

NOURA KARAMALLA MOHAMED SALIH

i. PERSONAL DETAILS



- a. **Full Name** : NOURA KARAMALLA MOHAMED SALIH
- b. **Teaching experience**: 25 years
- c. **Present Position**: Associate Professor
- d. **Email** : nourakaram@gmail.com
- e. **Hp** : +60 176702479
- f. **Address**: Department of Science, Faculty of Engineering, Science and Technology, Infrastructure University Kuala Lumpur (IUKL), Jalan ikram/uniten, Kajang, 43000, Selangor, Malaysia.

ii. Academic Qualification :

a) Post Doctorate

Educational details:

From: 2007

To : 2009

Post-Doctoral research in Microbiology, Molecular Biology and Fermentation Technology, Universiti Kebangsaan Malaysia (UKM), Bangi, Selangor, Malaysia

b) Ph.D. Degree

Educational details:

From: 1994

To : 1997

Ph.D. in Microbiology, Molecular biology, University of Khartoum, Sudan 1997.

Description of study:

Molecular Characterization and Taxonomy *Staphylococcus* species to vaccine production for Abscesses and vaccine production

c) Master Degree

Educational details:

From: 1994

TO : 1997

M.Sc. Microbiology, Immunology and Molecular biology, University of Khartoum, Sudan 1994.

Description of Study:

Sodium dodecyl sulphate–polyacrylamide gel electrophoresis (SDS-PAGE), Immunoblotting, Chemotaxis and Phagocytosis of *Staphylococcus aureus* isolated from Abscesses.

d) B. V. Sc.

Educational details:

From: 1986

To : 1990

B.V. Sc., Preventive medicine, Faculty of Veterinary Medicine, University of Al Zagazig, Egypt. 1990, Khartoum, Sudan.

Description of study:

Veterinary Science and Medicine

iii. **Employment history:**

- a) **Associate Professor**, as a **Senior Lecturer**, Department of Biotechnology, Faculty of Engineering, Science and Technology, Infrastructure University Kuala Lumpur (IUKL), Malaysia. Active since 2011 up to date.
- b) **Associate Professor**, Department of Microbiology, Faculty of Veterinary Medicine, University of Bahri, Sudan since 1995 -2006.
- c) **Post-Doctorate fellow**, School of Biosciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM), Malaysia 2007-2009.
- d) **Dean**, Delta National Collage of Science and Technology, Omdurman, Sudan, 2004-2006.

iv. **Current Teaching and Administration Responsibilities :**

Teaching Responsibilities since 1995 up-to-date:

- Microbiology
- Molecular Biology
- Genetics
- Immunology
- Microbial Metabolism
- Cell and Molecular Biology
- Pathogen and Diagnostic Microbiology
- Environmental Biotechnology
- Industrial Fermentation Technology
- Introduction to Biotechnology
- Bioinstrumentation & Analytical techniques
- Fundamentals in Biochemistry
- Biosafety and Bioethics
- Instrumentation in Biotechnology
- Fundamentals in Fermentation Technology
- Food Biotechnology
- Bioprocess Technology
- Downstream processing

Administration Responsibilities :

- **Dean**, Delta National Collage of Science and Technology, Omdurman, Sudan, 2004-2006.
- **Head** of Department of Microbiology, Faculty of Veterinary Medicine, University of Bahar El Ghazal, 1996-2003.
- **Head** of Examination unit, Faculty of Veterinary Medicine, University of Bahar El Ghazal, 2002-2005.
- **Member**, Research committee, Faculty of Engineering, Science and Technology, Infrastructure University Kuala Lumpur (IUKL), Malaysia.

v. **Current Professional Membership :**

- a) - Malaysian Society for Biochemistry and Molecular Biology (MSBMB) OM-2013-020, 2013
- b) - Genetics Society of Malaysia, PERSATUAN GENETIK MALAYSIA, PGM718, 2011
- c) - Sudan Veterinary Council Member, (No. 1528), 1991
- d) - Sudanese Association of Microbiology, 1994
- e) - Asian Council of Science Editors (ACSE), No 249.7487

vi. **Honours/awards**

- a) **Scholarship** from Ministry of Higher Education, Sudan (July, 2007); supporting the **Post Doctorate**, University of Bahr Al Gahzal and the Universiti Kebangsaan Malaysia. STG1820 Grant,
- b) **Scholarship** from Ministry of Higher Education, Sudan (January, 1995); supporting the Ph. D. research.
- c) **External Research Grants:**
 - Evaluation of the Infectious Bursal Disease vaccine in Sudan- Ministry of High Education fund, 2006.
 - Sustainable cultivation of Pay scallop from the cold shore of China to temperate ocean in Malaysia. (Gammat project) Protasco fund 2012

vii. **Conferences and Seminars :**

- a) International Conference on Advanced Research in Renewable Energy 2019 (ICARRE 2019) Asian Scholars Network (002903215-H) 20 Jalan 2A/3, Bandar Baru Selayang Fasa 2A, 68100 Batu Caves, Selangor, Malaysia.
- b) 2nd International conference on Applied Sciences and Industrial Technology (ICASIT2018), Swiss Garden Hotel, Malacca, Malaysia. 13 – 15th November 2018 (Presenter).
- c) The ACSE Annual Conference, August 13-14, 2015, Metropolitan Palace, Dubai.
- d) International Infrastructure Conference 2014 (IICON 2014), Kuala Lumpur, Malaysia, 3rd-4th December 2014.
- e) The 6th IUKL Conference, International conference on Information technology (ITinfra2013) as a poster judges. Palm Garden Hotel, Putra Jaya, Malaysia, 29th October 2013.
- f) Research & Commercialisation seminar 2013, from research & development (R&D) to patenting. By PINTAS IP GROUP. 10 July 2013.
- g) The 38th annual MSBMB conference as a presenter, Marriot Hotel and SPA, Putra Jaya, Malaysia, August 2013.
- h) Agriculture Technology Seminar series vi (sustainable Agriculture), Universiti Tunku Abdul Rahman (UTAR), Perak, Malaysia, 2012.
- i) The 11th Symposium of the Malaysian Society of Applied Biology (MSABY) 2010, Biological Balance towards Life Sustainability.
- j) The 25th Southern Biomedical Engineering Conference, Miami, FL. USA, May 2009.
- k) International Conference" West Asia/Middle east-Malay world relations: Opportunities from globalization", October 2009.
- l) 1st International Conference on Sheep and Goat Diseases and Productivity, Irbid, Jordan, 1999.
- m) 4th Scientific Conference, Animal Resources, Khartoum, Sudan, 1999.
- n) 8th Arab Veterinary Conference, Khartoum, Sudan, 1998.
- o) 22nd Arab Veterinary Medical Conference, Dokki, Cairo, Egypt, 1995.
- p) Animal Resources Conference of The Central State under authoress of strategic Technology for Development. Wad Medani, Sudan, 1992.

viii. **Professional Certificates**

- a) Certificate of attendance, Gibco Galaxy Tour in Malaysia, 2019 - Cell Culture Basics.
- a) Certificate of Reviewing. The Journal Composites Part B, ELSEVIER Science. Awarded in June 2019.
- b) Certificate of participation, InfraPlus Communication Tools I. Infrastructure University Kuala Lumpur. 20th March 2019.
- c) Certificate of participation, InfraPlus Communication Tools II. Infrastructure University Kuala Lumpur. 30th April 2019.
- d) Certificate of participation, Understanding DNA using molecular tools workshop. 13th – 15th August 2018 at Apical Training Centre, Apical Scientific Sdn, Bhd, Seri Kembangan, Selangor, Malaysia.
- e) Certificate of attendance, Writing for Scholarly Publication. Infrastructure University Kuala Lumpur. 27th July 2018.
- f) Certificate of attendance, Outcome Based Workshop – How to Measure. Infrastructure University Kuala Lumpur. 19th April 2018.
- g) Certificate of attendance, Kickstart with Moodle. Infrastructure University Kuala Lumpur. 14th March 2018.
- h) Certificate of attendance, Google Drive Workshop. Infrastructure University Kuala Lumpur. 13th February 2018.
- i) Certificate of attendance, E-Education workshop: Making lecture videos. Organized by Faculty of creative Media and Innovative Technology. 21th November 2017.
- j) Certificate of participation, Infrastructure University Innovation and Invention Competition (IUIIC 2017), 20th December 2017, Malaysia.
- k) Certificate of attendance, Writing Scholarly Journal Workshop. Organized by Research Management Centre, Infrastructure University Kuala Lumpur. 23rd August 2017.
- l) Certificate of Completion, Successful grant application: getting it right. Elsevier Publication Campus, March, 2017
- m) Workshop, Microbial Metagenomics. Malaysia Genomic Institute (MGI), National Genomic Institute of Biotechnology Malaysia. 24th October/2016.
- n) Halal Ecosystem on Standards & Conformance Infrastructure for OIC countries, 18-28 October/2015. Everly Hotel, Putra Jaya, Malaysia.
- o) Certificate of Reviewing. The Journal Anaerobe, ELSEVIER Science. Awarded in September 2015.
- p) Certificate of attendance, ACSE 2nd annual meeting 2015, 13 August. Dubai, UAE.
- q) Certificate of participation on Publication Ethics, Peer Review and Metrics. Led by Dr. Elizabeth Wager. Dubai, UAE. August 2015.
- r) Certificate of participation on Developing a Successful Journal. Led by Pippa Smart. Dubai, UAE. August 2015.
- s) Certificate of participation on Marketing for Scholarly Journals. Led by Rachel Maund. Dubai, UAE. August 2015.
- t) Certificate of recognition, Organizing workshop in Fermentation Technology at Universiti Kebangsaan Malaysia (UKM), Malaysia. January 2015.
- u) ISO9001:2008 Awareness, Documentation and Implementation in the Infrastructure University Kuala Lumpur (IUKL), Malaysia. June 2014.
- v) Certificate of attendance Introduction to SPSS conducted by Faculty of Applied Science and Foundation Studies, Infrastructure University Kuala Lumpur, Malaysia on 5 June 2014.
- w) Certificate of attendance, International Infrastructure Conference 2014 (IICON 2014), Kuala Lumpur, Malaysia, 3rd-4th December 2014. IUKL, Malaysia.
- x) Certificate of attendance, Research & Commercialisation seminar 2013, from research & development (R&D) to patenting. By PINTAS IP GROUP. 10 July 2013.
- y) Certificate of attendance, The 6th IUKL Conference, International conference on

Information technology (ITinfra2013) as a poster judges. Palm Garden Hotel, Putra Jaya, Malaysia, 29th October 2013.

- z) Two days course on Basic Project Management for Working Professionals, Wisma R & D, University Malaya, Malaysia, 7-8/9 2013.
- aa) Certificate of attendance, The 38th annual MSBMB conference as a presenter, Marriot Hotel and SPA, Putra Jaya, Malaysia, August 2013.
- bb) Certificate of attendance, Agriculture Technology Seminar series vi (sustainable Agriculture), Universiti Tunku Abdul Rahman (UTAR), Perak, Malaysia, 2012.
- cc) Certificate of attendance, Google's web tools: Towards a web working, Infrastructure University Kuala Lumpur, Malaysia (IUKL), 2012.
- dd) Certificate of attendance, Entrepreneurship Across Regions (REDS), Putrajaya, Malaysia, 2012.
- ee) Certificate of recognition, Infrastructure University Innovation and Invention Competition (IUIIC 2012), 26 September 2012, Malaysia.
- ff) Certificate of attendance, ISO9001:2008 Awareness, training, Infrastructure University Kuala Lumpur (IUKL), Malaysia 2012.
- gg) Certificate of attendance, Pedagogy (Staff Development Course), University of Khartoum, Sudan, 1997.
- hh) Certificate of attendance, Evaluation and Accreditation of Higher Education, Ministry of Higher Education and Scientific Research, Khartoum, Sudan, 2006
- ii) Certificate of attendance, Diagnosis by using Recombinant DNA, ILRI. Nairobi, Kenya, 1995.

ix. Practical experience and skills:

- a) Microbial isolation, purification, biochemical characterization, antibiotic resistance and Molecular Identification.
- b) Vaccine production.
- c) DNA isolation, purification, digestion, restriction, ligation and PCR amplification techniques - Genetics.
- d) DNA markers Assistance Techniques.
- e) Biotechnology and Pollution Bioremediation.
- f) Sustainable cultivation of Pay scallop in the lab and ocean.
- g) Computer skills: Windows, Excel and Macintosh operations: Type writing, statistical analysis, graphics, chemical drawing and power point for slide making and presentation.
- h) Laboratory management and writing of progress reports and annual reports.
- i) Writing, Providing advice and support of the related academic syllabuses.
- j) Project Manager
- k) Research training Unit Coordinator, School of Biosciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM), Malaysia, 2008-Present.

x. Ad Hoc Peer Reviewer for the following journals and conferences:

- a) Scialert journals, Journal of Animal Science and Biotechnology <http://www.jasbsci.com>
- b) African Journal of Microbiology Research <http://www.academicjournals.org/AJMR>
- c) Journal of Food Science <http://mc.manuscriptcentral.com/jfs>
- d) Springer springer@news.springer.com
- e) Archives of Agronomy and Soil Science beschow@landw.uni-halle.de
- f) Springer, Biomed Central. The open Access Publisher. springer@news.springer.com
- g) International Conference on Engineering, Information Technology and Science (iicon4014). iicon2014@confbay.com

Editorial Board member of the following journals:

- a) **Editor** International Journal of Advanced Research in Engineering Innovation (e-ISSN: 2682-8499) from 1 June 2020 to 31 May 2022 - <http://myjms.moe.gov.my/index.php/ijarei>
- b) **Editor** Asian Journal of Fundamental and Applied Sciences (e-ISSN: 2716-5957) from 1 June 2020 to 31 May 2022 - <http://myjms.moe.gov.my/index.php/ajfas>
- c) **Editor in chief** Sudan Veterinary Communication (SVC). The Science Publisher (TSP). Open access journal.
- d) **Editor** Infrastructure University Kuala Lumpur Research Journal (IUKLRJ), ISSN 2289-4144, PP 18094/04/3013 (033449).
- e) **Editor** Farming & Management, ISSN 2455-4055.

xi. **Research and Publication :**

Book chapter:

Gum Arabic

Structure, Properties, Application and Economics. Applications of Gum Arabic in Medical and Health Benefits. Chapter 23. Copyright © 2018 Elsevier Inc.2018- **SCOPUS**.

Papers:

Hayyan. I. Al-taweil, Ekhllass, Mohamed Taha, **Noura Mohamed Salih** and Yahya Al Dawood. (2020). Antibacterial activities and Phyto-chemical Properties of Pomegranate Peels and juice. International Journal of Advanced Science and Technology. ISSN: 2005-4238 IJAST. Vol. 29. No.8s. pp. 4037-4043. **SCOPUS**

Hayyan. I. Al-taweil, Ekhllass, Mohamed Taha, **Noura Mohamed Salih** and Yahya Al Dawood. (2020). Bacterial contamination of kitchen sponges and cutting surfaces and disinfection procedure. Indian Journal of Public Health Research & Development. Vol. 11. No 7. Pp.1296-1302.

M. Ishaq Seerengan, **Noura K. M/Salih**, Hayyan. I. Al-taweil, Ekhllass, Mohamed Taha. (2020). The virulent *Trat* gene & antibiotic susceptibility of *Echerichia coli* isolated from sick broiler chicken. International Journal of Advanced Science and Technology (accepted). **SCOPUS**

Noura K. M/Salih, Nithiya Paranjothi. (2019). Bioethanol production from *Aspergillus niger* 2081 by submerged batch fermentation using honeydew melon (*Cucumis melo*) rinds as a substrate. International Journal of Advanced Research in Engineering Innovation e-ISSN: 2682-8449 | Vol. 1, No. 1, 1-11, 2019. <http://myjms.mohe.gov.my/index.php/ijarei>. & International Conference on Advanced Research in Renewable Energy 2019 (ICARRE 2019) Asian Scholars Network (002903215-H) 20 Jalan 2A/3, Bandar Baru Selayang Fasa 2A, 68100 Batu Caves, Selangor, Malaysia.

Noura K. M/Salih, Nura Abdullahi, Hayyan Al Taweel (2018). Latent Period of *Pseudomonas aeruginosa* in Dairy Product (Yogurt and Pasteurized Milk). IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399. Volume 12, Issue 6 Ver. II (June. 2018), PP 88-94. [www.iosrjournals.org](http://iosrjournals.org)
[http://iosrjournals.org/iosr-jestft/pages/12\(6\)Version-2.html](http://iosrjournals.org/iosr-jestft/pages/12(6)Version-2.html)

Hayyan. I. Al-taweil, Ekhllass, M. T, **Noura K. M. S.** and Wan Mohtar Wan Yousef. (2016). influence of room temp., freezing and temp/4^oc on shelf-life of *Trichoderma* & *Bacillus* as bioinoculants at storage condition. Journal of University of Duhok., Vol.19, No.1 (Agri. and Vet. Sciences),Pp 531-533, 2016 (Special Issue) The 2nd Scientific Agricultural Conference (April 26 and 27th 2016) proceeding. 531 – 533.

Noura Karamalla M/Salih. (2016). Applications of Gum Arabic in Medical and Health Benefits. International Workshop of Applications (food, feed, medicinal ect), physical and chemical properties and Advanced methods of Analysis of Gum Arabic. Ministry of Higher Education, Khartoum, Sudan.

Nawal Noureldim Abuelhassan, Sahilah Abdul Mutalib, **Noura Karamalla M/Salih** and Wan Mohtar Wan Yusoff. (2016). Prevalence and virulence factors of shiga toxin producing E. coli isolated from raw meat: A review. *Eco. Env. & Cons.* 21 (4): 2015; pp. (519-530) Copyright@ EM International. ISSN 0971-765X

Nadia Farhana Azman, Peyman Abdeshahian, Abudukeremu Kadier, Najeeb Kaid Nasser Al-Shorgani, **Noura K.M. Salih**, Izzati Lananan, Aidil Abdul Hamid, Mohd Sahaid Kalil. (2016). Biohydrogen production from de-oiled rice bran as sustainable feedstock in fermentative process. *International Journal of Hydrogen Energy.* Volume 41, Issue 1, 5 January 2016, Pages 145-156. doi.org/10.1016/j.ijhydene.2015.10.018. **SCOPUS**

Ekhlass M. Taha, Hayyan I. Al-Taweil, **Noura K.M.S**, Wan Mohtar Wan Yusoff, Othman Omar and Aidil Abdul Hamid. (2016) Biochemical Characterization for Lipid Synthesis in *Aspergillus niger*. *Baghdad Science Journal*, Volume 13, Issue 2, Pages 375-382. P-ISSN: 2078-8665. E-ISSN: 2411-7986 **SCOPUS**

Noura K. Mohamed Salih, Lee Su Yee, Soon, S. Zainoddin Bin Jamari, Zaidnuddin Bin Ilias, Mohd Saleh Bin Mohd Taha. (2016). Sustainable Cultivation of Temperate Bay scallops (*Argopecten irradians*) in Malaysia East Coast. *International Journal of Farming & Management.* RNI NO:1270719/2015. Reference No.: GSARIC-2015/FM/001.

Hayyan, I, Al-Taweil, **Noura K. M. S**, Ekhlass, M.T. (2015). Use of date syrup as an alternative carbon source for microbial cultivation. *World Journal of Microbiology.* Vol. 1(3), pp. 017-021, July, 2015. www.premierpublishers.org, ISSN: 2141-5032

Nadia Farhana Azman, **Noura K.M. Salih**, Marjan Ganjali DashtiMarjan, Hesam Kamyab, N.B. Esfahani, Aidil Abdul Hamid, Mohd Sahaid KalilMohd Sahaid Kalil. (2015). Production of Hydrogen Energy from Palm Oil Mill Effluent As Sustainable Biomass Using An Emperical Model. *Proceedings of the 8th International Conference on Sustainable Energy & Environmental Protection.* Malaysia

Noura K. Mohamed Salih, Lee Su Yee, Soon, S. Zainoddin Bin Jamari, Zaidnuddin Bin Ilias, Mohd Saleh Bin Mohd Taha. (2014). The Influence of Temperature on Spat of the China Bay Scallop *Argopecten irradians* Cultured in Malaysia. *The international infrastructure conference (iicon 2014).* Sunway Resort Hotel & Spa.Malaysia. Paper ID: IICON2014_ICEITS-45.

Peyman Abdeshahian, Najeeb Kaid Nasser Al-Shorgani, **Noura K. M/Salih**, Hafiza Shukora, Abudukeremu Kadier, Aidil Abdul Hamid, Mohd Sahaid Kalil. (2014). The production of biohydrogen by a novel strain *Clostridium* sp. YM1 in dark fermentation process. *International Journal of Hydrogen Energy.* Volume 39, Issue 24. Pages 12524-12531. **SCOPUS**

Noura K. Salih and S. M. El Sanousi, (2013). The fatty acid patterns of *Staphylococcus* species as a tool of diagnosis. *The 38th annual MSBMB conference*, Marriot Hotel and SPA, Putra Jaya, Malaysia.

Noura, K. M/Salih and Wan Mohtar Wan Yusoff (2013). Microbe in Muslim Scholars thinking. *Infrastructure University Kuala Lumpur Research Journal (IUKLRJ)*, Vol. 1 No. 1. ISSN 2289-4144.

Noura, K. M/Salih, Ekhlass M. Taha, and Wan Mohtar Wan Yusoff.(2010). The production of mannanase by Solid Substrate Fermentation (SSF) of Palm Kernel Cake (PKC) and

degradation of crude fiber. The 11th Symposium of the Malaysian Society of Applied Biology (MSABY) 2010, Biological Balance towards Life Sustainability.

Noura, K. M/Salih, Mubarak M. Tibin and Wan Mohtar Wan Yusoff (2010). Enhanced Production of Bioethanol from Local Malay Isolated Cellulase-producing Clostridia. (Under publication).

Noura, K. M/Salih, Andri Hutari, and Wan Mohtar Wan Yusoff (2009) Maximization and Storage of the Probiotic *Lactobacillus salivarius* subsp. *salivarius* with High Validity and Functionality. International Journal of MEDICAL IMPLANTS and DEVICES. Vol. 4. No. 1 and 25th Southern Biomedical Engineering Conference, 15 – 17 May 2009, Miami, Florida, USA. IFMBE Proceedings Volume 24, 2009, pp 175-178. [SCOPUS](#)

Noura, K. M.Salih, Nur Hasanah Jusuf, Aidil Abdul Hamid and Wan Mohtar Wan Yusoff (2009). High prevalence of *Pseudomonas* species in soil samples from Ternate Island – Indonesia. Pakistan Journal of Biological Sciences (PJBS). 12(14):1036-1040. ISSN 1028-8880.

Babiker Mohamed Alamin, Yahia Ibrahim, **Noura K. M.Salih** (2009). Effect of some Vitamins and Electrolytes on Chickens Infected with Infectious Bursal Disease. World Applied Sciences Journal 7 (3): 366-370. ISSN 1818-4952.

M.A. A. Babikre; A. Tawfieg, I.E. Yahya; **Noura k.** (2009). Mortality and Disease Status in Layer Chicken Flocks Reared in Traditional Farms in Khartoum-Sudan. Inter. J. Poult. Sci. 8(3):264-269. ISSN 1682-8356.

M.A. A. Babikre; I.E. Yahya; **Noura k.** (2008). Role of administration route of anti-infectious Bursal disease vaccine on immunization of chickens. Inter. J. Poult. Sci. 7(3):279-282.

M.A. A. Babikre; I.E. Yahya; **Noura k.** (2008). Investigations on nine flocks infected with Infectious Bursal disease virus in Khartoum state (Sudan) 2008. Inter J. poult. Sci. 7(3):285-288. ISSN 1682-8356.

M.A.A. Babikre; I.E. Yahya; **Noura k.**; M.E. Manal (2008). Evaluation of four infectious bursal disease vaccines under Sudan condition. Inter. J. Poult. Sci. 7(6):570-573. ISSN 1682-8356.

M.A.A. Babikre; I.E. Yahya; **Noura k.** (2008). Mortality and disease status during the first 16 weeks in egg type chickens in traditional poultry farms in Khartoum-Sudan. The Sudan J. Vet. Research 30:74-77.

M.A.A. Babikre; I.E. Yahya; **Noura k.** (2008). Effect of Vitamins and minerals supplementation on chicks vaccinated and challenged with infectious bursal disease virus. The Sudan J. Vet. Sci. 47:45-49.

Noura K. Salih; and S.M. ElSanousi, (1999). The Taxonomy of *Staphylococcus* species isolated from sheep abscesses. Proc. 1st International Conference on Sheep and Goat Diseases and Productivity, Irbid, Jordan.

Noura K. M. and Mukhtar, M.M. (1999). Sodium dodecyl sulphate polyacrylamide gel electrophoresis (SDS-PAGE) of *Staphylococcus* species proteins. Proc. 4th Scientific Conference, Animal Resources, Khartoum, Sudan.

Noura K. M.; Mohamed, M. E. H.; Mukhtar, M.M. (1998). Polymorph-nuclear neutrophils (PMNs) response to *Staphylococcus aureus* subsp. *anaerobius* isolated from sheep abscesses. Proceeding of the 8th Arab Veterinary Conference Khartoum, Sudan.

Papers considered ready for publications:

Noura K. Salih, Nazlina Ibrahim, Wan Mohtar Wan Yusoff. Molecular Characterization and Efficacy of Important Bacterial isolates (*Salmonella* and *E.coli*) for Development of Novel Vaccines.

Noura K. M/Salih; Andri Hutari; Nazlina Ibrahim and Wan Mohtar Wan Yusoff. Molecular Study (Morphology and DNA Homology) of *Lactobacillus salivarius subsp. salivarius* (NWSM) Local Malay for industry use.

Noura K. M/Salih¹, Dhiyana S. Bt M. Nazar². Molecular characterization and antimicrobial susceptibility of *Salmonella* isolated from pre and post chilled poultry carcasses in Malaysia

Noura K. M/Salih¹, M. Ishaq Bin Seerengan². Antibiotic susceptibility of *Escherichia coli* isolated from broiler chicken in Selangor, Malaysia

Noura K. M/Salih¹, Ibrahim Mahamat Oumar². *Pseudomonas aeruginosa* in Swimming Pools Water: Hazards & Human Health Risk Assessment

Noura K. M/Salih¹, Fazlen Bt. B. Khan². Antimicrobial Activity of Gum Arabic (*Acacia senegal* and *Acacia seyal*) against Pyogenic infections.

xii. **Consultancy :**

- a) Specialist in Veterinary clinic, Khartoum state, Sudan. 1991-2007.
- b) Consultant and Marketing Manager, Nile Drug Company Ltd., Al Gamhorai Street, Khartoum State, Sudan. 1991-1993.

xiii. **Community Service :**

Main researcher in the following research projects:

- a) Sustainable Cultivation and Supply of Temperate Species of Bay Scallops in Malaysia East Coast. Co-investigator, started in 2012 and finished on 2014 Funded by the Research Management Centre (RMC), Infrastructure University Kuala Lumpur (IUKL)
- b) Optimization of *Lactobacillus salivarius* as a Probiotic, Project leader, started in 2008 and finished on 2010. Funded by University of Bahar El Gahazal- Sudan, Grant No. STGL 003-2008.
- c) The use of Palm Kernel Cake (PKC) in simple stomach animal's food by digesting enzyme mannanase from *Aspergillus niger*. Project leader, Funded by the Department of Scientific Research, Ministry of High Education- Malaysia. 2010.
- d) Factors play role on vaccination against Infectious Bursal Disease (Gumboro) failure. Co-investigator, Funded by the Department of Scientific Research, Ministry of Higher Education- Sudan. 2006-2008.

xiv. **Other Relevant Information : Research Grants Awarded**

- a) Technical reviewer for the Scientific Committee for International Infrastructure Conference 2014 (IICON 2014), Kuala Lumpur, Malaysia, 3rd-4th December 2014.
- b) Technical reviewer for the International Conference on Engineering, Information Technology and Science (ICEITS 2014)
- c) Judge, International Conference on Information Technology Infrastructure (ITinfra 2013), Palm Garden Hotel, Putra Jaya, Malaysia, 29th October 2013.
- d) Post-doctorate fellow (Full research-time) 2007- 2009, School of Biosciences and

<p>Biotechnology, Faculty of Science and Biotechnology, Universiti Kebangsaan Malaysia, Malaysia.</p> <p>e) Research fellow, reading for M Sc. 1991 - 1994.</p> <p>f) Senior Assistant Researcher: 1994-1997, Department of microbiology, Faculty of Veterinary Science, University of Khartoum – Sudan</p> <p>g) Research fellow, for PhD 1994- 1997, Department of microbiology, Faculty of Veterinary Science, University of Khartoum - Sudan.</p>
<p>xv. Voluntary work positions:</p> <p>a) Coordinator for the MOU between Infrastructure University Kuala Lumpur (IUKL), Malaysia, University of Bahri (U of B), Khartoum North, Sudan, 2012.</p> <p>b) Coordinator for the MOU between University Putra Malaysia (UPM), Malaysia and University of Bahri (U of B), Khartoum North, Sudan, 2014.</p> <p>c) Coordinator for the MOU between Universiti Kebangsaan Malaysia (UKM), Malaysia and Sudan Central Lab (MOSTI), Sudan, 2008-Present.</p> <p>d) Research and training facilitator at the School of Biosciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia.</p> <p>e) Head of laboratory equipment committee, Faculty of Veterinary Science, University of Bahar El Ghazal, 2003 -2004.</p> <p>f) Head of academic syllabuses committee, Faculty of Veterinary Science, University of Bahar El Ghazal, 2004.</p> <p>g) Advisor for Arab Student Association (ASA) at the Infrastructure University Kuala Lumpur (IUKL), Malaysia, 2012 -Present.</p> <p>h) Advisor for Sudanese Student's Society (SSS), Infrastructure University Kuala Lumpur (IUKL), Malaysia, 2014 -Present.</p> <p>i) Advisor for Egyptian Student Association (ESA), Infrastructure University Kuala Lumpur (IUKL), Malaysia, 2014 -Present.</p> <p>j) Advisor for Yemeni Student's Society (YSS), Infrastructure University Kuala Lumpur (IUKL), Malaysia, 2017 -Present.</p>
<p>xvi. Languages:</p> <p>a. Arabic language – Excellent- Mother tongue</p> <p>b. English language – Excellent</p> <p>c. Bahasa Malayu - Moderate</p>
<p>xvii. Hobbies:</p> <ul style="list-style-type: none"> • Play Chess, watch movies, enjoy music and travels.
<p>xviii. References:</p> <ul style="list-style-type: none"> • Professor Dr. Hj. WAN MOHTAR WAN YOSUFF, School of Biosciences and Biotechnology, Faculty of Sciences and Technology, University Kebangsaan Malaysia, Malaysia. HP: 0060193333921 wantar@ukm.my Or wantarukm@gmail.com. • Professor Dr. ABDALBASIT ADAM MARIOD, College of Sciences and Arts-Alkamil, King Abdulaziz University, PO BOX 110 ALKAMIL 21931. Alkamil-Saudi Arabia. Fax: 00966 -02 5947904 Mobile: 00966543524074 basitmariod@yahoo.com Or aalnadif@kau.edu.sa • Professor Dr. HANAN MAOWIA IBRAHIM, Department of Biology, Central Research Lab, Khartoum, Sudan. HP : 00249911171941 hara111@yahoo.com