

# Curriculum Vitae



**Position/Designation: Dean**

**College: College of Arts and Sciences**

**University of Nizwa , Sultanate of Oman**

<b>Personal Information</b>
Name: Dr. Issa Sulaiman Al-Amri Marital Status: Married Email Address: : <a href="mailto:issa.alamri@unizwa.edu.om">issa.alamri@unizwa.edu.om</a> Contact Numbers: 25446678
<b>Academic Qualifications</b>
<ul style="list-style-type: none"><li>- PhD, Biological Sciences, University of Portsmouth, UK ,2012</li><li>- MSc, Biological Electron Microscopy, The University of Wales, Aberystwyth, UK ,2000</li><li>- BSc, Biomedical Sciences, Glasgow Caledonian University, UK,1994</li></ul>
<b>Teaching Activities, Current / Previous Experience</b>
<ul style="list-style-type: none"><li>- <b>Courses Taught at University of Nizwa (UoN)</b><ul style="list-style-type: none"><li>• Animal Histology BIOL 241 (Theory) and BIOL 241L (Practical) for BSc Biotechnology, College of Arts and Sciences from 2013 to date.</li></ul></li><li>- <b>Courses Taught at Sultan Qaboos University (SQU)</b><ul style="list-style-type: none"><li>• Advanced Instrumentation in Cellular Pathology PATH 5012 (Theory) and PATH 5012L (Practical) for BSc Medical Laboratory Sciences (MLS), College of Medicine and Health Sciences.</li><li>• Demonstrated diagnostic histology and electron microscopy in Pathology for Medical Degree Course (PATH 7004) and Health Sciences Degree Course (MDLS 4001).</li></ul></li><li>- <b>Curriculum Development</b><ul style="list-style-type: none"><li>• Developed BIOL 241 Animal Histology course.</li><li>• Developed BIOL 241L Animal Histology practical.</li><li>• Redesigned PATH 5012 Advanced Instrumentation in Cellular Pathology.</li><li>• Developed PATH 5012L Advanced Instrumentation in Cellular Pathology practical.</li></ul></li><li>- <b>Establishment of Specialised Applications Laboratories for Teaching and Research, SQU</b></li></ul>

**(US\$ 4,000,000.00)**

- Between 2002 and 2012, I established specialized applications laboratories at Electron Microscopy Unit, College of Medicine and Health Sciences, for teaching and research purposes. This included purchase of TEM and SEM microscopes and complete range of sample preparation equipment with a wide range of applications for medical, biological and material sciences.
- The ultrahigh resolution field emission scanning-transmission electron microscope (FESTEM) provided full range of applications up to the sub-nano level. This FESTEM attached with tomography, holography, electron energy loss spectroscopy and energy dispersive spectroscopy systems.
- Other high resolution electron microscope includes; digital TEM, low vacuum SEM with energy dispersive spectroscope which are used for general research, teaching and diagnostic work.
- This Unit served as centralized facility for SQU and Oman, being the only available facility at the time.
- **Academic Advising and Student Project Supervision**
  - Advisor to students at SQU &UoN.
  - Research Project in Biology course BIOL 455 – supervised over 50 final year projects (4 credits) for Biotechnology and Pharmacy degree courses.
  - Graduation project supervisor to over 20 projects for students at SQU.

**Research Activities**

(includes but not limited to research interests, conference attendance, conference presentations and publications, refereed journal, articles ,books, ect.)

- **Research interests:**My main research interest is focused on reproductive biology, physiology and endocrinology, histology, electron microscopy and microanalysis.
  - a. Cancer biology with emphasis on tumour microenvironment, drug delivery and therapy.
  - b. Biology of vertebrates with emphasis on reproductive endocrinology and the functional ultrastructural changes in the steroidogenic tissues.
  - c. Nanomaterial characterization techniques and nanobiology.
- **Research Projects (Grants received = US\$ 1,892,000.00)**
  1. Conducted large number of research projects for SQU between 2000 and 2012. Most of these projects were based on collaboration between EM Unit and Departments from Colleges of Medicine, Science, Engineering, Agriculture, and SQUH and resulted in over 55 publications.
  2. TRC Research Project No. ORG/HSS/12/004 (2012) entitled: “Design and In-Vitro Evaluation of a Colon Targeted Controlled Release Nano Prodrug of Budesonide using Phase Transited Asymmetric Membrane Capsule”. Grant budget **US\$ 140,500.**
  3. UoN Research Project No. A/12-13-UoN/DARIS/IF (2013) entitled: “The Effect of incubation temperature on sex determination in relation to reproductive steroid levels, progesterone receptors and gonadal ultrastructural steroidogenic features in embryos and post hatchings of the green turtle, *Chelonamydas*, Oman” Grant budget: **US\$ 34,500.**
  4. TRC Project ORG/EBR/15/007 (2016). Genomic, Transcriptomic and Proteomic Mechanisms involved in Resin Production from endemic *Boswellia sacra* Tree, Grant budget **US\$**

**512,500.**

5. TRC Project ORG/HSS/15/006 (2016). Use of fatal membrane stromal cells for the prevention of graft versus host disease after stem cell transplantation, Grant Budget **US\$ 673,500.**
6. Joint Co-Funding Collaboration between University of Nizwa and Qatar University (2016). Use of patient-specific induced pluripotent stem cells (iPSCs) to study stroke in Qatar and GCC countries. Research Budget **US\$ 420,000.**
7. UoN Research Project No. A/16-17-UoN/11/DARIS/IF (2017) entitled: "Identification of Protein Biomarkers in Halal Meat Using Proteomics: A Preliminary Study. Research Budget **US\$ 13,500.**
8. UoN Research Project No. A/16-17-UoN/06/Chair/IF (2017) entitled: "Venomics and Transcriptomics Studies of Omani Snake Venoms. Research Budget **US\$ 13,500.**
9. TRC URG Research Proposal (2018) "**Light and electron microscopic evaluation of ovarian surface epithelium following treatment with conjugated estrogens in mouse model**". Research Budget **US\$ 6,240.**
10. TRC URG Research Proposal (2018) "Effects of tobacco products on cerebellum neurochemical changes at critical developmental stages". Research Budget **US\$ 6,240.**
11. TRC URG Research Proposal (2018) "Nutritional Challenges and Health Implications of Trans-Fat in Fast Food Sold in Oman". Research Budget **US\$ 6,240.**
12. UoN FYP Research Proposal (2018) "Antitumor effect of frankincense extract in mice bearing breast cancer, and metastasis to the kidney, liver and spleen". Research Budget **US\$ 15,600.**
13. UoN FYP Research Proposal (2018) "Application of robust Infrared reflectance spectroscopies (FTIR-ATR, FTNIR) coupled with multivariate methods for discrimination in between Halal & and Non-Halal meats". Research Budget **US\$ 3,900.**
14. UoN FYP Research Proposal (2018) "Effect of Halal slaughter on microbial count and histological structure of the goat's longissimus thoracic muscle". Research Budget **US\$ 3,900.**
15. TRC GRG Research Proposal (2019) "Determination of nitrosamines in salted-dry fish and risk of gastric cancer in Oman". Research Budget **US\$ 7,800.**
16. UoN FYP Research Proposal (2019) "Effect of Halal Slaughter on histological structure of the goats longissimus thoracic muscle" Research Budget **US\$ 3,900.**
17. TRC URG Research Proposal (2019) "Determination of Organochlorine Pesticide Residues in Meat Products and Meat of Different Species which threaten human health available in Omani markets". Research Budget **US\$ 3,900.**
18. UoN FYP Research Proposal (2019) "Microscopic Evaluation of the Effect of 11- Keto-<beta>- Boswellic Acid and 5-Chloro-8-Hydroxyquinoline on the liver, heart and spleen of diabetic mice". Research Budget **US\$ 11,700.**
19. TRC URG Research Proposal (2019) "Application of reflectance spectroscopies (FTIR-ATR & NIR) as a tool for robust detection and quantification of adulteration in Saffron Samples". Research Budget **US\$ 3,900.**
20. UoN FYP Research Proposal (2019) "Applications of reflectance spectroscopies (FTIR-ATR & NIR) as a tool for robust detection & quantification of pork gelatin adulteration in other processed food samples". Research Budget **US\$ 3,900.**
21. UoN FYP Research Proposal (2019) "Effect of Halal Slaughter on Meat Quality Characteristics of Goat". Research Budget **US\$ 3,900.**
22. UoN FYP Research Proposal (2019) "Light and Electron microscopic evaluation of fallopian tube epithelium following treatment with conjugated estrogens in mouse model". Research

Budget **US\$ 3,900.**

23. UoN FYP Research Proposal (2019) "Microscopic examination of breast tissue following treatment with conjugated estrogens in mouse model". Research Budget **US\$ 3,900.**
24. TRC GRG Research Proposal (2019) Determination of heavy metals (mercury, lead, etc.) residues in fish products which threaten human health sold in Omani markets". Research Budget **US\$ 7,800.**
25. TRC RG Research Proposal (2019) Boswellic acid effects on Growth and Metastasis of Human Ovarian Cancer through Modulation of Inflammatory, Proliferative, Invasive, and Angiogenic Targets. (submitted).
26. In preparation research proposal entitled "Exploration of new Acetyl 11-Keto- $\beta$  Boswellic acid (AKBA) Derivatives as Tumor sensitizing agents".

- **Research Project Supervisor:** Supervised 4 research projects for the Centre of.
  - Defence Studies, Ministry of Defence between 2014 – 2019.

- **Peer Reviewer for Scientific Journals**

- Journal of Biomedical Materials Research: Part A
- Enlisted in Publons Peer Review: (<https://publons.com/researcher/1668260/issa-al-amri/>)

**conference attendance:**

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**publications:**

- **Papers in Refereed Journals (59 publication)**

1. FatemehJamshidi-Adegani, SaeidVakilian, Juhaina Al-Kindi, ShahlaAlghatrifi, Ghadeer Al-Sulaimi, Zamzam Al-Tubi, Muhammad U. Anwar, Nasar Al-Wahaibi, AsemShalaby, Khamis Al-Riyami, **Al-Amri I.S.**, Hamad Al-Riyami, Ahmed Al-Harrasi and Sulaiman Al-Hashmi(2019). Prevention of Postoperative Adhesion Bands by Alkali-treated Cellulosic Luffa Fibers. *Journal of Natural Fibers*. <https://doi.org/10.1080/15440478.2019.1636743>. Available online 17 Jul 2019.
2. SaeidVakilian, FatemehJamshidi-adevani, Sulaiman Al-Shidhani, Muhammad U. Anwar, Rashid Al-Harrasi, Nasar Al-Wahaibi, AsimQureshi, Sausan Al-Yaqoobi, **Al-Amri I.S.**, Ahmed Al-Harrasi, Sulaiman Al-Hashmi (2019). A Keratin-based biomaterial as a promising dresser for skin wound healing. *Wound Medicine*. Available online 26 April 2019, 100155.
3. AntonellaRaffo Romero, Tanina Arab, **Al-Amri I.S.**, Françoise Le Marrec-Croq, Christelle Van Camp, Quentin Lemaire, Michel Salzet, Jacopo Vizioli, Pierre-Eric Sautiere, Christophe Lefebvre (2018). Medicinal leech CNS as a model for exosome studies in the crosstalk between microglia and neurons. *International Journal of Molecular Sciences*, 2018, 19, 4124; doi:10.3390/ijms19124124, Pages 1-20.
4. Ahmed Al-Harrasi, Najeeb Ur Rehman, Abdul Latif Khan, Muhammed Al-Broumi, **Al-Amri I.S.**, JavidHussain, HidayatHussain, René Csuk (2018). Chemical, molecular and structural studies of Boswellia species:  $\beta$ -Boswellic Aldehyde and 3-epi-11 $\beta$ -Dihydroxy BA as precursors in biosynthesis of boswellic acids. *PLoS one*. 13(6) e0198666, 18/6/2018.
5. Isam T. Kadim **Al-Amri, I.S.**, Abdulaziz Y. AlKindi, and MsafiriMbagha (2018). Camel Meat Production and Quality: A review. *Journal of Camel Practice and Research*, vol 25 no 1, p 9-23, April 2018.
6. Raiymbek, G., Kadim, I.T., **Al-Amri I.S.**, Abdulaziz Y. AlKindi, Faye, B., S.K. Khalafand Purchas, R.W. (2018). Concentrations of nutrients in six muscles of Bactrian (*Camelusbacterianus*) camels. *Journal of Camel Practice and Research*, vol 25 no 1, p 109-121, April 2018.
7. Abdul Latif Khan, Saqib Bilal, Boshra Ahmed Halo, Ahmed Al-Harrasi, Abdur Rahim Khan,

- Muhammad Waqas, GhanimSalim Al-Thani, **Al-Amri I.S.**, Ahmed Al-Rawahi, In-Jung Lee (2017). *Bacillus amyloliquefaciens* BSL16 improves phytoremediation potential of *Solanum lycopersicum* during copper stress. *Journal of Plant Interactions*, **V12** (1) 550–559.
8. Mohammad ShafiurRahman, Abdullah Al-Mamun, and **Al-Amri, I.S.** (2017). Characteristics of Pores as Measured by Porosimetry and Microscopy Considering Spaghetti as a Model System. *International Journal of Food Engineering*. **V13**(8).
  9. Raees, M.A, [Hussain](#), H., Ur Rehman, N., Yar Khan, H., [Abbas](#), G., Al-Rawahi, A.K., [Elyassi](#), A., **Al-Amri, I.S.**, [Green](#), I.R., Mahmood, T., Al-Harrasi, A.S. (2015). Desmiflavasides A and B: Two new bioactive pregnane glycosides from the sap of *Desmidorchisflava*. *Phytochemistry Letters*, **12**: 153–157.
  10. Mahmoud, I.Y., Al-Bahry, S.N., Al-Musharafi, S.K. and **Al-Amri, I.S.** (2015). Nesting Strategy in the Green Turtle, *Chelonia Mydas*, during High and Low Nesting Peaks at Ras Al-Hadd, Oman, *IPCBE E Procedia, Volume 87*. DOI: 10.7763/IPCBE E. 2015. **V87**. 15
  11. Suresh, S., Guizani, N., Al-Ruzeiki, M., Al-Hadhrami, A., Al-Dohani, H., **Al-Amri, I.S.**, Shafiur, R.M. (2014) Corrigendum to “Thermal characteristics, chemical composition and polyphenol contents of date-pits powder. *J. Food Eng.*, **119**(3): 668–679.
  12. **Al-Amri, I.S.**, Mahmoud, I.Y., Waring, C.P., Alkindi, A.Y., Khan, T., Bakheit, C., Al-Mawali, K.M (2013). The reproductive cycle of the male house gecko, *Hemidactylus flaviviridis*, in relation to plasma steroid concentrations, progesterone receptors, and steroidogenic ultrastructural features, in Oman. *General and Comparative Endocrinology*, **187**: 23–31. (Ranked 8/20 from top articles in BioMedUpdater.com)
  13. Shabbir, S., Zulfiqar, S., **Al-Amri, I.S.**, Sarwar, M.I. (2013). Enhancement of thermal stability, processability and morphology of polystyrene blends. *Thermochimica Acta* **537**: 213-219.
  14. Saleh, J., Rabab, R.A., Farhan, H., **Al-Amri, I.S.**, and Cianflone, K. (2013) Plasma levels of acylation-stimulating protein are strongly predicted by waist/hip ratio and correlate with decreased LDL size in men. *ISRN Obesity*, **2013**: 1-6.
  15. Suresh, S., Guizani, N., Al-Ruzeiki, M., Al-Hadhrami, A., Al-Dohani, H., **Al-Amri, I.S.**, and Shafiur, R.M. (2013) Thermal characteristics, chemical composition and polyphenol contents of date-pits powder. *Journal of Food Engineering*, **119**(3): 668–679.
  16. Revathy, K.P., Al-Harhi, S.H., Al-Hinai, A.T., Elzain, M., George, A.K, Unnikrishnan, N.V, **Al-Amri, I.S.**, and Myint, M.T.Z. (2013) Pattern formation of gold-PVA nanomix spin coated on different substrates. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **417**: 73–82.
  17. Issa S Al-Amri (2012). Reproductive cycle of the house gecko, *Hemidactylus flaviviridis*, in Oman in relation to morphological and ultrastructural changes and plasma steroid concentrations with reference to localisation of progesterone receptors. University of Portsmouth, UK pp.375
  18. **Al-Amri, I.S.**, Mahmoud, I.Y., Waring, C.P., Alkindi, A.Y., Khan, T., Bakheit, C. (2012). Seasonal changes in plasma steroid levels in relation to ovarian steroidogenic ultrastructural features and progesterone receptors in the house gecko, *Hemidactylus flaviviridis*, in Oman. *General and Comparative Endocrinology*, **177**: 46–54.
  19. Nemmar, A., Zia, S., Subramaniyan, D., **Al-Amri, I.S.**, Al Kindi, M.A. and Badreldin, H.A (2012). Interaction of diesel exhaust particles with human, rat and mouse erythrocytes in vitro. *Cell Physiol Biochem*, **29**: 163-170.
  20. Karthikeyan, A., Rameshkumar, R., Sivakumar, N., **Al-Amri, I.S.**, Karutha Pandian, S., Ramesh, M. (2012). Antibiofilm activity of *Dendrophthoe falcata* against different bacterial pathogens. *Planta Med*, **78**(18): 1918-1926.
  21. Al-Bahry, S.N., Mahmoud, I.Y., Melghit, K., and **Al-Amri, I.S.** (2011). Analysis of elemental composition of the eggshell before and after incubation in the loggerhead turtle (*Caretta caretta*) in Oman. *Microscopy and Microanalysis*, **17**(3): 452-60. (Ranked 2/10 from top articles in

*BioMedLib*).

22. Nemmar, A., Melghit, K., Al-Salam, S., Dhanasekaran, S., Yasin, J., Attoub, S., **Al-Amri, I.S.**, and Badreldin, A. (2011). Acute respiratory and systemic toxicity of pulmonary exposure to doped TiO<sub>2</sub>. *Toxicology*, **279**: 167 – 175.
23. Al-Harhi, S.H., Al-Barwani, M., Elzain, M., Al-Hinai, A.T., Al-Naamani, N., **Al-Amri, I.S.**, and Hysen, T. (2011). Self-assembly of CuSO<sub>4</sub> nanoparticles and bending multi-wall carbon nanotubes on few-layer graphene surfaces. *Appl Phys A*, **105**: 469–477.
24. Sharbati, A., Choopani, S., Ghasemi, A., **Al-Amri, I.S.**, Cerqueira Machado, C.F., and Paesano Jr., A. (2011). Synthesis and magnetic properties of nanocrystalline Ba<sub>3</sub>Co<sub>2(0.8-x)</sub>Mn<sub>0.4</sub>Ni<sub>2x</sub>Fe<sub>24</sub>O<sub>41</sub> prepared by citrate sol-gel method. *Digest Journal of Nanomaterials and Biostructures*, **6(1)**: 187 – 198.
25. Mahgoub, O., Kadim, I.T., Al-Dhahab, A.A., Bello, R.B., **Al-Amri, I.S.**, Ambu Ali, A.A., and Khalaf, S.K. (2010). An assessment of Omani native sheep fiber production and quality characteristics. *Agricultural and Marine Sciences*, **15**: 9-14.
26. Kadim, I.T. Mahgoub, O., Al-Marzooqi, W., Khalaf, S., Al-Sinawi, S.S.H. and **Al-Amri, I.S.** (2010). Effects of transportation during the hot season, breed and electrical stimulation on histochemical and meat quality characteristics of goat longissimus muscle. *Animal Science Journal*, **81**: 352-361.
27. Elhadi, Z.M., Melghit, K., **Al-Amri, I.S.**, and Al-Kindi, M.A. (2010). Soft chemistry preparation of layered Al<sub>0.3</sub>V<sub>2</sub>O<sub>5</sub>·5H<sub>2</sub>O. *Ceramics International*, **36**: 807–809.
28. Al-Harhi, S., Al-Saadi, M., Al-Omari, I., Sitepu, H., Melghit, K., **Al-Amri, I.S.**, Al-Hinai, A.T., and Thomas, S. (2010). Structural analysis and band gap tailoring of Fe<sup>3+</sup>-doped Zn–TiO<sub>2</sub> nanoparticles. *Applied Physics A*, **99(1)**: 237-244.
29. Al-Bahry, S.N., Mahmoud, I.Y., **Al-Amri, I.S.**, Ba-Omar, T.A., Melgheit, K.O., and Al-Kindi, A.Y. (2009). Ultrastructural features and elemental distribution in eggshell during pre and post hatching periods in the green turtle, *Cheloniemydas* Ras Al-Hadd, Oman. *Tissue and Cell*, **41(3)**: 214-21. (*Ranked 1/10 from top articles in BioMedLib*)
30. Kadim, I.T., Mahgoub, O., Al-Marzooqi, W., Khalaf, S., Al-Sinawi, S.S., and **Al-Amri, I.S.** (2009). Effects of transportation during the hot season and low voltage electrical stimulation on histochemical and meat quality characteristics of sheep *longissimus* muscle. *Livestock Science*, **126**: 154–161.
31. Mothershaw, A.S., Gaffer, T., Kadim, I., Guizani, N., **Al-Amri, I.S.**, Mahgoub, O., and Al-Bahry, S. (2009). Quality characteristics of broiler chicken meat on salt at different temperatures. *International Journal of Food Properties* **12(3)**: 681 – 690.
32. Al-Bahry, S., Mahmoud, I., Elshafie, A., Al-Harthy, A., Al-Ghafri, S., **Al-Amri, I.S.** and Alkindi, A.Y. (2009). Bacterial flora and antibiotic resistance from eggs of green turtles *Cheloniemydas*: An indication of polluted effluents. *Marine Pollution Bulletin*, **58**: 720–725. (*Ranked 1/10 from top articles in BioMedLib*)
33. Kadim, I.T., Mahgoub, O., Al-Marzooqi, W., Khalaf, S.K., Mansour, M.H., Al-Sinani, S.S., and **Al-Amri, I.S.** (2009). Effects of electrical stimulation on histochemical muscle fiber staining, quality, and composition of camel and cattle *Longissimusthoracis* Muscles. *Journal of Food Science*, **74(1)**: S44-S52.
34. Melghit, K., Al-Shukeili, O.S., and **Al-Amri, I.S.** (2009). Effect of M-doping (M = Fe, V) on the photocatalytic activity of nanorod rutile TiO<sub>2</sub> for Congo red degradation under the sunlight. *Ceramics international*, **35(1)**: 433-439.
35. Jibril, B. Al-Maamari, R.S. and **Al-Amri, I.S.** (2009). Effects of potassium distributions in carbonizations of bituminous coal. *Journal of Analytical and Applied Pyrolysis*, **85(1-2)**: 529-533.
36. Kadim, I.T., Al-Hosni, Y., Mahgoub, O., Al-Marzooqi, W., Khalaf, S.K., Al-Maqbaly, R.S., Al-Sinawi, S.S., and **Al-Amri, I.S.** (2009). Effect of low voltage electrical stimulation on post mortem

- biochemical and quality characteristics of Longissimusthoracis muscle from one-humped camel (*Camelus dromedaries*). *Meat Science*, **82**: 77-85.
37. Ba-Omar, T.A., and **Al-Amri, I.S.** (2008). Scanning electron microscopic study of the *Aphaniusdispar*(Rüppell 1828) (Pisces: Cyprinodontidae) Gills. *MicroscMicroanal*,**14** (Suppl 2): 1452 – 1453.
  38. Mahgoub, O., Kadim, I.T., Tageldin, M.H, Al-Marzookqi, W.S., Khalaf, S., Ambu Ali, A., and **Al-Amri, I.S.** (2008). Pathological features in sheep fed rations containing phenols and condensed tannins. *Journal of Animal and Veterinary Advances*, **7**: 1105-1109.
  39. Alkindi, A.Y.A., Mahmoud, I.Y, Al-Omairi, R., Al-Bahry, S.N., **Al-Amri, I.S.** and Khan, T. (2008). Temperature variations in relation to sex determination and plasma progesterone and estradiol levels during embryogenesis and post hatching in the green turtle, *Cheloniamydas*, at Ras Al-Hadd Reserve, Oman. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology*, **151**: S46.
  40. Melghit, K., Al-Rabaniah, S.S., and **Al-Amri, I.S.** (2008). Low temperature preparation and characterization of nanospherical anatase TiO<sub>2</sub> and its photocatalytic activity on Congo red degradation under sunlight. *Ceramics International*,**34**: 479–483.
  41. Melghit, K., and **Al-Amri, I.S.** (2008). Free templating aqueous method for preparing nanowires *MxV2O5+énH2O (M=Mg Mn)*. *Solid State Science*, **10(5)**: 607-611.
  42. Sablani, S.S., Rahman, M.S., Al-Kuseibi, M.K., Al-Habsi, N.A., Al-Belushi, R.H., Al-Marhubi, I., and **Al-Amri, I.S.** (2007). Influence of shelf temperature on pore formation in garlic freeze-drying. *Journal of Food Engineering*, **80**: 68-79.
  43. Nemmar, A., Al-Maskari, S., Badreldin, H.A., and **Al-Amri, I.S.** (2007). Cardiovascular and lung inflammatory effects induced by systemically administered diesel exhaust particles in rats. *Am J Physiol Lung Cell MolPhysiol*, **292**: 664–670.
  44. Al-Mueini, R., Al-Dalali, M., **Al-Amri, I.S.**, and Patzelt, H. (2007). Hydrocarbon degradation at high salinity by a novel extremely halophilic actinomycete. *Environ. Chem.*, **4**: 5–7.
  45. Kasapis, S., Sablani, S.S., Shafiur, R.M., Al-Marhoobi, I.M., and **Al-Amri, I.S.**(2007). Porosity and the effect of structural changes on the mechanical glass transition temperature, *J. Agric. Food Chem.*, **55**: 2459- 2466.
  46. Melghit, K., Al-Belushi, A.K., and **Al-Amri, I.S.** (2007). Short reaction time preparation of zinc pyrovanadate at normal pressure. *Ceramics International*, **33**: 285–288.
  47. Ibrahim, F.S., Rana, K.J, Goddard, J.S., and **Al-Amri, I.S.** (2006). Morphological development of post hatched larval goldlined Seabream *Rhabdosargus sarba*. *Aquaculture Research*,**37**: 1156-1164.
  48. Al-Siyabi, S., **Al-Amri, I.S.** and Ba-Omar, T. (2006). A Comparative study of two procedures of tissue processing for TEM: with and without the use of propylene oxide. *Microscopy & Microanalysis*, **12** (Supp 2): 254 – 255.
  49. Tageldin, M.H., Johnson, E.H., **Al-Amri, I.S.** and Ambu-Ali, A.S.(2006). cutaneous tumour-like lesions associated with poxvirus infection in laughing doves (*Streptopelia senegalensis senegalensis*). *Journal of Avian Medicine and Surgery*, **20(2)**: 94-96.
  50. Melghit, K., Al-Rubaei, M.S., and **Al-Amri, I.S.** (2006). Photodegradation enhancement of Congo red aqueous solution using mixture of SnO<sub>2</sub> xH<sub>2</sub>O gel/ZnO powder. *Journal of Photochemistry and Photobiology A: Chemistry*, **181**: 137-141.
  51. Al Adawi, A.O., Deadman, M.L., Al Rawahi, A.K., Al Maqbali, Y.M., **Al-Amri, I.S.**, and Wingfield, M.J. (2006). Aetiology and causal agents of mango sudden decline disease in the Sultanate of Oman. *European Journal of Plant Pathology*,**116**: 247-254.
  52. **Al-Amri, I.S.**, Al-Adawi, K.M., Al-Marhoobi, I.M. and Kasapis, S (2005). Direct imaging of the changing polysaccharide network at high levels of co-solute. *Carbohydrate Polymers*, **61**:379-382.
  53. Ba-Omar, T.A., **Al-Amri, I.S.**, and Clayton, D.A. (2005). A Preliminary electron microscopic



investigation of the compound eye of the ghost crab, *Ocypodeplatytarsus*. *MicroscMicroanal*, **11**(Suppl 2): 1200 – 1201.

54. Melghit, K., Mohammed, A.K., and **Al-Amri, I.S.** (2005). Chimiedouce preparation, characterization and photocatalytic activity of nanocrystalline SnO<sub>2</sub>. *Materials Sci. & Engineering*, **B117**: 302-306.
55. Elshafie, A.E., Ba-Omar, T., Al-Bahry, S.N., Mahmoud, I.Y., AlKindi, A.Y., and **Al-Amri, I.S.** (2004). Localization of fungal hyphae in the eggshells of green sea turtle, *Cheloniemydas*, from Ras Al-Hadd Reserve, Oman. *Microscopy and Microanalysis*, **10** (Suppl. S02): 1536-1537.
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61. Isam T. Kadim, QuaziMohd. ImranulHaq, **Al-Amri I.S.**, Abdulaziz Y. AlKindi (2019). Meat Postharvest, Storage and Safety. (In-Press)
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71. **Al-Amri, I.S.**, Mahmoud, I.Y., AlKindi, A.Y., Khan, T., Al Rawahi, S., Al Kindi, M.A., and Al Riyami, K.O. (2014). Fluctuation in plasma steroid levels and progesterone receptor expression in relation to the development of the ultrastructural steroidogenic features in Sertoli and Leydig cells in *H. flaviviridis* in Oman. The 3<sup>rd</sup> International Laboratory Technology Conference & Exhibition (Lab-Tech 2014), Bahrain (28–30 October 2014).
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  82. Kadim, I.T., Mahgoub, O., Al-Marzooqi, W., Khalaf, S., Al-Sinawi, S.S.H., **Al-Amri, I.S.** and Al-Maqbaly, R.S. (2008). Effect of transportation on muscle fiber properties and meat quality characteristics of Omani goats. 9th International Conference on Goats. Mexico, August 31-Sept.
  83. Kadim, I.T., Mahgoub, O., Al-Marzooqi, W., Khalaf, S.K., Al-Sinawi, S.S.H., Al-Lawati, S.M. and **Al-Amri, I.S.** (2008). Effect of transportation and low voltage electrical stimulation on meat quality characteristics of local sheep longissimusdorsi. Small Ruminant Production and Health in Arid and Semi-Arid Regions International Conference, 26-28 January, Muscat, Sultanate of Oman.
  84. Mahmoud, I.Y., Al-Bahry, S.N., **Al-Amri, I.S.**, Al-Kindi, A.Y.A., Elshafie, E., S.S. Al-Siyabi. (2006). Ultrastructural changes of the eggshells before and after hatching in the green turtle, *CheloniaMydas* at Ras Al-Hadd, Oman. 26th International Symposium for Sea Turtles. Crete, Greece.
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  86. AlKindi, A.Y.A., Mahmoud, I.Y., Al-Bahry, S.N., Elshafie, A.E., **Al-Amri, I.S.** and Al-Siyabi, S. (2006). Detection of heavy metals and some elements in the eggs of the green turtles (*Cheloniemydas*) at Ras Al-Hadd, Oman. Marine Conservation Forum, Abu Dhabi, U.A.E.
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#### Faculty Administrative Experience

- **Dean, College of Arts and Sciences, University of Nizwa (2019 – Present)**
  - College of Arts and Sciences (CAS) consists of 5 departments: Biological Sciences and

Chemistry, Mathematical and Physical Sciences, Education and Cultural Studies, Arabic Language, and Foreign Languages.

- The college run programs for Diploma, Bachelor, Higher Diploma and Master degree programs.
  
- **Assistant Dean, Deanship of Graduate Studies, University of Nizwa (2017-2019)**
  - Deanship of Graduate Studies operates under Vice-Chancellor for Graduate Studies, Research and External Relations.
  - College Assistant Deans for Graduate Studies coordinate with the Deanship of Graduate Studies for all postgraduate affairs.
  
- **University of Nizwa Administrative Duties:**
  - Member, University Executive Board (2019 – Present)
  - Member, Executive Board for Academic Affairs (2019 – Present)
  - Member, University Research Council (2012–Present)
  - Chair, College of Arts and Sciences (CAS) Executive Board (2019 – Present)
  - Chair, CAS Board (2019 – Present)
  - Chair, CAS Recruitment Committee (2019 – Present)
  - Chair, CAS Task Force on Quality Assurance and Accreditation (2019 – Present)
  - Chair, CAS e-Learning Committee (2019 – Present)
  - Member, University Research Board (2013–2019)
  - Member and Convener, DARIS Centre Committee (2013–2019)
  - Member, Research Committee (2013–2019)
  - Member, Ethics Committee (2018 – 2019)
  - Member, Biosafety Committee (2018 – 2019)
  - Member, Technical Committee for LabTech 2017 Conference, Doha, Qatar.
  - Member of the Technical Committee for First International Conference on Frankincense and Medicinal Plant: Recent Advances in Research and Industry, 2018, Muscat, Oman.
  
- **Sultan Qaboos University Administrative Duties:**
  - Member, Strategic Committee for Human Resource Development, SQU (2011–2012).
  - Member, Biomedical Scientists Committee CoM&HS (2009–2012).
  - Member, committee for purchase of equipment – CoM&HS (2009–2010).
  - Member of committee for equipment purchase and supply (2000–2010).
  - Department Safety and Security Officer, and member of the Safety & Security Committee, CoM&HS (2000–2010).
  - Representative of Biomedical Scientists at CoM&HS and SQUH (1994–1998).

#### Community Services

I have organized workshops, training courses and seminars as part of the community services, these include:

- 4 Scientific workshops and training courses at College of Medicine and Health Sciences, SQU between 2003-2008.
- 114 Scientific workshops, training courses and seminars at DARIS Research Center, UoN between 2012 - 2019.
- Example of activities:

- Advanced Food Mycology 5-Day Short Training Course. Course trainers; Prof. NareshMagan, Dr. Angel Medina from Cranfield University, Bedfordshire, UK, and Dr. Ali Elyassi from DARIS Center. Seminar held on Mar. 6-10, 2016 and Mar. 26-30, 2017 at DARIS Research Center, UoN.
- Food Mycology 5-Day Short Training Course. Course trainers; Prof. NareshMagan, Dr. Angel Medina from Cranfield University, Bedfordshire, UK, and Dr. Ali Elyassi from DARIS Center. Seminar held on Feb. 22-26, 2015 at DARIS Research Center, UoN.
- Role of Omega-3 Fatty Acids in Brain and their Signaling Mechanisms. Speaker, Dr. Mohammed Akbar, Molecular Pharmacology and Toxicology, National Institutes of Health, Maryland, USA. Seminar held on Nov. 11, 2014 at DARIS Research Center, UoN.
- LCMSMS – Liquid Chromatography Mass Spectrometry (The Technology and Applications). Speaker Mr. Alek Dooley (AB Sciex). Seminar held on May 19, 2014 at DARIS Research Center, UoN.
- In Situ Measurements of Soil-Plant Water Relations in Arid Lands: Theoretical and Practical Training Workshop. Speaker Dr. Ghazi Abu Rumman (ICT International, Australia). Seminar held on April 21, 2014 at DARIS Research Center, UoN.
- Nanobiology Research Avenues and Applications. Speaker Professor MuraleedharanDamodaran, University of Kerala, Trivandrum, India. Seminar held on Feb. 19, 2014 at DARIS Research Center, UoN.
- *Mycology and Biotechnology Applications*. Speaker Prof. NareshMagan (Cranfield Soil and AgriFood Institute, Cranfield University, U.K.). Six Seminars held on Feb. 3&4, 2014 at DARIS Research Center, UoN.
- Health, Safety and Environment Awareness Workshop. Speakers; Dr. George Wilson Kauka, Raymond J. Petersen, Mahmoud Humaid Al-Sarmi, and Younis Al-Hinai. Held on Jan. 14&15, 2014 at DARIS Research Center, UoN.
- Microbial identification for the 21<sup>st</sup> Century, Introduction of the MALDI Biotyper. Speaker Robert Sadolin, BrukerDaltonics. Seminar held on May 6, 2013 at DARIS Research Center, UoN.
- Applications of Nuclear Magnetic Resonance (NMR). Speaker Dr. KatsuoAsakura, Department of Research and Development, Jeol. Seminar held on Jan. 27, 2013 at DARIS Research Center, UoN.
- Nanotechnology Applications in Medical, Biological and Environmental Applications. Speaker Prof. JoydeepDutta, Chair in Nanotechnology, SQU. Seminar held on Dec.15, 2012 at DARIS Research Center, UoN.
- New Technique in TEM: Solving unknown Nanostructures by Precession Electron Diffraction. Speaker Dr. Stavros Nicolopoulos, University of Madrid. Seminar held on March 18, 2008 at College of Medicine & Health Sciences, SQU.
- Focused Ion Beam Technology and Diagnostic Electron Microscopy. Speaker Dr. HingHiangLian from National University of Malaysia. Held on Oct. 9, 2004 at the College of Medicine & Health Sciences, SQU.
- Oman's First Electron Microscopy Workshop. Held on March 6–9, 2004 at College of Medicine and Health Sciences, SQU.
- Specimen Preparation Techniques. Speaker Mr. Andreas Nowak from Leica Microsystems, Austria. Seminar held on Dec. 16, 2003 at the College of Medicine & Health Sciences, SQU.

#### Consultancy Activities

## Membership in Professional Bodies

### - **University of Nizwa Administrative Duties:**

- Member, University Executive Board (2019 – Present)
- Member, Executive Board for Academic Affairs (2019 – Present)
- Member, University Research Council (2012–Present)
- Chair, College of Arts and Sciences (CAS) Executive Board (2019 – Present)
- Chair, CAS Board (2019 – Present)
- Chair, CAS Recruitment Committee (2019 – Present)
- Chair, CAS Task Force on Quality Assurance and Accreditation (2019 – Present)
- Chair, CAS e-Learning Committee (2019 – Present)
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- Member, Research Committee (2013–2019)
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## Awards and recognitions