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Academic Qualifications:

- 2011- 2015: **PhD** (Community Medicine / Public Health), Basra University, College of Medicine, Iraq. Title/Subject of Dissertation: "Reproductive Health in Basra: Policy Analysis and Service Evaluation".
- 2006-2008, **MPH** (Master of Public Health), American University of Beirut, Faculty of Health Sciences, Beirut, Lebanon- Major: Health Management and Policy.
- 2002-2003, **DCM** (Post Graduate Diploma of Community Medicine/Public Health), Basra University, College of Medicine, Iraq.
- 1986-1994, **MB. BCh.B.** (General Medicine & Surgery), Basra University, College of Medicine, Iraq

Trainings:

- 2020, Certificate in "**E-Learning Instructor**" training. Ministry of Health, Iraq
- 2020, Certificate in "**Effective Communication Skills**" training. Ministry of Health, Iraq
- July 2019, Certificate in "**Training Management**". Training Center, Basra Governorate Council.
- May 2018, Certificate in "**Results Based Management**" training, Iraqi Ministry of Planning, WHO.
- 2017, Certificate in "**The International Certified Training Diploma**", Oxford Training Centre. UK.
- 2017, Certificate in "**Professional MBA Effective Training Skills**", California Business Academy- USA.
- 2017, Certificate in "**Certified Trainer**", Saad Allah Management Training Consultancy. Dubai, UAE.
- 2011, Certificate in **UNICEF Programme Planning Process (PPP)**, UNICEF. Jordon - Amman.
- 2011, Certificate in "**Training programme for Mobile Health Clinics**". Hanyang University Medical Center, Korea International Cooperation Agency. South Korea- Seoul.
- 2008, Certificate in "**Training of Trainers (TOT) on Community Participation in Planning**". UNICE. Jordon, Amman
- 2008, Certificate in "**Better writing for Health**" American University of Beirut. Lebanon- Beirut.
- 2007, Certificate in "**IC3 2005 Standard Living Online Exam, Standard Key Applications & Standard Computing Fundamentals**". Iraqi Ministry of Higher Education and Scientific Research
- 2007, Certificate in "**Training of Trainers (TOT) on Essential New Born Care**", UNICEF, WHO, Iraqi Ministry of Health-Jordon, Amman.
- 2006, Certificate in 15 **online courses in Global Health (knowledgeable level)**. Global Health e-learning Center, USAID, John Hopkins Bloomberg School of Public Health.
- 2006, Certificate in "**Public Health in Complex Emergencies**", American University of Beirut, Faculty of Health sciences, Beirut, Lebanon.
- 2005, Certificate in "**Public Health in Complex Emergencies**", Makerere University, Institute of Public Health, Kampala, Uganda.
- 2005, Certificate in "**Designing & Developing of the National Infant and Young Child Feeding Strategy and Guidelines**", BASICS-USAID, Iraqi Ministry of Health. Jordan, Amman.

- 2003, Certificate in "**Training of Trainers & managerial training**", Save the children – U.S.A.
- 2004, Certificate in "**Training on the UN guiding principles & strategic plan for Internally Displaced Persons (IDPs)**", UNHCR, IOM, Jordon.
- 2004, Certificate in "**Rapid Participatory appraisal methods of assessment (PRA)**", Save the children – U.S.A.
- 2001, Certificate in "**Training of Trainers (TOT) on participatory methods**", UNICEF, training developing Centre, Ministry of Health-Iraq.
- 2001, Certificate in "**District team problem solving (D.T.P.S.)**", UNICEF, training developing Centre, Ministry of Health-Iraq.
- 2003, Certificate in "**Sampling methods and survey**", UNICEF - Ministry of Planning – Central System of Statistics -Iraq.
- 1997, Certificate in "**English proficiency training (advanced level)**", Basra University, College of Arts, the Language Centre, Basra-Iraq.
- 2001, Certificate in "**Computer Proficiency training (advanced level)**", Basra University, the Computer Centre, Basra-Iraq.
- 1999, Certificate in "**Breast-feeding counselling**", UNICEF, WHO, training developing Centre, Ministry of Health-Iraq.
- 1997, Certificate in "**Supervisory skills**" training workshop in relation to immunization-nutrition-antenatal care and health education, UNICEF, Ministry of Health-Iraq.
- 1999, Certificate in "**Iraqi Nutritional database entry**", UNICEF, Nutritional Research Institute, Ministry of Health-Iraq.
- 1999, Certificate in "**Maternal, Child Health and family planning**" training, Ministry of Health -Iraq.
- 1999, Certificate in "**Safe motherhood**" training, UNICEF, Ministry of Health -Iraq.
- 1999, Certificate in "**Iraqi Nutrition program**" training, UNICEF, Nutritional Research Institute, Ministry of Health-Iraq.
- 1999, Certificate in "**Iraqi program for Control of Sexually Transmitted Diseases in pregnancy**", UNICEF, Communicable Disease Center, Ministry of Health-Iraq.

Employment history

- February 2017- Present: Department Manager / Staff Training and Development. Ministry of Health, Basra, IRAQ.
- January 2016- January 2017: Programme Assistant / Quality Assurance Unit. Ministry of Health, Basra, IRAQ.
- October 2010- October 2011: Programme Manager / Quality Assurance. Ministry of Health, Basra, IRAQ.
- January 2009- October 2010: Programme Specialist / OIC/ Acting Chief of Field Office. South Zone Office, Basra Field Office, UNICEF, IRAQ
- March 2008 –January 2009: Chief Facilitator. Basra Field Office, UNICEF, IRAQ
- May 2005 –October 2006: Senior Survival & Growth Monitor, UNICEF, IRAQ
- October 2004 – April 2005: Assistant manager – ICAP program, Save the Children, USA- Thiqar field office.
- January 2004 – October 2004: Assistant manager - Nutrition & Health Program, Save the Children, USA
- May 2003-January 2004: Health project officer, Save the Children, US
- December 2001-May 2003: Health & Nutrition Monitor, UNICEF, IRAQ
- May 1999-November 2001: Expanded Program of Immunization (EPI) Program Manager, Ministry of Health, Basra, Iraq
- January 1998-May 1999: Maneger of Mother & Child Health section, Health Prevention Department, Ministry of Health, Basra, Iraq

- July 1997 - January 1998: Doctor in charge of Al-Hartha Health Unit, Basra, Iraq
- December 1996 - June 1997: Doctor in charge of Al-Fadhliya & Al-Rifaa'i Health Units, Thi-quar Governorate, Iraq
- October 1995- November 1996: Resident Doctor in Al-Tahreer General Hospital, Basra, Iraq
- October 1994 - October 1995: Resident Doctor in Thi-quar Maternity Hospital & Teaching Hospitals, Thi-quar Governorate, Iraq

Teaching/Work Experience:

- **March 2018 – present:** Chairman, Department of Community Health & Family Medicine. Al Zahraa College of Medicine- University of Basra.
- **March 2018 – present:** College Board /Member- Al Zahraa College of Medicine – University of Basra
- **March 2018 – present:** Scientific Committee/member. Al Zahraa College of Medicine – University of Basra
- **2020- Present:** Basra University- Al Zahraa College of Medicine – Disease and People training instructor.
- **2020- Present:** Basra University- Al Zahraa College of Medicine – Students Selective Training course instructor.
- **March 2018 – 2020:** Basra University- Al Zahraa College of Medicine – Health and Diseases in Population - Module Lead & Lecturer.
- **March 2018 – 2020:** Basra University- Al Zahraa College of Medicine – Health and Diseases in Society - Module Lead & Lecturer.
- **September 2018 – February 2019:** Lecturer / Iraqi Foundation of Technical Education- Southern Technical University- College of Health and Medical Sciences - Community Medicine Department –Epidemiology – Post graduate class (MSc.).
- **September 2017 – June 2018:** Lecturer / Iraqi Foundation of Technical Education- Southern Technical University- College of Health and Medical Sciences - Community Medicine Department –Epidemiology -3rd year class.
- **September 2017 – June 2018:** Lecturer / Iraqi Foundation of Technical Education- Southern Technical University- College of Health and Medical Sciences - Community Medicine Department –Chronic and non-communicable diseases -2nd year class.

Part time Consultations /Works with non-governmental NGOs:

- **August 2013-2016: Public Health consultant. AMAR international charitable foundation (AMAR):**

Duties:

- ✓ Assessment, study design and evaluation of AMAR international charitable foundation's projects in Iraq especially those implemented by the Oil companies. The duties in general included:
- ✓ Designing assessment, survey and evaluation tools by both qualitative and quantitative methodologies.
- ✓ Training of the surveyors, field supervisors and data entry teams on the required tools
- ✓ Supervising the piloting stages for each survey or study with on job training if needed to the surveyors and the supervisors
- ✓ Verifying the correct data entry process as required
- ✓ Analyzing data collected for each assessment, survey or study
- ✓ Final report writing

The projects evaluated/ assessed/ studies with AMAR International Charitable Foundation:

1. Projects implemented in coordination with Shell Iraq Petroleum Development (SIPD):

1.1. Health Survey in Al Nashwa & Al Dayer

Background:

AMAR has provided education and health services to one community in southern Iraq, Al Nashwa, since June 2011. No pre-AMAR baseline studies were available for that community. In addition, AMAR was intending to expand its service area to include a nearby second community (Al Dayer).

Objectives/ Outcomes:

- ✓ Assessing the determinants of Under Five Child Mortality Rate (U5CMR), including Respiratory illness, Diarrheal illness and Immunization status.
- ✓ Proposing opportunities to promote health and reduce U5CMR: (awareness & education)

1.2. Water Treatment Programme Feasibility Study

Background:

This study ascertains the technical and socioeconomic needs relating to the Bajia Water Plant and to propose intervention to improve the provision of potable water Al-Nashwa villages served by Bajia water plant

Objectives/ Outcomes:

- ✓ Identifying the main sources of water in Al-Nashwa villages served by Bajia water plant
- ✓ Identifying the possible risks to health from poor water hygiene
- ✓ Identifying the needs (issues that need to be addressed)

1.3. Girls' School in Al-Nashwa Feasibility Study

Objectives/ Outcomes:

- ✓ Exploring the factors influencing secondary school attendance of girls causing high dropout rates of girls.

1.4. Mobile Clinic Survey

Objectives/ Outcomes:

- ✓ Implementing both quantitative and qualitative methodologies to assess the available healthcare infrastructure in Al Qurna area north of Basra.
- ✓ Prioritizing the health needs in the villages where there are no mobile clinics to supply health services.

2. Projects implemented in coordination with Al-Rumaila Operation Organization (ROO):

2.1. Water Treatment Plant in Al-Khora Feasibility Study

Objectives/ Outcomes:

- ✓ Identifying the main sources of water in Al-Khora villages served by Al-Khora Water Plant. It is estimated to be about 8,000 people.
- ✓ Identify current risks to health from poor water hygiene/ To identify the needs (issues that need to be addressed)

2.2. Al Khora Community Baseline Study

Objectives/ Outcomes:

- ✓ Providing an understanding of the community set-up (tribes, main families, other groups)
- ✓ Providing data on relevant social and socioeconomic issues
- ✓ Recommending a long-term strategic approach to sustainable development to prevent ongoing and increasing tension with the ROO (QAWTP)

2.3. Health Needs Assessment in Khora / Basra

Objectives/ Outcomes:

- ✓ Assessing the current knowledge about demographic structure
- ✓ Mapping of the existing health care outlets in the area
- ✓ Describing the current pattern of health service utilization
- ✓ Obtaining a broad view about the current morbidity, fertility and mortality indicators.

3. Projects implemented in coordination with AIR Time group:

Post Project assessment for the project "To Stop-Gender Based Violence(GBV)"

Objectives/ Outcomes:

- ✓ Providing an indicator on the project success. The specific objectives include:
- ✓ Providing an understanding of the multiple characteristic components and organizational backgrounds of the AIR Time team representatives in the project.
- ✓ Assessing the knowledge of AIR Time team representatives about the status of human rights/Gender Violence in Iraq
- ✓ Providing an understanding and information about the personal beliefs, conviction and views of AIR Time team representatives about the status of GBV in Iraq
- ✓ Providing data on the training effectiveness and success during the project. This is by evaluating the training material in addition to the assessing the trainer's skills in transmitting the project objectives.
- ✓ Providing data on readers' satisfactions about Areej magazine provided through the project.
- ✓ Having a qualitative idea and information for the positives, negatives, future opportunities and recommendations for any future reimbursement.

4. Projects implemented in coordination with the European Commission/ European Instrument for Democracy and Human Rights (EIDHR):

Combating Religious Discrimination in Southern Iraq -Baseline Survey

Objectives/ Outcomes:

- ✓ Assessing the knowledge and attitudes of CSOs, university students & community members on human rights, the rule of law gender equality and religious tolerance and promoting acceptance within and between the communities.

5. Projects implemented in coordination with HWH (Civil and Environmental Engineering):

Feasibility and Demographic study in Al-Shu'eiba, North Rumeila and the Train Village

Objectives/ Outcomes:

- ✓ A household survey aiming to have a demographic description and living conditions of the inhabitants in three villages namely Imam Anas, Rumaila and Train villages. The three villages pertain to Zubair District pop 19325
- ✓ Two new water transport pipelines to North Rumeila.
- ✓ In addition to concentrating on the reliability of water injection to North Rumeila, it has been aimed to generate socioeconomic benefits for the communities whom this project will impact.

6. Projects implemented in coordination with HUNT oil/ Erbil:

Objectives/ Outcomes:

- ✓ Health need assessment of Shikhan Hospital.
- ✓ Health need assessment of Al Baathra Primary Health Care Center

- ***December 2008- March 2009: Medical / Public Health consultant. Medicine Sans Frontieres (MSF- Belgium).***

Duties:

- ✓ Assisting MSF team in Iraq to perform assessments & creating the proper medical networking.
- ✓ Define a medical policy for the MSF national & expatriate staff in Iraq & follow its implementation
- ✓ Provide info on the medical general situation in Iraq & more specifically in the South.
- ✓ Participate in the definition of the medical strategy of MSF in Iraq
- ✓ Ensure support for the project(s) implementation and monitoring.
- ✓ Liaise with local NGOs and medical authorities whenever requested by the MSF Field Coordinator.
- ✓ Follow up medical orders & assess availability in Iraq in collaboration with MSF medical team.
- ✓ Provide medical services for the MSF national staff.

- ***August 2008- December 2008: Medical / Public Health consultant. Norwegian Church Aid (NCA).***

Duties:

- ✓ Assisting the NCA assistant manager for children & youth in Iraq to perform periodic assessments to the situation of children & youth in Iraq especially in the southern area.
- ✓ Assisting the NCA manager for children & youth in Iraq to build the capacity of the NCA national staff including training as required.
- ✓ Assisting the NCA assistant manager for children & youth in Iraq to follow up & control of NCA projects in the field.
- ✓ Liaise to build relationship with local communities, local NGOs, governmental institutes and other stakeholders
- ✓ Assisting the NCA assistant manager for children & youth in development of new projects

Other Participations:

- Attending AMAR-Oxford Conference "Health in Iraq", University of Oxford, Harris Manchester College, 2014. The conference explored key issues in health and the effectiveness of the charity's health programmes. In addition to examining the next steps for future interventions.
- The WHO Collaborating Centre for Public Health Training and Education, Imperial College, Faculty of Medicine. London's Department of Primary care and Public Health at the School of Public Health, London, UK. 2014: Delegation to the British Health System (NHS), the work of Imperial College London and the WHO Collaboration centre with Iraqi Ministry of Health with exploring bilateral collaboration in teaching, research, capacity building and service development in the field of expertise relevant to both parties.
- Field interviewer in Iraq child and maternal mortality survey, Basra, Iraq, (ICMMS) (1999).
- Local supervisor in Poliomyelitis eradication campaigns, Basra, Iraq (1999, 2000, 2001, and 2002).
- Member of the National training group for MCH & Family Planning program, Basra, Iraq (1999 - 2001).
- Member in national committee for supervision of High Protein Biscuit distribution, Basra, Iraq (1996 - 2001).
- Member in the National committee for the following up of Nutritional Rehabilitation program with WFP and Ministry of Work and Social Affairs, Basra, Iraq (2000 –2001).

Publications:

- (2021). Breast cancer among women in Basrah, Iraq: A descriptive study in BIRAD 1 & 2 screened cases. *Basrah Journal of Surgery*, 27(1), 51-58. doi: 10.33762/bsurg.2021.168438 https://bjsrg.uobasrah.edu.iq/article_168438.html
- Kamil et al (2021): Prevalence of chronic kidney disease and hypertension as a risk factor in Basrah province – Iraq. *Annals of Tropical Medicine and Public Health* 24(4):498-502. DOI: 10.36295/ASRO.2021.24456 https://www.researchgate.net/publication/350088913_Prevalence_of_chronic_kidney_disease_and_hypertension_as_a_risk_factor_in_Basrah_province_-_Iraq
- Study the Diarrheal Disease in Children Under 5 Years During the Covid-19 Pandemic in Basra. *Annals of R.S.C.B.*, ISSN:1583-6258, Vol. 25, Issue 6, 2021, Pages. 9759 – 9863 https://www.researchgate.net/publication/352409476_Study_of_Diarrheal_Disease_in_Children_Under_5_Years_During_the_Covid-19_Pandemic_in_Basra
- Assessment of the knowledge regarding risk factors and preventive measures of Chronic Diseases among students of Southern Technical University in Basra. *Indian Journal of Public Health Research & Development*.2019;10 (8):1599-1605. ISSN: 09760245, 09765506. Article DOI: 10.5958/0976-5506.2019.00944.6 <http://www.indianjournals.com/ijor.aspx?target=ijor:ijphrd&volume=10&issue=4&article=290>
- A comparative study to evaluate Primary Health Care centers with Family and non-family Medicine doctors in Basra. *International Journal of Multidisciplinary and Current Research*. 2017; 5(Nov/Dec 2017): 1502-1510 ISSN: 2321-3124 <http://ijmcr.com/wp-content/uploads/2018/01/Paper421502-1510-2.pdf>
- Assessment of the documentation completeness level of the medical records in Basra General Hospital. *Medical Journal of Basra University*. 2018; 36(2):50-59. ISSN: 0253-0759 <https://www.iasj.net/iasj?func=fulltext&aId=153451>
- Measuring the level of patient's satisfaction for those attending primary health centers versus family medicine centers in Basra governorate. Submitted to *Medical Journal of Basra University* in February 2019. ISSN: 0253-0759. <https://www.iasj.net/iasj/download/eec15a09f9a039da>
- (2019). Knowledge assessment of female students of Southern Technical University in Basra-Iraq, regarding breast cancer and breast self-examination. *Annals of Tropical Medicine and Public Health* 22(1):SPe115. https://www.researchgate.net/publication/334523653_Knowledge_assessment_of_female_students_of_Southern_Technical_University_in_Basrah-Iraq_regarding_breast_cancer_and_breast_self-examination
- Socio-demographic characteristics of maternal deaths in Basra for the period (2013-2017). Submitted to *Medical Journal of Basra University* in February 2019; 37(1): 1-7. ISSN: 0253-0759 https://mjbu.uobasrah.edu.iq/article_163349.html
- Reproductive Health/Family Planning in Basra: Evaluation of the knowledge, utilization & satisfaction of the service users. *The Medical Journal of Basra University*, 2015; 33(1): 51-61. ISSN: 0253-0759 https://bsmed.iraqjournals.com/article_103876.html <https://www.iasj.net/iasj?func=fulltext&aId=103876>
- Factors influencing the performance of reproductive health care service providers in Basra. *Thi-Qar Medical Journal*. 2015; 10(2): 2-22. ISSN: 19929218 <https://www.iasj.net/iasj?func=article&aId=123951> <https://www.iasj.net/iasj?func=fulltext&aId=123951>

Links to Personal Web pages:

1. **Google Scholar:** <https://scholar.google.com/citations?user=NioYME4AAAAJ&hl=en&authuser=1>
2. **ORCID:** <https://orcid.org/0000-0002-6814-5463>
3. **Research Gate:** https://www.researchgate.net/profile/Rajaa_Mahmoud