

## **Curriculum Vitae**



### **Saeed Saleh Banawas, PhD**

Associate Professor of Microbiology  
Department of Medical Laboratories  
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Majmaah University, Majmaah 11952 -Saudi Arabia  
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### **Educational qualification:**

- Ph.D. in Microbiology. Oregon State University, USA - May.2016
- M.S` degree in Biomedical Science. Oregon State University, U.S.A. December-2010
- B.Sc. Applied Microbiology. Umm-Al-Qura University, Makkah – Saudi Arabia. March-2004

### **Positions and Employments:**

- [2019-2020] Courtesy Appointment professor - Biomedical Science Department-Oregon State University-USA.
- [2018-2020] Director of Majmaah Innovation Center - Majmaah University-Saudi Arabia.
- [2016-present] Director of Science and Technology Unit (STU)-Majmaah University-Saudi Arabia.

- [2016-present] Vice-Dean of Scientific Research Deanship- Majmaah University-Saudi Arabia.
- [2005-2006] Microbiologist in the Holy Mecca Municipality
- [2004-2005] Quality Controller at *Sunbulah food & fine Pastries Mfg.co.ltd Jeddah-Saudi Arabia*

### **Grants and Fellowships:**

- Research funds from the Ministry of education (MOHE)- International Collaboration initiative 2020.
- Majmaah University Funding program 1439 AD.
- Research funds from the Ministry of Higher education (MOHE) -Saudi Arabia for PhD degree 2011-2016
- Research funds from the Ministry of Higher education (MOHE) -Saudi Arabia for master's degree 2008-2010

### **Awards and Honors:**

- Student Travel Grant Award 113<sup>th</sup> General Meeting- May 18-21, 2013 Denver, Colorado. USA.
- 2012 Gut Check Foundation Award 112<sup>th</sup> General Meeting-June 16-19, 2012 San Francisco, California. USA.

### **Research area:**

My research area is on molecular medical bacterial pathogenesis, food safety, infection diseases and food poisoning.

### **Publications:**

1. Bijani, S.; Iqbal, D.; Mirza, S.; Jain, V.; Jahan, S.; Alsaweed, M.; Madkhali, Y.; Alsagaby, S.A.; **Banawas, S.**; Algarni, A.; Alrumaihi, F.; Rawal, R.M.; Alturaiki, W.; Shah, A. **2022**. Green Synthesis and Anticancer Potential of 1,4-Dihydropyridines-Based Triazole Derivatives: In Silico and In Vitro Study. *Life* , 12, 519.

2. Amir M, Bano N, Baker A, Zia Q, **Banawas S**, Zaheer MR, et al. **2022**. Isolation and optimization of extracellular PHB depolymerase producer *Aeromonas caviae* Kuk1-(34) for sustainable solid waste management of biodegradable polymers. PLoS ONE 17(4): e0264207.
3. Iqbal, D.; Rizvi, S.M.D.; Rehman, M.T.; Khan, M.S.; Bin Dukhyil, A.; AlAjmi, M.F.; Alshehri, B.M.; **Banawas, S.**; Zia, Q.; Alsaweed, M.; Madkhali, Y.; Alsagaby, S.A.; Alturaiki, W. **2022**. Soyasapogenol-B as a Potential Multitarget Therapeutic Agent for Neurodegenerative Disorders: Molecular Docking and Dynamics Study. *Entropy* , 24, 593.
4. Ahmed Ismail, Saleh Aloyuni, Raed Alharbi, Sadaf Jahan, **Saeed Banawas**, Omar Darwish, Subramanian Senthilkumar, Ahmed Abdel-Hadi. **2022**. Fungal metabolite isolated from *Mycosphaerella nawae* AM20 and its protective role in cerebral ischemia, Journal of King Saud University - Science,34,5.
5. Alshehri, B., Vijayakumar, R., Senthilkumar, S., Ismail, A., Abdel-Hadi, A., Choudhary, R.K., Albenasy, K.S., **Banawas, S.**, Alaidarous, M.A., Manikandan, P., **2022**. Therapeutic potential of nitric oxide synthase inhibitor from natural sources for the treatment of ischemic stroke. Saudi journal of biological sciences 29, 984-991.
6. Jahan, S., Mukherjee, S., Ali, S., Bhardwaj, U., Choudhary, R.K., Balakrishnan, S., Naseem, A., Mir, **S.A.**, **Banawas, S.**, Alaidarous, M., Alyenbaawi, H., Iqbal, D., Siddiqui, A.J., **2022**. Pioneer Role of Extracellular Vesicles as Modulators of Cancer Initiation in Progression, Drug Therapy, and Vaccine Prospects. *Cells* 11, 490.
7. Alshehri, B., Vijayakumar, R., Senthilkumar, S., Ismail, A., Abdelhadi, A., Choudhary, R.K., Albenasy, K.S., **Banawas, S.**, Alaidarous, M.A., Manikandan, P., **2022**. Molecular target prediction and docking of anti-thrombosis compounds and its activation on tissue-plasminogen activator to treat stroke. Journal of King Saud University - Science 34, 101732.
8. Mir, S.A., Firoz, A., Alaidarous, M., Alshehri, B., Bin Dukhyil, A.A., **Banawas, S.**, Alsagaby, S.A., Alturaiki, W., Bhat, G.A., Kashoo, F., Abdel-Hadi, A.M., **2022**. Identification of SARS-CoV-2 RNA-

dependent RNA polymerase inhibitors from the major phytochemicals of *Nigella sativa*: An in silico approach. Saudi journal of biological sciences 29, 394-401.

9. Iqbal, D., Rehman, M.T., Bin Dukhyil, A., Rizvi, S.M.D., Al Ajmi, M.F., Alshehri, B.M., **Banawas, S.**, Khan, M.S., Alturaiki, W., Alsaweed, M., **2021**. High-Throughput Screening and Molecular Dynamics Simulation of Natural Product-like Compounds against Alzheimer's Disease through Multitarget Approach. *Pharmaceuticals* 14, 937.
10. Abdel-Hadi, A., Alshehri, B., Waly, M., Aboamer, M., **Banawas, S.**, Alaidarous, M., Palanisamy, M., Awad, M., Baazeem, A., **2021**. Predictive Modeling and Validation on Growth, Production of Asexual Spores and Ochratoxin A of *Aspergillus Ochraceus* Group under Abiotic Climatic Variables. *Microorganisms* 9, 1321.
11. Alqahtani, S.M., A. Alsagaby, S., Mir, S.A., Alaidarous, M., Bin Dukhyil, A., Alshehri, B., **Banawas, S.**, Alturaiki, W., Alharbi, N.K., Azad, T.A., Al Abdulmonem, W., **2021**. Seroprevalence of Viral Hepatitis B and C among Blood Donors in the Northern Region of Riyadh Province, Saudi Arabia. *Healthcare* 9, 934.
12. Rudrapal, M., Gogoi, N., Chetia, D., Khan, J., **Banawas, S.**, Alshehri, B., Alaidarous, M.A., Laddha, U.D., Khairnar, S.J., Walode, S.G., **2021**. Repurposing of phytomedicine-derived bioactive compounds with promising anti-SARS-CoV-2 potential: Molecular docking, MD simulation and drug-likeness/ADMET studies. *Saudi journal of biological sciences*.
13. Iqbal, D., Khan, M.S., Waiz, M., Rehman, M.T., Alaidarous, M., Jamal, A., Alothaim, A.S., AlAjmi, M.F., Alshehri, B.M., **Banawas, S.**, Alsaweed, M., Madkhali, Y., Algarni, A., Alsagaby, S.A., Alturaiki, W., **2021**. Exploring the Binding Pattern of Geraniol with Acetylcholinesterase through In Silico Docking, Molecular Dynamics

Simulation, and In Vitro Enzyme Inhibition Kinetics Studies. *Cells* 10, 3533.

- 14.** Ali, R., Islamuddin, M., Tabrez, S., Alsaweed, M., Alaidarous, M.A., Alshehri, B.M., **Banawas, S.**, Bin Dukhyil, A.A., Rub, A., **2021**. Embilica officinalis L. inhibits the growth and proliferation of Leishmania donovani through the induction of ultrastructural changes, mitochondrial dysfunction, oxidative stress and apoptosis-like cell death. *Biomedicine & Pharmacotherapy* 143, 112156.
- 15.** Bano, N., Siddiqui, S., Amir, M., Zia, Q., **Banawas, S.**, Iqbal, D., Roohi, **2021**. Bioprospecting of the novel isolate Microbacterium proteolyticum LA2(R) from the rhizosphere of Rauwolfia serpentina. *Saudi journal of biological sciences*.
- 16.** Limon Rahman, M., Emon Ali, A.H.M., Majibur Rahman, M., Mahbub, S., Rana, S., Masood Khan, J., Anamul Hoque, M., Alaidarous, M., **Banawas, Saeed.**, Jamal, A., **2021**. Investigation of aggregation behavior of ionic surfactant mixture in crystal violet dye solution at different temperatures and solvent compositions: Conductivity and theoretical approach. *Journal of Molecular Liquids* 338, 116402.
- 17.** Bhat, E.A., Sajjad, N., **Banawas, Saeed.** *et al.* **2021**. Human CALHM5: Insight in large pore lipid gating ATP channel and associated neurological pathologies. *Mol Cell Biochem*.  
<https://doi.org/10.1007/s11010-021-04198-y>
- 18.** Khan, M.F., Siddiqui, S., Zia, Q., Ahmad, E., Jafri, A., Arshad, M., Jamal, A., Alam, M.M., **Banawas, Saeed.**, Alshehri, B.A., Baazeem, A., Althobaiti, F., Ansari, A.H., Mohammadi, A.A., **2021**. Characterization and in vitro cytotoxic assessment of zinc oxide nanoparticles in human epidermoid carcinoma cells. *Journal of Environmental Chemical Engineering* 9, 105636.

- 19.** Rahman, F, Tabrez, S, Ali, **Banawas, Saeed**, R, et al. Virtual screening of natural compounds for potential inhibitors of Sterol C-24 methyltransferase of *Leishmania donovani* to overcome leishmaniasis. *J Cell Biochem.***2021**; 1- 13.  
<https://doi.org/10.1002/jcb.29944>
- 20.** Ahmed, M.Z., Zia, Q., Haque, A., Alqahtani, A.S., Almarfadi, O.M., **Banawas, Saeed**, Alqahtani, M.S., Ameta, K.L., Haque, S., **2021**. Aminoglycosides as potential inhibitors of SARS-CoV-2 main protease: an in silico drug repurposing study on FDA-approved antiviral and anti-infection agents. *Journal of Infection and Public Health* 14, 611-619.
- 21.** Tabrez, S, Rahman, F, Ali, **Banawas, Saeed**, R, et al. Repurposing of FDA-approved drugs as inhibitors of sterol C-24 methyltransferase of *Leishmania donovani* to fight against leishmaniasis. *Drug Dev Res.* **2021**; 1– 8. <https://doi.org/10.1002/ddr.21820>
- 22.** Tabrez, S., Rahman, F., Ali, R., Akand, S.K., Alaidarous, M.A., Alshehri, B.M., **Banawas, Saeed.**, Dukhyil, A.A.B., Rub, A., **2021**. Targeting sterol alpha-14 demethylase of *Leishmania donovani* to fight against leishmaniasis. *J Cell Biochem*; 1- 11. <https://doi.org/10.1002/jcb.29922>
- 23.** Ali, R., Tabrez, S., Rahman, F., Alouffi, A.S., Alshehri, B.M., Alshammari, F.A., Alaidarous, M.A., **Banawas, Saeed.**, Dukhyil, A.A.B., Rub, A., **2021**. Antileishmanial Evaluation of Bark Methanolic Extract of *Acacia nilotica*: In Vitro and In Silico Studies. *ACS Omega* 6, 8548-8560.
- 24.** Tabrez, S., Rahman, F., Ali, R., Akand, S.K., Alaidarous, M.A., **Banawas, Saeed.**, Dukhyil, A.A.B., Rub, A., **2021**. Hesperidin Targets *Leishmania donovani* Sterol C-24 Reductase to Fight against Leishmaniasis. *ACS Omega* 6, 8112-8118.
- 25.** Kumar, D., Jahan, S., Khan, A., Siddiqui, A.J., Redhu, N.S., Wahajuddin, Khan, J., **Banawas, Saeed.**, Alshehri, B., Alaidarous, M.,

- 2021.** Neurological Manifestation of SARS-CoV-2 Induced Inflammation and Possible Therapeutic Strategies Against COVID-19. *Molecular Neurobiology*.
- 26.** Ahmed, M.Z., Zia, Q., Haque, A., Alqahtani, A.S., Almarfadi, O.M., **Banawas, Saeed.**, Alqahtani, M.S., Ameta, K.L., Haque, S., **2021.** Aminoglycosides as potential inhibitors of SARS-CoV-2 main protease: an in silico drug repurposing study on FDA-approved antiviral and anti-infection agents. *Journal of Infection and Public Health* 14, 611-619.
- 27.** Hams Tabrez, Fazlur Rahman, Rahat Ali, Abdulaziz S. Alouffi, Bader Mohammed Alshehri, Fahdah Ayed Alshammari, Mohammed A. Alaidarous, **Saeed Banawas**, Abdul Aziz Bin Dukhyil, and Abdur Rub. **2021.** Assessment of the Antileishmanial Potential of Cassia fistula Leaf Extract. *ACS Omega* 6 (3), 2318-2327
- 28.** Shams Tabrez, Fazlur Rahman, Rahat Ali, Abdulaziz S. Alouffi, Sajjadul Kadir Akand, Bader Mohammed Alshehri, Fahdah Ayed Alshammari, Aftab Alam, Mohammed A. Alaidarous, **Saeed Banawas**, Abdul Aziz Bin Dukhyil, Abdur Rub; **2021.** Cynaroside inhibits *Leishmania donovani* UDP-galactopyranose mutase and induces reactive oxygen species to exert antileishmanial response. *Biosci Rep* 29 January; 41 (1): BSR20203857
- 29.** Khan, J., Alshehri, B., **Banawas, Saeed**, **2021.** PROBIOTIC POTENTIAL AND STRESS TOLERANCE IN LACTOBACILLUS MU1008 ISOLATED FROM CHILLED YOGURT SAMPLES OF MAJMAAH. *International Journal of Pharmaceutical Sciences and Research* 12, 654-660.
- 30.** Abrez, S., **Banawas Saeed** et al. **2020.** "GC–MS analysis of phytoconstituents of *Acacia nilotica* and its molecular docking with drug-targets of *Leishmania donovani* to combat leishmaniasis." *Scientific Reports*.

31. Khan, M. F., **Banawas Saeed**, et al. **2020**. "Anti-quorum Sensing and Anti-biofilm Activity of Zinc Oxide Nanospikes." ACS Omega.
32. Mir SA, Alshehri BM, Alaidarous M, **Banawas Saeed**, Dukhyil AAAB, Alturki MK. **2020**. Prevalence of Hemoglobinopathies ( $\beta$ -Thalassemia and Sickle Cell Trait) in the Adult Population of Al Majma'ah, Saudi Arabia. Hemoglobin. 44:1, 47-50.
33. Alshehri B, Manikandan P, Abdel-hadi A, Dukhyil AAB, Alaidarous M, **Banawas Saeed**, Alharbi RA, Aloyuni SA, Vágvölgyi C, Kredics L, Kocsubé S, Al-Malki ES, Vijayakumar R, Selvam KP, Shobana CS. **2020**. Corneal ulcer/keratitis derived *Aspergillus flavus* & *Aspergillus tamaris* and their RAPD-PCR typing. Journal of King Saud University - Science  
doi:<https://doi.org/10.1016/j.jksus.2020.02.019>.
34. Balakrishnan Sangeetha A, Abdel-hadi A, Hassan AS, Shobana CS, Suresh S, Abirami B, Selvam KP, Al-Baradie RS, **Banawas Saeed**, Alaidarous M, Alshehri B, Dukhyil AAB, Dhanasekaran S, Manikandan P. **2020**. Evaluation of in vitro activities of extracellular enzymes from *Aspergillus* species isolated from corneal ulcer/keratitis. Saudi Journal of Biological Sciences 27:701-705
35. Rub A, Shaker K, Kashif M, Arish M, Dukhyil A, Alshehri B, Alaidarous M, **Banawas Saeed**, Amir K. **2019**. Repurposing glyburide as antileishmanial agent to fight against leishmaniasis. Protein and peptide letters. 26 (5), 371-376.
36. Banawas Saeed. **2019**. Food Poisoning Knowledge, Attitudes and Practice of Students in Majmaah University. *Majmaah Journal of Health Sciences*. 7 (2), 1-13.
37. Palanisamy Manikandan, Ahmed Abdel-hadi, **Banawas Saeed**, Yendrembam Randhir Babu Singh, et al. **2019**, "Fungal Keratitis: Epidemiology, Rapid Detection, and Antifungal Susceptibilities



of Fusarium and Aspergillus Isolates from Corneal Scrapings,” BioMed Research International.2019.

- 38. Banawas Saeed**, Abdel-Hadi A, Alaidarous M, Alshehri B, Bin Dukhyil AA, Alsaweed M, Aboamer M. **2018**. Multidrug-Resistant Bacteria Associated with Cell Phones of Healthcare Professionals in Selected Hospitals in Saudi Arabia. Canadian Journal of Infectious Diseases and Medical Microbiology 2018:1-7.
- 39. Alnoman M, Banawas Saeed**, Sarker MR. **2018**. Bicarbonate is a Co-germinant for *Clostridium perfringens* type A Non-Food-Born Isolates. Food Microbiology. 69:64-71
- 40. Alanazi S, Banawas Saeed**, Alnoman M, Sarker MR. **2018**. The inhibitory effects of essential oil constituents against germination, outgrowth and vegetative growth of spores of *Clostridium perfringens* type A in laboratory medium and chicken meat. Food Microbiology.73:311-318.
- 41. Banawas Saeed. 2018. Clostridium difficile** infections: a global overview of drug sensitivity and resistance mechanisms. BioMed Research International. 2018:8414257.
- 42. Alaidarous M, Choudhary RK, Waly MI, Mir S, Bin Dukhyil A, Banawas Saeed**, et al.**2018**. The prevalence of transfusion-transmitted infections and nucleic acid testing among blood donors in Majmaah, Saudi Arabia. Journal of Infection and Public Health. DOI 10.1016/j.jiph.2018.04.008
- 43. Banawas Saeed and Sarker MR. 2018. L-lysine (pH 6.0) induces** germination of spores of *Clostridium perfringens* type F isolates carrying chromosomal or plasmid-borne enterotoxin gene. Microbial pathogenesis.123:227-232.
- 44. Mora-Uribe P, Miranda-Cárdenas C, Castro-Córdova P, Juan A.**

Fuentes, Paula I. Rodas, **Banawas Saeed**, Sarker MR and Paredes-Sabja, D. **2016**. Characterization of the Adherence of *Clostridium difficile* Spores: The Integrity of the Outermost Layer Affects Adherence Properties of Spores of the Epidemic Strain R20291 to Components of the Intestinal Mucosa. *Frontiers in Cellular and Infection Microbiology*. 6:99. doi:10.3389/fcimb.2016.00099.

- 45. Banawas Saeed**, Paredes-Sabja D, Setlow P, Sarker MR. **2016**. Characterization of germinants and their receptors for spores of non-food-borne *Clostridium perfringens* strain F4969. *Microbiology*. 162:1972-1983.
- 46.** Olguin-Araneda V, **Banawas Saeed**, Sarker MR, Paredes-Sabja D. **2015**. Recent advances in germination of *Clostridium* spores. *Research in Microbiology*. 166:236-243.
- 47. Banawas Saeed**, Korza G, Paredes-Sabja D, Li Y, Hao B, Setlow P, Sarker MR. **2015**. Location and stoichiometry of the protease CspB and the cortex-lytic enzyme SleC in *Clostridium perfringens* spores. *Food Microbiology*. 50:83-87.
- 48.** Udompijitkul P, Alnoman M, **Banawas Saeed**, Paredes-Sabja D, Sarker MR. **2014**. New amino acid germinants for spores of the nterotoxigenic *Clostridium perfringens* type A isolates. *Food Microbiology*. 44:24-33.
- 49. Banawas Saeed**, Paredes-Sabja D, Korza G, Li Y, Hao B, Setlow P, Sarker M. **2013**. The *Clostridium perfringens* germinant receptor protein, GerKC, is located in the spore inner membrane and is crucial for spore germination. *Journal of Bacteriology*. 105:5084-5091.

### **Academic & Scientific Committees:**

- [2020] member of Majmaah University Award for Scientific Excellence 2020.
- [2019] member of Majmaah University Award for Scientific Excellence 2019.
- [2019] member of Scientific committee in Medical Laboratories Department MDL.
- [2019-present] Vice-Director of Majmaah University for Research Ethics committee (MUREC).
- [2019-present] member of Scientific Research and Innovation Committee in Medical Laboratories Department MDL.
- [2018] member of Majmaah University Award for Scientific Excellence 2018.
- [2016-2018] Director, Research ethics committee in Deanship of Scientific research- Majmaah University-Saudi Arabia.
- [2016-2018] Coordinator, Department of Medical Laboratory (Majmaah University-Saudi Arabia).
- [2016-present] Member, Department of Medical Laboratory graduate unite committee - Majmaah University-Saudi Arabia.
- [2016-Present] member of Future youth researcher program- Majmaah University and Ministry of Education. Saudi Arabia.
- [2017-present] member of Majmaah University `s graduate students committee
- [2018-present] member of scientific committee at Department of Medical Laboratory-College of applied Science, Majmaah University.
- [2019] Director of College of Applied Medical Science `s initiative for improving significant research outputs
- [2019-present] member of scientific committee of Department of Laboratory Medical Science.

### **Conferences, symposiums, workshop:**

- [18<sup>th</sup> Nov. 2020] gave a workshop in “How to use Turnitin in your research”.
- [23<sup>rd</sup> Feb. 2020] gave a workshop in “How to publish in a high rank scientific ISI journals”.

- [19<sup>th</sup> Feb. 2020] gave a workshop in “How to protect your patent”.
- Attended and presented a poster titled “The Inhibitory Effects of Free Fatty Acids against Germination, Outgrowth and Vegetative Growth of Spores of *Clostridium perfringens*” in General Meeting of American Society for Microbiology (ASM Microbe 2019) from June 20<sup>th</sup> -24<sup>th</sup>, 2019 San Francisco, CA-USA.
- [18<sup>th</sup> February 2019] gave a workshop in “innovations and patents in Majmaah University”
- [20<sup>th</sup> November 2018] gave a workshop in “How to use EndNote?” at Majmaah University
- [8<sup>th</sup> November 2018] gave a workshop in “Scientific publication in Majmaah University” at Majmaah University
- Attended and presented a poster titled “L-lysine (pH 6.0) induces germination of spores of *Clostridium perfringens* type F isolates carrying chromosomal or plasmid-borne enterotoxin gene ” in General Meeting of American Society for Microbiology (ASM Microbe 2018) from June 7<sup>th</sup> -11<sup>th</sup>, 2018 Atlanta, GA-USA.
- [14<sup>th</sup> June 2018] gave a workshop at Graduate students of Applied Medical Sciences college at Majmaah-Saudi Arabia on “Grant for graduate program from KACST for 2018”.
- [6<sup>th</sup> Feb 2018] gave a workshop at Faculty of Applied Medical Sciences Majmaah-Saudi Arabia on “Grant programs from KACST for 2018”.
- [5<sup>th</sup> Feb 2018] gave a workshop at Faculty of Dentistry at Al Zulfi-Saudi Arabia on “Grant programs from KACST for 2018”.
- [4<sup>th</sup> Feb 2018] gave a workshop at College of Science and Human Studies at Hotat Sudair and Ghad-Saudi Arabia on “Grant programs from KACST for 2018”.
- [30 Jan 2018] gave a workshop at college of Science-Saudi Arabia on “Grant programs from KACST for 2018”.
- [28<sup>th</sup> Jan 2018] gave a workshop at college of Medicine-Saudi Arabia on “Grant programs from KACST for 2018”.
- [18<sup>th</sup> April 2017] gave a workshop at College of Computer Science - Majmaah University-Saudi Arabia. on “supporter programs from King Abdulaziz for Science and Technology (KACST) for 2016/2017”.

- [17<sup>th</sup> April 2017] gave a workshop at College of Engineering- Majmaah University-Saudi Arabia. on “supporter programs from KACST for 2016/2017”.
- [10<sup>th</sup> April 2017] gave a workshop at College of Science –Zulfi-Saudi Arabia on “supporter programs from KACST for 2016/2017”.
- [29<sup>th</sup> March 2017] gave a workshop at Majmaah University-Saudi Arabia on “supporter programs from KACST for 2016/2017”.
- [22<sup>nd</sup> March 2017] gave a workshop at KACST on “supporter programs for 2016/2017”.
- [16<sup>th</sup> March 2017] gave a workshop for graduate student from Majmaah University-Saudi Arabia “tips for a success graduate studies”.
- Attended and presented a poster in the 113<sup>th</sup> General Meeting of American Society for Microbiology (ASM 2013) from May 18<sup>st</sup> -21<sup>st</sup>, 2013 Denver, CO-USA.
- Attended and presented a poster in the 112<sup>th</sup> General Meeting of American Society for Microbiology (ASM 2012) from June 16<sup>th</sup> -19<sup>th</sup>, 2012 San Francisco, CA-USA.
- Presented a poster at Center for Genome Research and Biocomputing (CGRB) at Oregon state University. September, 2011.
- Attended and presented a poster in the 111<sup>th</sup> General Meeting of American Society for Microbiology (ASM 2011) from May 21<sup>st</sup> -24<sup>th</sup>, 2011 New Orleans, LA-USA.
- Attended the 110<sup>th</sup> General Meeting of American Society for Microbiology (ASM 2010) from May 23<sup>rd</sup> -27<sup>th</sup>, 2010 San Diego, CA-USA.
- Attended Microbiology poster session for the graduate students in 2008 – 2016.
- Attended Pathogenesis Research in Progress Seminar (PRIPS) at Oregon State University.
- Member at American Society for Microbiology (ASM) 2008-2016.
- Member at the Saudi club in Portland State University
- Member at the Saudi club in Oregon State University
- Manager for Hajj Pilgrims in charge of Passport of hajj pilgrims of Mali and Nigeria

### **Other Qualification:**

- Umm Al-Qura University extends recognition of the second honors to Saeed Banawas
- Three-month training in Medical Laboratory Technology at Basharahil Hospital, Mecca
- Six weeks training in industrial microbiology and quality control at Sunbulah food and fine pastries Mfg.co.ltd Jeddah
- Finish the English language as a second language in English language Institute in Oregon State University in the U.S from 2006-2007

### **Teaching Experience:**

- Research and Seminar MDL 475
- Applied Clinical Microbiology MDL 481
- Medical Terminology-Master program at Health and Hospital Administration MAH640
- Medical Terminology- CAM222
- Quality and Health in Hospitals- Master program at Nurse Department - NRS 640
- Major advisor of the student Ahmed Saad ALObaidi from the department of Medical laboratory - Master program Clinical Laboratory Science – Majmaah University with thesis title “Prevalence of Multidrug-Resistant microorganisms’ infection of healthcare-associated bloodstream infections at King Fahad Medical City in Riyadh, Saudi Arabia”.
- Major advisor of the student Mohammed Saleh Alshahrani from the department of Medical laboratory - Master program Clinical Laboratory Science Majmaah University with thesis title “Effect of COVID-19 on normal blood component and hemoglobin levels”

### **Personal Details:**

**Full Name:** Saeed Saleh Omer Banawas

**Date of Birth:** 18-12-1401 A.H. (16-10-1981 C.E)

**Place of Birth:** Makkah

**Nationality:** Saudi

**Languages:** Arabic & English