list-style-type: none"> - Managed daily operations for both health service management and health information management departments. - Developed and updated course syllabi to align with industry standards and accreditation requirements. - Led faculty meetings and coordinated teaching schedules for a diverse team of instructors. - Implemented quality assurance measures for academic programs and student assessments. - Served as a member of the college's research committee, reviewing and approving student projects. <p>- Operations Manager & Healthcare Management Consultant</p> <ul style="list-style-type: none"> - EGT Group – Healthcare Service Management Department - 03/2016 - 10/2017 - Abu Dhabi, UAE. <p>- Duties and Responsibilities:</p> <ul style="list-style-type: none"> - Directed operational strategies to improve healthcare service delivery, efficiency, and compliance with UAE healthcare regulations. - Developed and implemented business process improvements to optimize patient flow and resource utilization. - Conducted performance evaluations and provided recommendations for organizational restructuring and service enhancement. - Coordinated with cross-functional teams to align healthcare projects with corporate goals and client needs. - Delivered management consulting reports and presentations to senior executives to support strategic decision-making. <p>- Trainer – Management & Training Solutions</p> <ul style="list-style-type: none"> - INTECH Management & Training Solutions
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	<ul style="list-style-type: none"> - 02/2015 - 01/2016 - Dubai, UAE - Duties and Responsibilities: - Delivered workshops on healthcare leadership, ISO quality standards, and performance improvement. - Conducted training sessions on Balanced Scorecard methodology and strategic planning. - Developed course materials and interactive content tailored to healthcare management professionals. - Trainer – Human Resources & Organizational Development - Strategia Company - 02/2015 - 11/2015 - Dubai, UAE - Duties and Responsibilities: - Delivered corporate training workshops in HR management, leadership, and organizational development. - Provided consultancy on HR best practices, talent development, and workforce optimization. - Facilitated leadership development sessions to enhance managerial skills across diverse industries. - Assistant Professor & Department Coordinator - Alkhawarizmi International College - 06/2013 - 09/2016 - Abu Dhabi, UAE - Duties and Responsibilities: - Coordinated by the Healthcare Management Department, overseeing curriculum delivery and faculty performance. - Designed and taught core courses in healthcare marketing, human resources, and hospital administration. - Initiated and led student research projects, guiding them from proposal to final defense. - Organized professional development workshops for faculty on modern teaching methodologies. - Acted as a liaison between the department and industry partners for student internships and placements. - Achievements: - Presented numerous articles at international conferences in Helsinki, the United Arab Emirates, Jordan, Indonesia, Malaysia, and Saudi Arabia.
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	<ul style="list-style-type: none"> - Trainer & Program Developer – Hospital Management Diploma - Consulting Center, University of Prince Mugrin - 2019 - Medina, KSA - Duties and Responsibilities: - Developed curriculum and training modules for the Hospital Management Diploma program. - Conducted specialized workshops in Healthcare Quality Management, Leadership, and HR development. - Trained healthcare professionals on ISO standardization and quality control practices. - Delivered sessions on research methodology, thesis writing, and academic excellence. - - Senior Lecturer & Head of Department - Al-Ghad College for Applied Medical Sciences 2006 – 2008 - Al-Qassim, KSA. - Duties and Responsibilities: - Chaired the Healthcare Services Management Department, providing leadership to academic and administrative staff. - Developed and implemented innovative, developmentally appropriate teaching and learning strategies. - Oversaw the quality control of all departmental programs, ensuring high standards of education. - Managed departmental budgets, resources, and staffing to meet institutional goals. - Designed and delivered professional workshops for staff on management skills, time management, and communication.
<p><u>Skills</u></p>	<p><u>PERSONAL SKILLS</u></p> <ul style="list-style-type: none"> • Driving high-performance teams through motivation, mentorship, and effective delegation. • Building strong professional relationships and facilitating seamless teamwork across departments. • Applying data-driven insights to evaluate options and implement effective solutions. • Optimizing workflows and meeting deadlines under high-pressure environments. • Managing concurrent responsibilities while maintaining accuracy and attention to detail. • Resolving disputes constructively and fostering positive workplace relationships.

	<ul style="list-style-type: none"> • Evaluating challenges with logical reasoning to support informed decision-making. • Expanding knowledge and skills through ongoing learning and training. <p><u>TECHNICAL SKILLS</u></p> <ul style="list-style-type: none"> • Microsoft Office Suite. • Database & Document Archiving. • Statistical analysis (SPSS, AMOS, SEM). • Administrative Tools. • Email Communication & Correspondence. • Data Analysis & Interpretation.
<u>Areas of Research</u>	<ul style="list-style-type: none"> • Healthcare Operations Management and Performance Measurement. • Impact of Leadership Styles (Authentic, Servant) on Hospital Performance. • Knowledge Management in Healthcare Organizations. • Health Information Quality and Its Impact on Decision-Making. • Mathematical Modeling for Healthcare Systems Optimization. • Patient Safety Culture and Medical Error Reduction. • The Role of Employee Engagement and Commitment in Healthcare. • Telehealth Adoption and Digital Health Transformation. • Supply Chain Management in Healthcare Services.
<u>Areas of Teaching</u>	<ul style="list-style-type: none"> • Healthcare Quality Management & Improvement. • Healthcare Operations and Strategic Management. • Hospital Administration and Leadership. • Health Economics and Policy Analysis. • Healthcare Human Resource Management. • Health Information Systems & Technology. • Research Methodology & Statistical Analysis (SPSS, SEM, PLS). • Lean Management, Six Sigma & Total Quality Management (TQM). • Service Management & Customer Relationship Management. • Legal, Ethical, and Regulatory Aspects in Healthcare.
<u>Training courses and certifications</u>	<ul style="list-style-type: none"> ▪ Artificial Intelligence Applications in Education: How AI Can Be Used to Enhance Learning and Teaching Experiences. JUST University, 12/2024 ▪ Teaching Methods and Strategies. JUST University, 09/2019 ▪ Computer basic skills, Communication skills, the successful lecturer skills,

	<p>how to assess and evaluate education process International Academic for Health Scenic, 2008</p> <ul style="list-style-type: none"> ▪ Planning for teaching International Academic for Health Scenic, 2008 ▪ Structural Equation Modeling (SEM) workshops University Putra - Malaysia, 2011 ▪ Communication skills and dialogue workshop Saudi student club in Kuala Lumpur, 2012 ▪ Statistical Data Analysis Using SPSS JUST University, 09/2019 ▪ Problem-Based Learning JUST University, 09/2019 ▪ Methods and styles for teaching International Academic for Health Scenic 2008 ▪ Structural Equation Modeling (SEM) workshops National University of Malaysia, ▪ Partial Least Squares (PLS) Alpha training center in Bangi – Malaysia, 2012
<p><u>Honors / Achievements</u></p>	<ul style="list-style-type: none"> ▪ Best paper in the conference 2nd International Conference on Business and Economic Research Malaysia, 2011 ▪ Certificate for best lecturer Al-Ghad College for Applied Medical Sciences, 2009 ▪ Certificate for ideal employee twice Al-Ghad College for Applied Medical Sciences, 2007 & 2009 ▪ Best faculty member Faculty of Medicine at Jordan University of Science and Technology, 2022 ▪ Best head of the Department of Health Service Management and Medical Records, Al-Ghad College for Applied Medical Sciences, 2007 ▪ Member

	Committee for final university examinations on Healthcare Service Management, at Al-Ghad College for Applied Medical Sciences, 2007 & 2008.
Publications	
<i>Book</i>	<ul style="list-style-type: none"> ▪ Main Naser Alolayyan, (2012), TQM and Operational Flexibility impact on Hospital Performance, LAP LAMBERT Academic Publishing (3 Sep 2012), ISBN-13: 978-3659220746
<u>Journal Articles</u>	<ul style="list-style-type: none"> ▪ Main Naser Alolayyan, Khairul Anuar Mohd Ali, Fazli Idris & Ahmmmed Saadi Ibrehem. (2011). Advance Mathematical model to study and analyze the effects of Total Quality Management (TQM) and Operational Flexibility on Hospital Performance. Total Quality Management and Business Excellence, 22, (12): 1371- 1393. Thomson ISI Journal Citation Reports 2010 (Impact Factor: 0.387). Ranking: 132/144 (Management). ▪ Main Naser Alolayyan, Khairul Anuar Mohd Ali & Fazli Idris. (2011). The Influence of Total Quality Management (TQM) on Operational Flexibility in Jordanian hospitals: Medical Workers' Perspectives. Asian Journal on Quality 12 (2): 204-222. (Emerald Group). ▪ Main Naser Alolayyan, Khairul Anuar Mohd Ali & Fazli Idris, (2011). The impact of Operational Flexibility on Hospital Performance in Jordanian hospitals: Some Empirical Evidences. Journal of Global Management 1 (2): 39-54. ▪ Main Naser Alolayyan, Khairul Anuar Mohd Ali & Fazli Idris. (2012). 'The influence of operational flexibility on hospital performance results: a structural equation modelling (SEM) approaches', International Journal of Services and Operations Management, Vol. 13, No. 4, pp. 478–497. ▪ Fazli Idris, Nik Mutasim Nik Abd Rahman, Mohd Ezani Mat Hassan, Norsiah Aminudin & Main Naser Alolayyan. (2013). 'Validating Operations Flexibility Dimensions for Malaysian Service Firms: A Confirmatory Factor Analytics Approach, International Journal of Services and Operations Management, Vol. 14, No. 1, pp. 79–84. ▪ Main Naser Alolayyan, Khairul Anuar Mohd Ali & Fazli Idris. (2013). Total Quality Management and Operational Flexibility impact on Hospitals Performance: A Structural Modeling Approach. International Journal of Productivity and Quality Management, Vol. 11, No. 2, pp. 212–227. ▪ Khairul Anuar Mohd Ali & Main Naser Alolayyan. (2013). The impact of Total Quality Management (TQM) on the Hospital's Performance: An Empirical Research. International Journal of Services and Operations Management, Vol. 15, No. 4, pp. 482–506.

- Baha`a Abdul-Hafez Attallah Al-Nady, Sulieman Ibraheem Shelash Al-Hawary, **Main Naser Alolayyan. (2013).** Strategic Management as a key for Superior Competitive advantage of Sanitary Ware Suppliers in Kingdom of Saudi Arabia. **International Journal of Management & Information Technology.** Vol. 7, No. 2: pp. 1042 – 1058.
- Sulieman Ibraheem Shelash Al-Hawary; Bahaà Abdul-Hafez Attallah Al-Nady; **Main Naser Alolayyan. (2013).** Effect of brand name and price on business to business (B2B) success: an empirical study on sample of food hypermarket retailers in Amman city. **International Journal of Information and Coding Theory.** Vol.2, No.2/3, pp.115 – 139.
- Baha`a Abdul-Hafez Attallah Al-Nady, Sulieman Ibraheem Shelash Al-Hawary, **Main Naser Alolayyan. (2016).** The role of time, communication, and cost management on project management success an empirical study on sample of construction projects customers in Makkah City, Kingdom of Saudi Arabia. **International Journal of Services and Operations Management.** Vol. 23. No. 1, pp. 76–112.
- Burhan Awad Al Omari, AlaEldin Hasan Awawdeh, **Main Naser Fady Alolayyan (2017).** Employee Performance & Quality Management in the Tourism Sector Case study of Human Resources Management - Employee Performance Aqaba Hotel- Jordan, **Modern Applied Science.** Vol. 11, No. 7.pp. 1-13.
- Burhan Awad Al Omari, AlaEldin Hasan Awawdeh, **Main Naser Fady Alolayyan (2017).** The Importance of Training and its Impact on the Performance of Employee in Banking Sectors of Abu Dhabi, Dubai- UAE to Raise Efficiency: A Field Study on UAE Banks, **Modern Applied Science.** Vol 11, No. 9 pp. 138 - 150.
- Jihad Mohammad, Farzana Quoquab, Ramayah Thurasamy and **Main Naser Alolayyan (2020).** User Generated Content Quality in Malaysian Market: A Partial Least Square Approach. **Journal of electronic commerce research.** Vol. 21, No. 1, pp. 39-55.
- **Main Naser Alolayyan** and Mohammad Chand Jamali **(2020).** Exploring Creative Linkages of HealthCare Industry and Academia in United Arab Emirates. **International Journal of Scientific and Technology Research.** Vol. 9, Iss. 2. pp. 6399- 6406.
- Abdallah Hasan Alalawin and **Main Naser Alolayyan (2020).** Evaluation of the Importance of the Smart Mobile Health and Telehealth Application- A Systematic Literature Review. **International Journal of Innovation, Creativity and Change.** Vol. 11, Iss. 1. pp. 263- 282.
- **Main Naser Alolayyan**, Mohammad S. Alyahya, Abdallah Hasan Alalawin, Aftab Shoukat and Farid T. Nusairat, **(2020).** Health information technology and hospital performance the role of health information quality in teaching hospitals. **Heliyon.** Vol.6. Iss. 10. pp. 1-12.
- **Main Naser Alolayyan**, Abdallah Hassan Alalawin, Mohammad S. Alyahya and

Ahmad Qamar (2020). The impact of knowledge management practice on the hospital performance in Abu Dhabi. **Cogent Business & Management**. Vol. 7. No. 1, pp. 1-17.

- M Aboramadan, **Main Naser Alolayyan**, MA Turkmenoglu, B Cicek, C Farao (2021). Linking authentic leadership and management capability to public hospital performance: the role of work engagement. **International Journal of Organizational Analysis**. Vol. 29 Iss. 5. pp. 1350 – 1370.
- MS Alyahya, HH Hijazi, **Main Naser Alolayyan**, FJ Ajayneh, YS Khader (2021). The Association between Cognitive Medical Errors and Their Contributing Organizational and Individual Factors. **Risk Management and Healthcare Policy**. Vol. 14, pp. 415-430.
- **Main Naser Alolayyan**, Mohammad Sharif Alyahya, Dana Ahmad Omari. (2021). Strategic human resource management practices and human capital development: The role of employee commitment. **Problems and Perspectives in Management**. Vol. 19. Issue 2. pp. 157 – 169.
- **Main Naser Alolayyan** and Ahmad Alsadi (2021). Proposed Mathematical Model to Study and analyze the relationship between Operational Flexibility Dimensions and Hospital Performance. **Global Journal of Flexible Systems Management**. Vol.22, pp. 289-305.
- Heba H Hijazi, Mohammad S Alyahya, Rabah M Al Abdi, **Main Naser Alolayyan**, Amer M Sindiani, Liqaa A Raffee, Wegdan A Baniissa, Amina M Al Marzouqi (2021). The impact of perceived social support during pregnancy on postpartum infant-focused anxieties: A prospective cohort study of mothers in northern Jordan. **International Journal of Women's Health**. Vol. 13. pp. 973 - 989.
- **Main Naser Alolayyan** and Haneen Mahyoub Alfaraj (2021). The Relationship between Emotion and Physical Environment on the Patient overall Satisfaction in the Jordanian Outpatient Private Clinics. **Academy of Strategic Management Journal**. Vol. 20, Iss. 6S. pp. 1 – 14.
- **Main Naser Alolayyan**, Mohammad S Alyahya and Heba H Hijazi and FJ Ajayneh (2022). The Development and Validation Instrument for the Cognitive Medical Errors: Structural Equation Modeling Approach. **Quality & Quantity**. 56, pages3831–3847. <https://doi.org/10.1007/s11135-021-01285-6>
- Emad Shdaifat, **Main Naser Alolayyan**, Ahrjaynes Rosario, Najla Al-Ansari (2022). Absenteeism among Nurses: Costs, Working Conditions, and Related Factors. **International Journal of Productivity and Quality Management**. DOI: 10.1504/IJPQM.2021.10041564
- Mohammad Al-Qudah, Ala'a Al-Shaikh, **Main Naser Alolayyan**, Husam Haddad, Ismail Matalaka (2022). Impact of COVID-19 exclusive allocation strategy on quality of healthcare: A study from Jordan 2020 (2022). **Health Security**. 20 (3), 193-202.

The following is Dr. Main Alolayyan research activity after promotion to Associate Professor:

The Scopus indexing status is considered based on the date of manuscript submission to the journal.

- Idris, F., **Alolayyan, M. N.**, & Priyono, A. (2022). *The impact of advanced operations technology on cost performances in services: The mediating role of stakeholder integration. Journal of Xi'an Shiyu University, Natural Science Edition*, 18(3), 214–225. <http://xisdxjxsu.asia/V18I03-21.pdf> (SCOPUS Q3)
- **Main Naser Alolayyan**, R Al-Rwaidan, S Hamadneh, A Ahmad, A AlHamad, S Al-Hawary, M Alshurideh (2022). The mediating role of operational Flexibility on the relationship between quality of health information technology and management capability. **Uncertain Supply Chain Management**. 10 (4), 1131-1140. (SCOPUS Q1)
- **Main Naser Alolayyan**, M Al-Qudah, M Hunitie, I Akour, S Alneimat, S Al-Hawary, M Alshurideh (2022). Validating the operational flexibility dimensions in the medical service sectors, **Uncertain Supply Chain Management** 10 (4), 1397-1404 (SCOPUS Q1)
- Alaa Dalky, **Main Naser Alolayyan**, Sajeda Abuzaid, Sawsan Abuhammad (2022). Exploring the relationship between nursing work environment and medical error reporting among Jordanian nurses: a cross-sectional study. **Journal of Pharmaceutical Health Services Research** . 13 (4), 351-356. (SCOPUS Q2)
- **Main Naser Alolayyan**, Mohammad Sharif Alyahya (2023). Operational flexibility impact on hospital performance through the roles of employee engagement and management capability. **BMC Health Services Research** 23 (1), 1-12. (SCOPUS Q2)
- **Main Naser Alolayyan**, Alyahya M, Momani S. The relationship between the perceived risk of infection at the workplace and quality of work life (QoWL): Healthcare workers' perspectives. **Journal of Infection Prevention**. 2023 Nov;24(6):237-243. doi: 10.1177/17571774231207769. Epub 2023 Oct 13. PMID: 37975068; PMCID: PMC10638952. (SCOPUS Q2)
- S. Azar, **Main Naser Alolayyan**, M Alyahya (2024). Exploring the intentions of hospital managers to use evidence-based management in decision-making process. **International Journal of Healthcare Management**, 17(3), 541–548. <https://doi.org/10.1080/20479700.2023.2204559>. (SCOPUS Q1)
- MS Alyahya, S Momani, **Main Naser Alolayyan**, YS Khader (2023). Workplace policies and quality of working life (QoWL) during the COVID-19 pandemic in Jordanian hospitals. **International Journal of Risk & Safety in Medicine** 34 (2), 101-119. (SCOPUS Q2)
- AH Zyoud, **Main Naser Alolayyan**, MM Alqahtani, IA Azzam, SI Shelash (2023). Nursing Perspectives on the Association between Human Capital Development and

Work Engagement: A Cross-Sectional Study. **Information Sciences Letters**. 12, No. 6, 2289-2298. (SCOPUS Q2)

- **Main Naser Alolayyan**, Nusairat FT, Abualhuda SA, Azar S. (2023). Association between servant leadership and nurses' turnover intention: evidence from Jordan. **BMJ Lead**. 2023 Dec 30: leader-2023-000903. doi: 10.1136/leader-2023-000903. (SCOPUS Q2)
 - **Main Naser Alolayyan** & Haneen Mahyoub AlFaraj (2024) Evaluation of impact of COVID-19 precautionary measures and quality of services on the patient satisfaction in outpatient private clinics, **Cogent Business & Management**, 11:1, 2336642, DOI: 10.1080/23311975.2024.2336642 To link to this article: <https://doi.org/10.1080/23311975.2024.2336642>. (SCOPUS Q2)
 - **Main Naser Alolayyan**, Azar, S., Hamadneh, S., Alyahya, M., & Bawa'neh, L. (2023). Nurses on the Front Line: Experiences of Nurses Caring for Patients with COVID-19 in Field Hospitals. **Jordan Journal of Nursing Research**. Vol. 2. Issue 3. pp. 270-278.
 - **Main Naser Alolayyan**, Hijazi B, Jalaileh RA. The association of patient safety culture with patient satisfaction: The role of the pharmacist's performance. **Journal of Patient Safety and Risk Management**. 2023;28(2):68-77. doi:10.1177/25160435231160445 (SCOPUS Q3)
 - Hijazi HH, **Main Naser Alolayyan**, Al Abdi RM, Hossain A, Fallon V, Silverio SA. Validity and reliability of an Arabic-language version of the postpartum specific anxiety scale research short-form in Jordan. **Birth**. 2024; 00 : 1-11. doi:10.1111/birt.12840. (SCOPUS Q2)
 - K. M. Ayyalsalman, **Main Naser Alolayyan**, M. T. Alshurideh., K. Al-Daoud, S. I. Al-Hawary (2024). Mathematical Model to Estimate the Effect of Authentic Leadership Components on Hospital Performance. **Applied Mathematics & Information Sciences**, Vol. 18, Issue. 4, pp. 701-708. (SCOPUS Q2)
- 41- Hamadneh S, Hamadneh J, Abdalrahim A, ALBashtawy M, Suliman M, **Main Naser Alolayyan**. Prevalence and related factors of postpartum depression among jordanian mothers with a history of COVID-19 during pregnancy or after childbirth in a developing country. **Iranian Journal of Nursing and Midwifery Research** 2024;29:263-7. (SCOPUS Q2)
- Anber Abraheem Shlash Mohammad, **Main Naser Alolayyan**, Khaleel Ibrahim Al-Daoud, Yara Mahmoud Al Nammass, Asokan Vasudevan, Suleiman Ibrahim Mohammad (2024). Association between Social Demographic Factors and Health Literacy in Jordan. **Journal of Ecohumanism**. Vol. 3 Iss. 7. pp 2365-2351. (SCOPUS Q3)
 - **Main Naser Alolayyan**, Khaleel Ibrahim Al- Daoud, Badrea al Oraini, Suleiman Ibrahim (2024). Mathematical Model to Evaluate the Effect of Information Quality, and Management Capability on Hospital Performance. **Salud Ciencia y Tecnología**. DOI: <https://doi.org/10.56294/saludcyt2024.979> (SCOPUS Q4)

	<ul style="list-style-type: none"> ▪ Shlash, A., Alolayyan, M. N., Mohammad, S. I. S., Hunitie, M. F. A., & others. (2025). Healthcare demand and the adequacy of its impact on patient satisfaction and quality outcomes: A structural equation modeling approach. <i>Journal of Posthumanism</i>, 5(1), 1171–1187. https://doi.org/10.63332/joph.v5i1.654. (SCOPUS Q4) ▪ Basha, B., Nawajah, I., Al-Nawaja'a, I. A., ... Alolayyan, M. N. (2025). Determinants of effective pain management in pediatric patients: An assessment of attitudes and barriers. <i>Journal of Pain & Palliative Care Pharmacotherapy</i>, 39(6), 1–8. https://doi.org/10.1080/15360288.2025.2491699. (SCOPUS Q3) ▪ Hijazi, H. H., Alyahya, M., Alolayyan, M. N., ... Alameddine, M. (2025). Exploring the impact of interaction dynamics and professional capacity and development on cognitive medical errors: A multiple-case study of healthcare professionals in Jordan. <i>BMC Medical Education</i>, 25(1). https://doi.org/10.1186/s12909-025-07082-1 (SCOPUS Q1). ▪ Alsyouf, A., Al-Momani, A. M., Alsubahi, N., Alrawad, M., Alolayyan M.N & others. (2025). Predicting digital contact tracing tool adoption during COVID-19 from the perspective of TAM: The role of trust, fear, privacy, anxiety, and social media. <i>Digital Health</i>, 11, 1–???. https://doi.org/10.1177/20552076251336271 (SCOPUS Q3) ▪ Alolayyan, M. N., Hamadneh, S., Alfaraj, H. M., & Abedalkader, T. (2025). Assessing management strategies and societal challenges of antibiotics available policies: A systematic literature review. <i>International Journal of Healthcare Management</i>. Advance online publication. https://doi.org/10.1080/20479700.2025.2528047. (SCOPUS Q1) <p>✚ <u>Research Papers Under Review</u></p> <ul style="list-style-type: none"> ▪ <u><i>Five research articles are under review now.</i></u> ▪ <u><i>Fourteen Full Funded research projects from JUST University, start from 2019 to 2025.</i></u>
<p><i>Book Chapters</i></p>	<ul style="list-style-type: none"> ▪ Alolayyan, M.N. et al. (2024). General Surgery Practice and Challenges in Jordan During the Infectious Epidemic: A Qualitative Study Surgeons Perspective. In: Musleh Al-Sartawi, A.M.A., Nour, A.I. (eds) Artificial Intelligence and Economic Sustainability in the Era of Industrial Revolution 5.0. Studies in Systems, Decision and Control, vol 528. Springer, Cham. https://doi.org/10.1007/978-3-031-56586-1_91 ▪ Alolayyan, M.N. et al. (2024). The Risks of COVID-19 on the Scientific Achievement for the Undergraduate Health Sciences Students. In: Musleh Al-Sartawi, A.M.A., Aydiner, A.S., Kanan, M. (eds) Business Analytical Capabilities and Artificial Intelligence-enabled Analytics: Applications and Challenges in the Digital Era, Volume 2. Studies in Computational Intelligence, vol 1152. Springer, Cham. https://doi.org/10.1007/978-3-031-57242-5_3

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<u>Associate supervisor of a PhD dissertation</u>	<p>Investigating and Explaining the Perception of Nurses, Midwives, and Pharmacists on the Training and Development Process in Jordanian Public Hospitals.</p> <p>UPM University – Malaysis</p>

Supervised
Master's
Theses

- The Impact of Strategic Human Resources Management practice on Employee Commitment and Human Capital Development in North of Jordan from: (Medical Staff perspective).
- The Impact of Patient Safety Culture between Pharmacists, on Patient Satisfaction through Pharmacist Performance in Jordan.
- The association between Emotions, Physical environment, COVID-19 precautionary procedures, Quality of services and Patients' overall satisfaction in the Jordanian outpatient private clinics.
- The Relationship between Sustainable Supply Chain Management and Operational Flexibility and Employee Engagement in Community Pharmacies.
- Exploring the relationship between nursing work environment and medical error reporting.
- Predicting the intentions to use evidence-based management among healthcare managers in Jordan.
- The role of employee commitment and employee satisfaction as mediating variables on the impact of nursing leadership styles on nursing turnover in Jordan.
- Exploring healthcare providers' knowledge about antibiotic use, resistance and assessing available. policies in Jordan.
- The association between Employee Retention, Competitiveness, and Organization Performance among Jordan's. Private Hospitals.
- The impact of COVID-19 pandemic on Jordanian nurses' perception of teamwork and telehealth
- The Association between Safety Leadership, Work Engagement, and Pharmacists' Performance in The Jordanian Pharmacies. An empirical Study
- The Impact of Age of Construction and Hospital Size on Operational Efficiency and Healthcare Workers' Physical Environment Satisfaction.
- The extent to which King Abdullah University Hospital adopts agile strategies based on its leadership style: A quantitative study.
- The Impact of Total Quality Management Principles on Crisis Prevention through Organizational Safety Climate.

	<ul style="list-style-type: none"> ○ The Mediating Role of Internal Communication in the Relationship Between Crisis Management and Employee Commitment of Jordanian Hospitals. ○ The linkage between health information management and medical error, and the role of the innovation work behavior and medical employees' development: Medical staff perspectives. ○ Exploring Key Drivers of Prolonged Emergency Department Stays in Jordanian public and University Hospitals
<u>LANGUAGE</u>	<ul style="list-style-type: none"> ▪ ARABIC: Expert Level proficiency. Taught Arabic on occasion. ▪ ENGLISH: High/ academic level of proficiency.
<u>References</u>	<ul style="list-style-type: none"> ▪ Prof. Dr. Khairul Anuar Mohd Ali Phone : + 603-8921 4842 Email : kabma@ukm.edu.my ▪ Prof. Dr. Firas Al-Qarqaz Phone: +962-2-7201000 Ext.: (23781) Fax: +962-2-7095010 E-mail: medicine@just.edu.jo