



## Dr. Quazi Mohammad Imranul Haq

Associate Professor

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Time at UoN: Since 2012

Marital Status: Married..

He was awarded Ph.D. in Biotechnology in 2009 from Jamia Millia Islamia, New Delhi, India (research work carried out at IARI, New Delhi). He has ten (10) years of teaching and sixteen (16) years of research experience in the field of Biotechnology, Microbiology (Plant Molecular Virology) and Molecular Biology. He has post-doc fellowship from The Catholic University of Korea, Seoul, South Korea; Sultan Qaboos University, Oman; International Centre for Genetic Engineering and Biotechnology ICGEB, New Delhi, India, and worked as Visiting Research Scientist at University of Arizona, USA. He has published several research papers in different peer reviewed journals.

### **Academic Qualifications**

Ph.D. in Biotechnology (Plant Molecular Virology), Jamia Millia Islamia (A Central University), New Delhi, India (research work carried out at IARI, New Delhi, India)., 2019, Studies on the role of pre-coat protein gene (ORF AV2) and coat Protein gene (ORF AV1) of Mungbean Yellow Mosaic India Virus (MYMIV) in pathogenesis.

## Teaching Activities

BIOL344, Microbiology, Fall2021

BIOL345, Introduction to Biotechnology, AY2015-16,AY2021-22

BIOL410, Microbial Biotechnology, AY2012-13

BIOL357, Virology, AY2012-13

BIOL200&BIOL343, Microbiology and Immunology, 2012-2017

BIOL425, Molecular Biology, 2014-2017

BIOL428, Medical Microbiology, 2016-2017

BIOL450, Immunology, 2012-2015

BIOL101L, General Biology-ILab, 2017-2018

## Research Activities

### - *Research Interests*

Plant Molecular Virology

Biotechnology

Microbiology

Plant Molecular Biology

### - *Publications*

#### **Article:**

1. 2022 1. Kadim IT, Al-Amri IS, Alkindi AY, Haq QMI. Nutritional values and health benefits of dromedary camel meat. Animal Frontiers. 2022 Aug;12(4):61-70., 1. Kadim IT, Al-Amri IS, Alkindi AY, Haq QMI. Nutritional values and health benefits of dromedary camel meat. Animal Frontiers. 2022 Aug;12(4):61-70.

2. 2022 2. Haq QMI, Hussain T, Al Alawi JK, Al Siyabi RH, Al Rawahi SH. RADVANCESAVANCE ON MOLECULAR MECHANISMS OF ABIOTIC AND BIOTIC STRESS: MARKER-ASSISTED SELECTIONS. Journal of Advance Research in Food, Agriculture and Environmental Science. 2022 Apr 30;8(1):1-3., 2. Haq QMI, Hussain T, Al Alawi JK, Al Siyabi RH, Al Rawahi SH. RADVANCESAVANCE ON MOLECULAR MECHANISMS OF ABIOTIC AND BIOTIC STRESS: MARKER-ASSISTED SELECTIONS. Journal of Advance Research in Food, Agriculture and

Environmental Science. 2022 Apr 30;8(1):1-3.

3. 2022 3. I.S. Al-Amri<sup>1</sup>, I.T. Kadim<sup>#1</sup>, A.Y. Alkindi<sup>1</sup>, Q.M.I.Haq<sup>1</sup>, D.S. Al-Ajmi<sup>2</sup>, A. Haemd<sup>1R</sup>. Quibol<sup>1</sup>, R.S. Al-Magbali<sup>3</sup>, S.K. Khalaf<sup>4</sup>, &K.S. Al Hosni<sup>4</sup> (2022). The effect of pre-slaughter electrical stunning on meat quality, histology, and microbial count of several goat muscles. South African Journal of Animal Science. , 3. I.S. Al-Amri<sup>1</sup>, I.T. Kadim<sup>#1</sup>, A.Y. Alkindi<sup>1</sup>, Q.M.I.Haq<sup>1</sup>, D.S. Al-Ajmi<sup>2</sup>, A. Haemd<sup>1R</sup>. Quibol<sup>1</sup>, R.S. Al-Magbali<sup>3</sup>, S.K. Khalaf<sup>4</sup>, &K.S. Al Hosni<sup>4</sup> (2022). The effect of pre-slaughter electrical stunning on meat quality, histology, and microbial count of several goat muscles. South African Journal of Animal Science.

4. 2022 4. Haq QMI, Sohrab SS, Brown JK, Al-Harrasi A. Association of tomato yellow leaf curl virus—Oman strain with the leaf curl and yellow mosaic symptoms on papaya and wild poinsettia in Oman. Canadian Journal of Plant Pathology. 2022 May 4;44(3):465-72., 4. Haq QMI, Sohrab SS, Brown JK, Al-Harrasi A. Association of tomato yellow leaf curl virus—Oman strain with the leaf curl and yellow mosaic symptoms on papaya and wild poinsettia in Oman. Canadian Journal of Plant Pathology. 2022 May 4;44(3):465-72.

5. 2021 5. Paredes-Montero JR, Haq QMI, Mohamed AA, Brown JK. Phylogeographic and SNPs analyses of Bemisia tabaci B mitotype populations reveal that only two of eight haplotypes are invasive. Biology. 2021 Oct 15;10(10):1048., 5. Paredes-Montero JR, Haq QMI, Mohamed AA, Brown JK. Phylogeographic and SNPs analyses of Bemisia tabaci B mitotype populations reveal that only two of eight haplotypes are invasive. Biology. 2021 Oct 15;10(10):1048.

6. 2020 1. Hussain T, Haq QMI. Current and Prospective Approaches for Plant Virus Diseases Detection. In Plant Pathogens 2020 Jan 29 (pp. 15-34). Apple Academic Press. ISBN: 9780429057212., 1. Hussain T, Haq QMI. Current and Prospective Approaches for Plant Virus Diseases Detection. In Plant Pathogens 2020 Jan 29 (pp. 15-34). Apple Academic Press. ISBN: 9780429057212.

7. 2020 2. Haq QMI, Hussain T. CRISPR/Cas9: A New Revolutionary Science in Agricultural and Horticulture. Nanobiotechnology in Agriculture. 2020:195-205. ISBN 978-3-030-39977-1., 2. Haq QMI, Hussain T. CRISPR/Cas9: A New Revolutionary Science in Agricultural and Horticulture. Nanobiotechnology in Agriculture. 2020:195-205. ISBN 978-3-030-39977-1.

8. 2020 3. Kadim IT, Haq QMI, Al-Amri IS, Al-Kindi AY, Nasser AK. Postharvest Storage and Safety of Meat. In Handbook of Food Preservation 2020 Jun 10 (pp. 121-140). CRC Press., 3. Kadim IT, Haq QMI, Al-Amri IS, Al-Kindi AY, Nasser AK. Postharvest Storage and Safety of Meat. In Handbook of Food Preservation 2020 Jun 10 (pp. 121-140). CRC Press.

9. 2020 4. Haq QMI, Sohrab SS. Begomovirus research in Oman: a critical appraisal and the way ahead. In Applied Plant Virology 2020 Jan 1 (pp. 455-460). Academic Press. ISBN:

978-0-12-818654-1., 4. Haq QMI, Sohrab SS. Begomovirus research in Oman: a critical appraisal and the way ahead. In *Applied Plant Virology* 2020 Jan 1 (pp. 455-460). Academic Press. ISBN: 978-0-12-818654-1.

10. 2020 5. Sohrab SS, Haq QMI. Begomovirus research in Saudi Arabia: current status and future prospects. *Applied Plant Virology*. 2020 Jan 1;515-20. ISBN: 978-0-12-818654-1., 5. Sohrab SS, Haq QMI. Begomovirus research in Saudi Arabia: current status and future prospects. *Applied Plant Virology*. 2020 Jan 1;515-20. ISBN: 978-0-12-818654-1.

11. 2020 Robust Fourier transformed infrared spectroscopy coupled with multivariate methods for detection and quantification of urea adulteration in fresh milk samples. *Food Science & Nutrition*.

12. 2020 6. Kadim IT, Al-Amri IS, Al-Kindi AY, Al-Magbali R, Abbas G, Imranul QM, Khalaf SK. Residues of antibiotics, anabolic steroids, and pesticides in assorted broiler chicken meat and meat products available in the Omani market. *EC Nutr*. 2020;15(3):1-3., 6. Kadim IT, Al-Amri IS, Al-Kindi AY, Al-Magbali R, Abbas G, Imranul QM, Khalaf SK. Residues of antibiotics, anabolic steroids, and pesticides in assorted broiler chicken meat and meat products available in the Omani market. *EC Nutr*. 2020;15(3):1-3.

13. 2020 7. Abbas G, Haq QMI, Hamaed A, Al-Sibani M, Hussain H. Glucagon and glucagon-like peptide-1 receptors: promising therapeutic targets for effective management of diabetes mellitus. *Current Pharmaceutical Design*. 2020 Feb 1;26(4):501-8. , 7. Abbas G, Haq QMI, Hamaed A, Al-Sibani M, Hussain H. Glucagon and glucagon-like peptide-1 receptors: promising therapeutic targets for effective management of diabetes mellitus. *Current Pharmaceutical Design*. 2020 Feb 1;26(4):501-8.

14. 2020 8. Mabood F, Boqué R, Alkindi AY, Al-Harrasi A, Al Amri IS, Boukra S, Jabeen F, Hussain J, Abbas G, Naureen Z, Haq QMI. Fast detection and quantification of pork meat in other meats by reflectance FT-NIR spectroscopy and multivariate analysis. *Meat science*. 2020 May 1;163:108084. , 8. Mabood F, Boqué R, Alkindi AY, Al-Harrasi A, Al Amri IS, Boukra S, Jabeen F, Hussain J, Abbas G, Naureen Z, Haq QMI. Fast detection and quantification of pork meat in other meats by reflectance FT-NIR spectroscopy and multivariate analysis. *Meat science*. 2020 May 1;163:108084.

15. 2019 Effect of sage (*Salvia officinalis* L.) aqueous leaf extract on performance, blood constituents, immunity response and ileal microflora of broiler chickens, Rasouli, Behrouz, Sajjad Movahhedkhah, Alireza Seidavi, Quazi M. Imranul Haq, Isam Kadim, Vito Laudadio, Domenico Mazzei, and Vincenzo Tufarelli. ``Effect of sage (*Salvia officinalis* L.) aqueous leaf extract on performance, blood constituents, immunity response and ileal microflora of broiler chickens.`` *Agroforestry Systems*: 1-9.

16. 2018 Effects of feed supplementation with lavender (*Lavandula angustifolia*) essence

on growth performance, carcass traits, blood constituents and caecal microbiota of broiler chickens. , 7. Mokhtari, S., Rahati, M., Seidavi, A., Haq, Q.M.I., Kadim, I., Laudadio, V. and Tufarelli, V., (2018). Effects of feed supplementation with lavender (*Lavandula angustifolia*) essence on growth performance, carcass traits, blood constituents and caecal microbiota of broiler chickens. EUROPEAN POULTRY SCIENCE, 82.

17. 2018 Applications of FT-NIRS combined with PLS multivariate methods for the detection & quantification of saccharin adulteration in commercial fruit juices., 3. Fazal Mabood, Javid Hussain, Farah Jabeen, Ghulam Abbas, Batoul Allaham, Mohammed Albroumi, Said Alghawi, Saif Alameri, Syed A Gilani, Ahmed Al-Harrasi, Quazi M.I Haq & Saima Farooq (2018) Applications of FT-NIRS combined with PLS multivariate methods for the detection & quantification of saccharin adulteration in commercial fruit juices, Food Additives & Contaminants: Part A, 35:6, 1052-1060, DOI: 10.1080/19440049.2018.1457802.

18. 2018 First Report of a Tomato yellow leaf curl virus Isolate Most Closely Related to a Previously Reported Begomovirus in Iran-Associated with Symptomatic Papaya Trees in Oman., 2. Haq, Q.M.I., Naureen, Z., Mahbood, F., Brown, J.K. and Al-Harrasi, A., (2018). First Report of a Tomato yellow leaf curl virus Isolate Most Closely Related to a Previously Reported Begomovirus in Iran-Associated with Symptomatic Papaya Trees in Oman. J Virol Antivir Res 7, 1, p.2.

19. 2018 Application of reflectance spectroscopies (FTIR-ATR & FT-NIR) coupled with multivariate methods for robust in vivo detection of begomovirus infection in papaya leaves. , 2. Quazi M.I. Haq\*, Fazal Mabood\*, Zakira Naureena\*, Ahmed Al-Harrasi, Sayed A. Gilani, Javid Hussain, Farah Jabeen, Ajmal Khan, Ruqaya S.M. Al-Sabari, Fatema H.S. Al-khanbashi, Amira A.M. Al-Fahdi, Ahoud K.A. Al-Zaabi, Fatma A.M. Al-Shuraiqi, Iman M. Al-Bahaisi. (2018). Application of reflectance spectroscopies (FTIR-ATR & FT-NIR) coupled with multivariate methods for robust in vivo detection of begomovirus infection in papaya leaves. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 198: 27-32.

20. 2017 FTNIRS coupled with chemometric methods as a rapid alternative tool for the detection and quantification of cow milk adulteration in camel milk samples., 5. Fazal Mabood, Farah Jabeen, Javid Hussain, Ahmed Al-Harrasi, Ahmad Hamaed, Saaida A.A.Al Mashaykhi, Zainb M.A.Al Rubaiey, Suryyia Manzoor, Ajmal Khan, Q.M.Imranul.Haq, S.A.Gilani, Alamgir Khan, (2017). FTNIRS coupled with chemometric methods as a rapid alternative tool for the detection and quantification of cow milk adulteration in camel milk samples, Vibrational Spectroscopy <http://dx.doi.org/10.1016/j.vibspec.2017.07.004>.

21. 2016 [A review on phyto pharmacological aspects of Peltophorum pterocarpum \(DC\)](#) BAKER EX. K HEYNE, 11. Maria Jerline Babu, Arumugam Vijay Anand, FaruckLukmanul Hakkim and Quazi Mohammad Imranul Haq. (2016); A review on phyto pharmacological

aspects of *Peltophorum pterocarpum* (DC) BAKER EX. K HEYNE. Int. J. of Adv. Res. 4 (11). 801-807] (ISSN 2320-5407). <http://dx.doi.org/10.21474/IJAR01/2150>

22. 2016 [Antibacterial activity of Oman's facultative \*Ganoderma applanatum\*](#), 10. Faruck Lukmanul Hakkim, Quazi Mohammad Imranul Haq, Jackson Achankunju and Fatema Khalifa Khalfan Al- Hasaniay. (2016); Antibacterial activity of Oman's facultative *Ganoderma applanatum*. Int. J. of Adv. Res. 4 (11). 780-783] (ISSN 2320-5407).

23. 2016 Effect on elemental composition and biochemical parameters in *Alstonia scholaris* R.Br. growing under stress of vehicular emissions., 9. Haq QMI and Umar S (2016). Effect on elemental composition and biochemical parameters in *Alstonia scholaris* R.Br. growing under stress of vehicular emissions. Journal of Science, 6: 326-334.

24. 2016 Emerging begomovirus diseases transmitted by whiteflies in the Sultanate of Oman., 8. Haq, Q.M.I, & Hakkim, F.L.(2016). Emerging begomovirus diseases transmitted by whiteflies in the Sultanate of Oman. Advance Research Journal of Multidisciplinary Discoveries. Part-4 ,Vol. 6.0, C4, PP. 21-26. ISSN-2456-1045.

25. 2014 [Conservation of Omani Frankincense \(\*Boswellia Sacra\*, \*Burseraceae\*\) through Plant Tissue Culture Approach"](#), 12. Quazi Mohammed Imranul Haqa\*, Wafa Thabit Al-Riyamia, Samyah Khamis Al-Jadeedia, Houda Ambu-Saidia, Amal Ali Hamood Al-busaidia, Ahmed Sulleimen Al Harassia, Faruck Lukmanul Hakkimb\*(2014). Conservation of Omani Frankincense (*Boswellia Sacra*, *Burseraceae*) through Plant Tissue Culture Approach". Journa of Science, 4: 632-636. DOI:10.21276/jos

### **Book:**

1. 2016 Effect of vehicular emissions on *Alstonia scholaris* R.Br. , 1. Quazi Mohammed Imranul Haq and Shahid Umar (2016). Effect of vehicular emissions on *Alstonia scholaris* R.Br. Lambert Academic Publishing, Germany, ISBN: 978-3-659-90145-4.

2. 2014 Role of ORF-AV2 and ORF-AV1 of MYMIV in Pathogenesis., 2. Quazi Mohammed Imranul Haq, Arif Ali, V.G.Malathi (2014). Role of ORF-AV2 and ORF-AV1 of MYMIV in Pathogenesis. Lambert Academic Publishing, Germany, ISBN: 978-3-659-64798-7.

### **Faculty Administrative Experience**

2018 - 2019: College Academic Advising Officer (CAAO) - UoN

*I dealt with five departments (DBSC, DMPS, DECS, DAL, and DFL) and advised approximately 4,000 students every semester.*

- Present: Associate Professor - UoN

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