



Dr. Arshad Najj Alhasnawi

DOCTOR OF PHILOSOPHY



Profile

I am a Ph.D. Genetics from School of Biosciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM)



Contact

66001 The Street
The Town, Samawah
The County, Al Muthanna
(00964) 7826672019
arshad@mu.edu.iq
arshadnhq@siswa.ukm.edu.my
arshadnhq@gmail.com



Skills and Expertise

Genetics, PCR, DNA, RNA, Transgenic, Molecular Marker, Bioinformatics, Biotechnology, Cell Culture, Callus, Plant, Tissue Culture, Agriculture, Physiology, Abiotic Stress, Salt & Drought Stress, Salt & Drought Tolerance, Somatic Embryogenesis, Plant Breeding, Plant Hormones, Antioxidant Enzyme Systems.



Curriculum Vitae

Full Name: Arshad Najj Alhasnawi

Doctor of Philosophy (Ph.D.), Genetics

Working: Head of Biology Department, College of Education for Pure Sciences, Al-Muthanna University, Iraq

Summary: I am a highly trained genetic with more than ten years of experience in plant research studies for products that improve plants through abiotic stress. I have experience of working in Molecular biology techniques: RNA and DNA isolation, DNA sequencing, PCR, primer construction. Bioinformatics: GenBank searching: BLAST, Tree building, Multiple sequence alignments, protein sequence analysis tools. Biotechnology: Plant, Tissue Culture, and Somatic Embryogenesis. Chemical, Biochemical, Agriculture, Autonomy and Physiology.

Education

Bachelor (B.Sc) from University of Kufa	1997-2001
Master (M.Sc.) from, University of Kufa	2009-2011
Ph.D. from Universiti Kebangsaan Malaysia (UKM)	2013-2017

Experience

- Doing a lot of research in: Malaysian Nuclear Agency/ Malaysia, University of Kufa/Iraq, Al-Muthanna University/ Iraq, Universiti Kebangsaan Malaysia
- Authored numerous articles published in the prestigious journal.
- Partake in more than 19 scientific conferences.
- Membership of the Royal Society of Biology, Membership Number P0134564

Reviewer for scientific journals: Biologia Plantarum, Biodiversitas, Journal of Biological Diversity, International Journal of Biotechnology and Molecular Biology Research, African Journal of Biotechnology, Chiang Mai Journal of Science, Biodiversitas, Journal of Biological Diversity, Plant Growth Regulation, Journal of Plant Breeding and Crop Science, African Journal of Agricultural Research, Information Processing in Agriculture, International Journal of Advance Agricultural Research, Journal of Rice Research and Developments. Etc.

Administrative Appointment

2017-Head of Postgraduate Studies Dept. Al-Muthanna University
2018- Head of Biology Department, College of Education for Pure Sciences



Online address

MU Staff Profiles: <http://profiles.mu.edu.iq/node/33>
Live DNA: <http://www.livedna.net/?dna=60.12099>
Researchgate: https://www.researchgate.net/profile/Arshad_Alhasnawi
Academia Education: <https://independent.academia.edu/ArshadAlhasnawi>
Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56158683700>
Google Scholar: https://scholar.google.com/citations?view_op=list_works&hl=en&user=Rd22ccEAAA
Publons: <https://publons.com/researcher/1697682/arshad-alhasnawi/>
Pubfacts: <https://www.pubfacts.com/author/arshad+alhasnawi>
ORCID iD: 0000-0003-2817-8807

Certificate of Appreciation

- Certificate of Thanks and Appreciation No. (163) Date (20/1/2008) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (514) Date (13/2/2008) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (4278) Date (16/7/2008) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (5956) Date (9/10/2008) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (2429) Date (12/4/2009) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (7055) Date (7/10/2008) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (1707) Date (21/2/2012) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (11083) Date (20/12/2012) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (2828) Date (31/3/2013) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (2114) Date (11/8/2014) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (2862) Date (17/10/2014) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (3293) Date (28/11/2014) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (1625) Date (9/7/2015) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (2070) Date (1/10/2015) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (1769) Date (5/8/2015) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (48) Date (8/1/2016) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation No. (1519) Date (5/7/2017) From the Iraqi Cultural Advisor, in Malaysia
- Certificate of Thanks and Appreciation Date (10/5/2017) From the Ambassador of the Republic of Iraq, in Malaysia
- Certificate of Thanks and Appreciation No. (5060) Date (20/7/2017) From the President of Al-Muthanna University
- Certificate of Appreciation No. (119) Date (11/1/2018) From the Assistant to the Rector for Scientific Affairs of Al-Muthanna University
- Certificate of Appreciation, Date (3/2/2018) From the Dean of College of Education for Pure Sciences, Al-Muthanna University
- Certificate of Thanks and Appreciation No. (1100) Date (12/2/2018) From the Assistant to the Rector for Scientific Affairs of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (607) Date (14/3/2018) From the Dean of College of Education for Pure Sciences, Al-Muthanna University
- Certificate of Thanks and Appreciation No. (759) Date (29/3/2018) From the Assistant to the Rector for Scientific Affairs of Al-Muthanna University
- Certificate of Appreciation No. (958) Date (25/3/2018) From the Minister of Ministry of Higher Education and Scientific Research.
- Certificate of Thanks and Appreciation No. (5341) Date (15/8/2018) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (13698) Date (10/9/2018) From the Minister of Ministry of Higher Education and Scientific Research.
- Certificate of Thanks and Appreciation No. (6238) Date (4/10/2018) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (7055) Date (11/12/2018) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (353) Date (26/2/2019) From the Dean of College of Education for Pure Sciences, Al-Muthanna University
- Certificate of Thanks and Appreciation No. (384) Date (28/2/2019) From the Dean of College of Education for Pure Sciences, Al-Muthanna University
- Certificate of Thanks and Appreciation No. (2114) Date (19/8/2019) From the Dean of College of Economics & Administration, Al-Muthanna University.
- Certificate of Thanks and Appreciation No. (3102) Date (11/11/2019) From the Dean of College of Education for Pure Sciences, Al-Muthanna University
- Certificate of Thanks and Appreciation No. (3416) Date (15/12/2019) From the Dean of College of Education for Pure Sciences, Al-Muthanna University.
- Certificate of Thanks and Appreciation No. (M/335) Date (31/12/2019) From the Dean of College of Agriculture. University of Kerbala.
- Certificate of Thanks and Appreciation No. (576) Date (19/1/2020) From the President of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (1573) Date (11/2/2020) From the President of Al-Muthanna University
- Certificate of Appreciation No. (1573) Date (11/2/2020) From the Assistant to the Rector for Scientific Affairs of Al-Muthanna University
- Certificate of Thanks and Appreciation No. (208) Date (6/5/2020) From the Minister of Ministry of Higher Education and Scientific Research.
- Certificate of Thanks and Appreciation No. (730) Date (29/6/2020) From the Dean of College of Education for Pure Sciences, Al-Muthanna University.

- Certificate of Thanks and Appreciation No. (815) Date (21/7/2020) From the Dean of College of Education for Pure Sciences, Al-Muthanna University.
- Certificate of Thanks and Appreciation No. (532) Date (11/8/2020) From the Minister of Ministry of Higher Education and Scientific Research.

Workshops & Certificate

Participation in more than 70 workshops, in various scientific fields such as (Science & Technology, Biotechnology & Genetics. How to Publish your Paper in High Impact Journal, English language, Teaching methods, Internet and computer science) for example:

- Teaching methods No. (1/2061) Date (29/2/2012) in Al Muthanna, Iraq.
- TOEFL ITP Score Report. Name of Institution: EIIT/Q. Names: HUSIN ARSHAD NAJI. Student Number: 00483125. DOB 04\10\1978. Test Date 05/19/2012.
- TOEFL ITP Score Report. Name of Institution: AL-Mustafa Centre. Names: HUSIN ARSHAD NAJI. Student Number: 00483125 . DOB 04\10\1978. Test Date 07/08/2012. Total Score: 517.
- Certificate of achievement intensive English course. Semester II Session 2012/2013. Organized by the English language and preparatory programme Unit, School of Professional and Continuing Education, Universiti Teknologi Malaysia (UTMSpace).
- Certificate of participation, for participation in Trans Gen RNA Purification Workshop, Awarded this 26 day of September, 2014 at University Kebangsaan Malaysia, Bangi.
- Trans Gen DNA Purification Workshop, Awarded this 15 day of October, 2014 at University Kebangsaan Malaysia, Bangi.
- Culture & Language Exploration day 2014. In recognition for valuable contribution as a PARTICIPANTS on 19 October 2014. Malacca. Malacca. National University of Malaysia.
- PIPETTING ACADEMY. Better ergonomics, safety and pipetting results. 27 November 2013, IBD, UTM.
- Certificate of Third semester Ph.D student seminar, Oral presenter. 16th June 2015. Organised by School of Biosciences & Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia.
- Certificate of Malay Language as a Foreign Language I (ZZZM1023). Excellent (A). Semester II Sesi 2013-2014. CRTA. Universiti Kebangsaan Malaysia.
- Trans Gen DNA Purification Workshop, Awarded this 15 day of October, 2014 at University Kebangsaan Malaysia, Bangi.
- Certificate of Malay Language as a Foreign Language II (LMCM1023). Excellent (A). Semester I Sesi 2014-2015. CRTA. Universiti Kebangsaan Malaysia.
- How to Increase Your Papers Citations and H-Index. 9th October (Friday) 2015. The UKM Graduate Centre Public Lecture Series 23/2015. Universiti Kebangsaan Malaysia
- Manuscript Writing Workshop, Organised by School of Biosciences & Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia. 3rd-4th December 2015.
- MyGeneBank™ Workshop in Malaysian Agricultural Research and Development Institute (MARDI), Serdang, 43400 Seri Kembangan, Selangor, Malaysia on 18/12/2015
- Rice Postharvest and Solar Bubble Application Workshop, 26th March 2016 at Jabatan Pertanian Ledang, Johor, Malaysia. By SRI-Mas.
- Certificate of sixth semester Ph.D student seminar as presenter. Organised by School of Biosciences & Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 02 September 2016.
- Certificate of Oral presenter. How to publish your paper in high Impact Journal. 4th to 6th September 2016. Biology Department, Faculty of Mathematics and Natural Sciences (FMIPA), University of Padang (UNP), Indonesia.
- The UKM Graduate Centre Public Lecture Series 1/2016: "Assessing a PhD Thesis: What Examiners Expect". 13th January 2016. Universiti Kebangsaan Malaysia.
- Gene Editing Seminar: An Introduction to Applications & Tools; 8th May 2017. Research Centre for Biomedical Sciences, Sunway University, Malaysia.
- Certificate of participation for excellence contribution and participation in The 16th Postgraduate Colloquium as Presenter held on 13th -14th April 2016. Faculty of Science and Technology, Universiti Kebangsaan Malaysia.
- Certificate No. (7/1428) Date (19/10/2017). The perfection of the Arabic language. 15th-17th October 2017. Basic Education College. Al-Muthanna University, Iraq.
- Certificate No. (2270) Date (12/10/2017). The scientific guide for spreading the culture of quality. 10th October 2017. By Quality Assurance & University Performance. Al-Muthanna University. Iraq.
- Workshop of Total Quality Management System (TQM). 13th and 14th November 2017. College of Education for Pure Sciences, Al-Muthanna University, Iraq.
- University Performance Assessment Form. 15th November 2017. By Quality Assurance & University Performance. Al-Muthanna University. Iraq.

- Certification of Participation on 27th December 2017 “Publishing articles in the Scholarly journals” AlO Muthanna Medical College.
- Training course certificate, DNA Extraction and PCR technique, 26-27/4/2018, No. (7/738) day 6/5/2018 K Faculty of Basic at Al-Muthannan University.

Research Publications

1. **Alhasnawi**, A.N. & Abbass, J.A. 2011. Effect spraying of Benzyladenine and Chelated magnesium in some vegetative growth and flower characters of Chrysanthemum, *Chrysanthemum hortorum* Hort. Kufa Journal of Agriculture Science. 3(2): 14-26.
2. **Alhasnawi**, A.N. & Abbass, J.A. 2011. Effect of spraying of Benzyl adenine and chelated magnesium on growth and flowering of Chrysanthemum *Chrysanthemum hortorum* Hort. Euphrates Journal of Agriculture Science. 3(4) : 9-17.
3. **Alhasnawi**, A.N. 2012. The Effect treatment auxin Indole-3- butyric acid IBA on *Zinnia haageana*. Kufa Journal for Agricultural Science. 4(2):281-286.
4. Abbass, J.A. & **Alhasnawi**, A.N. 2013. The Effect of growing media and treatment with Magnesium sulfate heptahydrate on growth and flowering of plant (*Tagetes erecta* L.). Journal of Al-Muthanna for Agricultural Science, JMAS. 1(2): 14-22.
5. **Alhasnawi**, A.N. & Abbass, J.A. 2013. Effect of Cytokinin hormone (BA) and chelated Mg on growth and flowering of *Chrysanthemum hortorum* Hort. The University of Jordan – Deanship of Academic Research – Jordan Journal of Agriculture Sciences. 9(2): 225-239.
6. Kadhimi, A.A., **Alhasnawi**, A.N., Isahak, A., Yusoff, W.W. & Che Radziah, Z. 2014. Tissue culture and some of the factors affecting them and the micropropagation of strawberry. Life Sci. J. 11(8): 484-493. (ISSN 1097-8135), Scopus.
7. Kadhimi, A.A., **Alhasnawi**, A.N., Isahak, A., Ashraf, M.F., Mohamad, A., Doni, F., Yusoff, W.W. & Che Radziah, Z. 2014. Effect of genotype and growth regulators in induction of embryogenic callus in rice. J. Pure Appl. Microbi. 8: 4573-4578. (ISSN 0973-7510 Impact Factor: 0.073), ISI.
8. **Alhasnawi**, A.N., Kadhimi, A.A., Isahak, A., Mohamad, A., Yusoff, W.M. & Che Radziah, Z. 2015. Exogenous application of ascorbic acid ameliorates detrimental effects of salt stress in rice (MRQ74 and MR269) seedlings. Asian J. Crop Sci. 7: 186-196. (Science Alert ISSN: 1994-7879), Scopus.
9. **Alhasnawi**, A.N., Che Radziah, Z., Kadhimi, A.A., Isahak, A., Mohamad, A., & Yusoff, W.M. 2016. Enhancement of antioxidant enzyme activities in rice callus by ascorbic acid under salinity stress. Biologia Plantarum. 60(4): 783-787. (Springer, ISSN 0006-3134, Impact Factor: 1.849), ISI. Q1 Scopus.
10. **Alhasnawi**, A.N., Che Radziah, Z., Kadhimi, A.A., Isahak, A., Mohamad, A., Ashraf, M.F. & Yusoff, W.M. 2016. Applications of polysaccharides (β -glucan) for physiological and biochemical parameters for evaluation rice tolerance under salinity stress at seedling stage. J. Crop Sci. Biotech. 19(5): 353-362. doi: 10.1007/s12892-016-0009-4 (Springer, ISSN: 1975-9479), Scopus.
11. **Alhasnawi**, A.N., Kadhimi, A.A., Ibrahim, A.R., Isahak, A., Mohamed, A., Doni, F., Yusoff, W.M. & Che Radziah, Z. 2014. Salinity tolerant enhancement, tissue culture *in vitro* biochemical procedures. J. Plant Biol Res. 3: 51-64. (ISSN 2233-1980), IFJ.
12. **Alhasnawi**, A.N., Kadhimi, A.A., Isahak, A., Mohamad, A., Doni, F., Yusoff, W.M. & Che Radziah, Z. 2014. Salinity stress in plant and an important antioxidant enzyme. Life Sci. J. 11: 913-920. (ISSN 1097-8135), Scopus.
13. **Alhasnawi**, A.N., Kadhimi, A.A., Isahak, A., Mohamed, A., Doni, F., Yusoff, W.M. & Che Radziah, Z. 2015. Application of inter simple sequence repeat (ISSR) for detecting genetic analysis in rice (*Oryza sativa* L.). J. of Pure and Appl. Microbi. 9(2): 1091-1101. (ISSN 0973-7510 Impact Factor: 0.073), ISI.
14. **Alhasnawi**, A.N., Kadhimi, A.A., Mohamad, A., Yusoff, W.M. & Che Radziah, Z. 2014. Plant tissue culture and proline accumulation in abiotic stress: a review. J. Basic Appl Sci. Res. 4: 119-124. (ISSN 2090-4304) .
15. Kadhimi, A.A., **Alhasnawi**, A.N., Isahak, A., Ashraf, M.F., Mohamad, A., Doni, F., Yusoff, W.W. & Che Radziah, Z. 2014. Use of biotechnology to improve the tolerance in rice (*Oryza sativa*) to drought stress. J Pure Appl Mic 8(5): 4001-4010. (ISSN 0973-7510 Impact Factor: 0.073), ISI.
16. Che Radziah, Z., Kadhimi, A.A., **Alhasnawi**, A.N., Isahak, A., Mohamad, A., Ashraf, M.F. & Yusoff, W.M. 2016. Enhancing of drought tolerant rice (*Oryza sativa*) var. MRQ74 through gamma radiation *in vitro* pathway. Biotechnology. 15(6): 125-134. (Science Alert ISSN 1682-296x), Scopus.
17. Kadhimi, A.A., **Alhasnawi**, A.N., Isahak, A., Ashraf, M.F., Mohamad, A., Yusoff, W.W. & Che Radziah, Z. 2016. Gamma radiosensitivity study on MRQ74 and MR269, two elite varieties of rice (*Oryza sativa* L.). Life Sci. J. 13(2): 85-91. (ISSN 1097-8135), Scopus.
18. Kadhimi, A.A., Che Radziah, Z., **Alhasnawi**, A.N., Isahak, A., Ashraf, M.F., Mohamad, A., Doni, F., & Yusoff, W.W. 2016. Effect of irradiation and polyethylene glycol on drought tolerance of MR269 genotype rice (*Oryza sativa* L.). Asian J. Crop Sci. 8 (2): 52-59. (Science Alert, ISSN 1994-7879), Scopus .
19. **Alhasnawi** A.N., Kadhimi, A.A., Isahak, A., Mohamad, A., Yusoff, W.M. & Che Radziah, Z. 2017. Relationship observed between salinity-tolerant callus cell lines and anatomical structure of Line 2 (*Oryza sativa* L.) indica under salinity stress. Biocatalysis and Agricultural Biotechnology 10: 367–378 (Elsevier ISSN: 1878-8181) Scopus.

20. Che Radziah, Z., **Alhasnawi**, A.N., Kadhim, A.A., Isahak, A., Mohamad, A., Ashraf, M.F., Doni, F. & Yusoff, W.M. 2017. Development of a technique for callus induction and plant regeneration in *Oryza sativa* L. var. MRQ74 and MR269. *Advance J of Food Sci and Tech*. 13(3): 128-137. doi: 10.19026/ajfst.13.4149 (Maxwell, ISSN 2042-4868), Scopus .
21. **Alhasnawi**, A.N., Che Radziah, Z., Kadhim, A.A., Isahak, A., Mohamad, A. & Yusoff, W.M. 2017. Accumulation of antioxidants in rice callus (*Oryza sativa* L.) induced by β -glucan and salt stress. *Australian J. of Crop Sci*. 11(1): 118-125. doi: 10.21475/ajcs.2017.11.01.296 (Southern Cross Publisher Australia ISSN 1835-2693), Scopus.
22. **Alhasnawi**, A.N., Kadhim, A.A., Isahak, A., Mohamad, A., Ashraf, M.F., Doni, F., Yusoff, W.M. & Che Radziah, Z. 2017. DNA Isolation and Optimization of ISSR-PCR Reaction System in *Oryza sativa* L. *International Journal on Advanced Science, Engineering and Information Technology*. 7(6): 2264- 2272. (ISSN 2088-5334), Scopus .
23. **Alhasnawi**, A.N. 2017. Tissue Culture Technician and in Vitro Screening of Rice (*Oryza sativa* L) Callus for Salt Tolerance. *Journal of Global Pharma Technology*. 11(9):67-74. (ISSN 0975 -8542), Scopus.
24. AL-Zurfy, M.T., Abbass, J.A., **Alhasnawi**, A.N. 2018. Response of Freesia Hybrida Plant to Spraying with Roselle Calyx Extract (*Hibiscus Sabbdariffa* L.) and Vitamin B1 Extract in Growth Characteristics. *Journal of Global Pharma Technology*. 10(06):313-322. (ISSN 0975 -8542), Scopus.
25. Issa, F.H., **Alhasnawi**, A.N., Sabah, S.S. 2018. Influence of Gamma Radiation on in vitro Growth Microtubersation and Hormonal Content of some Potato (*Solanum Tuberosum* L.) Cultivars. *Plant Archives*. 18 (2): 2317-2323. (ISSN 0972-5210), Scopus.
26. **Alhasnawi**, A.N., Mandal, A.M., & Jasim, H.M. 2019. Using DNA Fingerprinting to detect the Genetic Relationships in Acacia by Inter-Simple Sequence Repeat Markers. *J Pure Appl Microbiol* 13(1):1-8. (SSN 0973-7510) Doi: 10.22207/JPAM.13.1. Scopus & Clarivate analytics.
27. **Alhasnawi**, A.N. 2019. Role of proline in plant stress tolerance: A mini review. *Res. on Crops* 20 (1): 223-229. (ISSN 0972-3226) Scopus.
28. **Alhasnawi**, A.N. 2019. β -Glucan-Mediated Alleviation of NaCl Stress in *Ocimum basilicum* L. in Relation to the Response of Antioxidant Enzymes and Assessment DNA Marker. *Journal of Ecological Engineering*. 20(8): 90–99. (ISSN 2081-139X) Doi: <https://doi.org/10.12911/22998993/110790>. Scopus.
29. Mandal, A.M., **Alhasnawi**, A.N., Jasim, H.M. & Mohamad, A. 2019. Evaluation of salt stress and molecular analysis of genetic variation of Iraqi rice cultivars. *Biodiversitas*. 20(11): 3309-3314. (ISSN: 1412-033X) Doi: 10.13057/biodiv/d201125. Scopus.
30. Alasadiy, Y.D.K., **Alhasnawi**, A.N. & Eabaid, F.A. 2020. The prevalence of parasitic infection in domestic chicken: A Review. *Medico-Legal Update*. 20(1):864-869. (ISSN: 0971-720X). Doi:10.37506/v20/i1/2020/mlu/194434. Scopus.

Conference Presentations

- **Alhasnawi**, A.N. et al. 2015. *In vitro* Applied Ascorbic Acid Increase Resistance to Salt Stress in Rice (*Oryza sativa* L.) Seedlings. MSTC 2015, Malaysian Science and Technology Congress in Faculty of Agriculture, Universiti Putra Malaysia. 20-21 January 2015.
- Kadhim, A.A., **Alhasnawi**, A.N. et al. 2015. Induction of genetic variation for drought tolerance in callus two rice varieties (MRQ 74 & MR269). iCAST International Conference on Advancement in Science and Technology 10th -12th August 2015
- **Alhasnawi**, A.N. et al. 2015. Improvement of Biochemical Characterization of Callus Rice under Ascorbic Acid and Salt Stress Conditions. iCAST International Conference on Advancement in Science and Technology 10th -12th August 2015.
- Kadhim, A.A., **Alhasnawi**, A.N. et al. 2015. The Economic Impacts of System of Rice Intensification (SRI) to Small Farmers. SEA Regional Conference on SRI 2015, 25-28 May 2015.
- **Alhasnawi**, A.N. et al. 2015. Principles Methods and Application of System of Rice Intensification (SRI). SEA Regional Conference on SRI 2015, 25-28 May 2015.
- Doni, F., et al., **Alhasnawi**, A.N. et al. 2015. Symbiosis of SRI rice and microbes. SEA Regional Conference on SRI 2015, 25-28 May 2015.
- Kadhim, A.A., **Alhasnawi**, A.N. et al. 2015. Gamma Radiosensitivity Study of Two Varieties Rice (*Oryza sativa* L.) MRQ74 and MR269. MSTC 2015, Malaysian Science and Technology Congress in Faculty of Agriculture, Universiti Putra Malaysia. 20-21 January 2015.
- Kadhim, A.A., **Alhasnawi**, A.N. et al. 2015. Effect of Irradiation and Water Stress on Characteristics of Rice (*Oryza sativa* L.) MRQ74 and MR269 Varieties. ARCSB 2015-TriSys, 8-9 September 2015, The 3rd Asian Regional Conference on Systems Biology 2015 jointly organized with 5th Symposium on Systems and Synthetic Biology
- **Alhasnawi**, A.N. et al. 2015. Effect of Growth Regulators and Illumination on Callus Induction in Rice (*Oryza sativa* L.) var. MRQ74 and MR269. ARCSB 2015-TriSys, 8-9 September 2015, The 3rd Asian Regional Conference on Systems Biology 2015 jointly organized with 5th Symposium on Systems and Synthetic Biology

- Doni, F., et al., **Alhasnawi**, A.N. et al. 2015. Increasing Fitness of Rice Plants by Microbes. iCAST International Conference on Advancement in Science and Technology 10th -12th August 2015
- **Alhasnawi**, A.N. et al. 2016. Impact of exogenous ascorbic acid on biochemical activities of rice callus treated with salt stress. The 2016 UKM FST Postgraduate Colloquium AIP Conf. Proc. 1784, 020005-1–020005-5; doi: 10.1063/1.4966715 Published by AIP Publishing, Scopus. 978-0-7354-1446-4/\$30.00
- **Alhasnawi**, A.N. et al. 2016. Interaction of β -glucan and NaCl stress on accumulation of antioxidant enzymes and relationships with anatomical structure of line 2 plant. International Conference Sustainable Agriculture, Food, and Energy (SAFE2016) /20-22 Oct. 2016. Sri Lanka.
- Kadhimi A.A, Che Radziah, C.M.Z., **Alhasnawi**, A.N. et al. 2016. Impact of Gamma Rays Exposure and Growth Regulators on *Oryza sativa* L. c.v MR269 Callus Induction. The 2016 UKM FST Postgraduate Colloquium AIP Conf. Proc. 1784, 020006 (2016); doi: 10.1063/1.4966716. Published by AIP Publishing, Scopus.
- Kadhimi A.A, Che Radziah, C.M.Z., **Alhasnawi**, A.N. et al. 2016. Effect of caesium-137 exposure on callus induction of *Oryza sativa* L. c.v. MRQ74. International Conference Sustainable Agriculture, Food, and Energy (SAFE2016) /20-22 Oct. 2016. Sri Lanka.
- **Alhasnawi**, A.N. et al. 2016. Enhance Activities of Biochemical Characterization to Salt Tolerance in Callus. The 16th Postgraduate Colloquium, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 13th -14th April 2016
- Doni, F., et al., **Alhasnawi**, A.N. et al. 2016. Increasing rice plant growth by *Trichoderma sp.* The 2016 UKM FST Postgraduate Colloquium AIP Conf. Proc. 1784, 020011 (2016); doi: 10.1063/1.4966721. Published by AIP Publishing, Scopus.
- **Alhasnawi**, A.N. et al. 2018. DNA Isolation and Establishment of Inter-Simple Sequence Repeat (ISSR) Markers for Genetic Relationships in Rice. 2nd International Conference for Science &Arts. 7-8 March, 2018. Liverpool John Moores University UK, University of Babylon, IRAQ.
- Kadhimi, A.A., **Alhasnawi**, A.N. et al. 2018. Assessment of Genetic Variation of Rice (*Oryza sativa* L.) Mutation 2 MR269 under Drought condition by (ISSR) Markers. ICNS2018-Biotechongy Conference. 3rd May, 2018. Charo University.
- **Alhasnawi**, A.N. and Alasadiy, Y.D.K. 2020. Role of exogenous salicylic acid in the alleviation of salinity stress in *Trigonella foenum–graecum* L. The 3rd International Conference of (Environmental and Agricultural Status in the Middle East) 14 – 16 July 2020, Cairo-Egypt.