

# Academic Curriculum Vitae



## Personal Information:

Full Name: **Prof. Dr. Yousif Mohamed Salih Nore Al-Barzinji**

Academic Title: **Professor**

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## Education:

- B. Sc. in Animal Production at College of Agriculture Engineering Sciences, University of Sulamania, 1997-1998.
- M. Sc. In Animal Breeding at Department of Animal Resources, College of Agriculture Engineering Sciences, Salahaddin University-Erbil, 2003.
- Ph. D. Animal Breeding / Molecular Genetics at Department of Animal Resources, College of Agriculture Engineering Sciences, Salahaddin University-Erbil, 2009.

## Employment:

- From 1999 till day at Department of Animal Resource, College of Agriculture Engendering Sciences, Salahaddin University-Erbil, KRG-Iraq.

## Qualifications

### - Teaching qualifications

1. Biostatistics, 2. Experimental Design and Data Analysis 3. Principle of animal production (small ruminant) 4. Animal Breeding and Poultry Breeding 5. Sheep and goat production 6. P. of Genetics, Adv. Genetics and Molecular Markers 7. Biotechnology, 8. Molecular Markers, 9. Cytogenetics 10. Experimental Design, Data & Genetic Analysis 11- Advance Molecular Biology and Advance Biotechnology

### - IT qualifications

- Office programs (MS-DOS, Word, access, axcel...etc.)
- Statistical program (SAS, SPSS, Static Graph, Animal model, Harvey).
- Genetic program (Popgene, PowerMarker, Gene maper.... etc.).

- **Language qualifications**  
Kurdish (Mother language) + English + Arabic.
- Any professional qualification
- **Professional courses**
  - Online Course Development and Quality control, UNESCO" AVACENNA Virtual Campus in Iraq, from 7<sup>th</sup> to 10<sup>th</sup> December, 2010 at University of Middle East Technical(Turkey). +Specialized Training Course on Molecular Characterizations of Small Ruminant Breeds, 1 to 12, April, 2007 at International Center for Agricultural Research in Dray Area (ICARDA)
  - Complete part of Ph.D. Dissertation at Biotechnology lab. 15 Oct,2007 to 15 Jun, 2008 at ICARDA.
  - Training Course on Molecular Food Quality 1 to 30 November, 2018 at BIOTECON Diagnostics, Potsdam-Berlin (Germany).

## Teaching experience:

- State all teaching courses you delivered, stating undergraduate or post graduate
  - 1. Biostatistics, 2. Agricultural Experimental Design 3. Principle of animal production 4. Animal Breeding 6. Poultry Breeding 7. Sheep and goat production 8. P. of Animal Genetics 9. Animal Biotechnology 10. Plant Biotechnology for undergraduate student at Salahaddin University-Erbil and University of Raparin.
  - 1. Adv. Genetics 2. Molecular Markers 3. Adv. Animal Biotechnology, 4. Cytogenetics 5. Experimental Design and Data Analysis, 6. Genetic Analysis 7- Advance Molecular Biology 8. Adv. Animal Breeding 9. Adv. Poultry Breeding 10. Adv. Biostatistics for post graduate students in Salahaddin University-Erbil, University of Sulamania, University of Duhok and University of Soran.
- **Supervision**
  - MSc:
  - 1- Thesis title (Genetic Relatedness among Some Sheep Breeds in Sulaimani Governorate Using RAPD-PCR Technique), Name of student (Muqdad Kamal Ali), FACULTY OF AGRICULTURAL SCIENCES-UNIVERSITY OF SULAIMANI. 2012.
  - 2- Thesis title (Genetic Diversity among Local and Commercial Turkey Breeds Using RAPD-DNA Technique), Name of student (Aram Omer Fatah), COLLEGE OF AGRICULTURE - SALAHADDIN UNIVERSITY-Erbil. 2014.
  - 3- Thesis title (Molecular Genetic of FecB, FecX and FecG Mutations in Iraqi Sheep Breeds Using RFLP-PCR Technique), Name of student (Kamaran Mustafa Taha), COLLEGE OF AGRICULTURE - SALAHADDIN UNIVERSITY-Erbil .2015.

- 4- Thesis title (Genetic Diversity in Iraqi Goat Breeds in Sulaimani Governorate Using DNA Markers), Name of student (Aram Hamad Qader), FACULTY OF AGRICULTURAL SCIENCES-UNIVERSITY OF SULAIMANI. 2016.
- 5- Thesis title (Molecular Polymorphism of Candidate Genes for Body Weights Traits in Awassi Sheep by PCR-RFLP Technique), Name of student (Aso A. Abdullah), COLLEGE OF AGRICULTURE - SALAHADDIN UNIVERSITY-Erbil .2017.
- 6- Thesis title (Molecular Polymorphism of Candidate Genes for Milk Yield Traits in Hamdani Sheep by PCR-RFLP Technique), Name of student (Saywan Abdul Salam Mohammed), College of Agriculture - Salahaddin University-Erbil .2018.
- 7- Thesis title (Genetic Evaluation of Local Goats for Milk and Growth Performance), Name of student (Fahid Kora Zainal), College of Agriculture Engineering Sciences - Salahaddin University-Erbil .2022.
- 8- Thesis title (Characterization for Growth and Carcass Traits in Local Rabbits by Molecular Technique), Name of student (Vanya Hassan Mohamed), College of Agriculture Engineering Sciences - Salahaddin University-Erbil .2022.
- PhD:
- 9- Dissertation title (Prolactin and Milk Production Genes Polymorphisms and Their Associations with Economic Traits In Karadi Ewes), Karwan M.H Kan, College of Agriculture Engineering Sciences, University of Sulamania. 2020.
- 10- Dissertation title (DNA Markers of Three Genes and their Associations with the Meat and Egg Production Traits in Local Varieties of Quail in Kurdistan Region), Lajan S. Ahmed. College of Agriculture Engineering Sciences, Salahaddin University-Erbil. 2020.
- 11- Dissertation title (Study on the morphological characteristic and genetic evidence of hawshar kurkish dogs raised in suliamani province; kurdistan region of iraq), Israa Hameed Abd Al-Sada, College of Veterinary Medicine, University of Sulamania.2020.
- 12- Dissertation title (Genotyping of Infectious Bronchitis Virus In Broiler Farms Located In Duhok Province, Kurdistan Region, North Of Iraq), Renas Husain Isa, College of Agriculture Engineering Sciences, University of Duhok.2021.
- 13- Dissertation title (The SNPs of Special Genes Associated with Productive and Reproductive Traits in Kurdish Quail), Kareem Maulud Hamad, College of Agriculture Engineering Sciences, Salahaddin University-Erbil. 2023.

## Research and publications

- 1- A Study of Growth and body dimensions of lambs and Genetic Evaluation for milk production of Hamdani ewes. Thesis Salahaddin University -Erbil 2003.
- 2- Study of some non-genetic factors affecting milk yield and estimation heritability for milk yield in Hammdani ewes. Zanco J. for Pure and Applied Science, 17 2005.

- 3- Study of some non-genetic factors affecting gestation period and birth weight in Hammdani ewes. *Mesopotamia J. of Agriculture*, 34 2006.
- 4- A Study on the relationship between body weight and body dimensions of lambs at weaning and selection of Hamdani ewes for milk production, *Mesopotamia J. of Agriculture*,35 2007.
- 5- A Study of Some Economical Traits with Breeding Value in Hamdani Sheep Using Molecular Genetics Techniques. Ph. D. Thesis Salahaddin University-Erbil 2009.
- 6- Polymorphism in Booroola (FecB) Gene Associated with Litter size in Hamdani Sheep. Kurdistan 3rd Conference on Biological Sciences University of Duhok 4-6 May,2010 (JUD)13 (1) 2010.
- 7-Assessing genetic diversity of Hamdani sheep breed in Kurdistan region of Iraq using microsatellite markers. *African Journal of Biotechnology* 10(67) 2011.
- 8- Microsatellite DNA polymorphisms and relation with economical traits in Hamdani ewes. 1st Inter. Agric. Conference, Duhoch University. 10-12, April, 2012 (JUD) 15(1) 2012.
- 9- Study of the Weaning Weight and Raw Fleece Yield for Maraz Cashmere Goat in Kurdistan Region of Iraq. *Iraqi Agric. Journal*43(3) 2012.
- 10- ESTIMATED OF GENETIC AND NON GENETIC PARAMETERS FOR DAILY TEST MILK YIELD AND FAT PERCENTAGE IN HAMDANI EWES. *Mesopotamia J. of Agriculture* 40 (3) 2012.
- 11- PREDICTION OF BREEDING VALUE OF AWASSI RAMS BASED ON PROGENY PERFORMANCE IN KURDISTAN REGION OF IRAQ. The 15th AAAP Animal Science Congress, Bangkok-Thailand, 2012.
- 12- Genetic Polymorphism in FecB Gene in five Iraqi sheep breeds Using RFLP-PCR Technique. *IOSR-JAVS India* 2 (4) 2013.
- 13-Genetic Diversity among Some Sheep Breeds in Sulamania Governorate using RAPD-PCR Technique. Thesis Sulamania University, 2013.
- 14- Genetic Diversity among Some Sheep Breeds in Sulaimani Governorate using RAPD-PCR Technique. *J. of Live Sciences, USA* 7(11) 2013.
- 15- Molecular Characterization for Karadi Sheep Breed Using Random Amplified Polymorphic DNA Markers. *Journal of Zankoy Sulaimani- Part A* (16) 2014.
- 16- Genetic Diversity among Local and Commercial Turkey Breeds Using RAPD-DNA Technique. Thesis Salahaddin University-Erbil ,2014.
- 17- Molecular Characterization of Hamdani Sheep Breed Using SSR Technique. Book LAP (LAMBERT Academic Publishing). Germany ISBN 978-3-659-56360-7, 2014.
- 18- Genetic Evaluation and factors Affecting Post Weaning Performance and Body Dimensions of Awassi Lambs. *Journal of Zankoy Sulaimani- Part A* 3(17) 2015.
- 19- Genetic Diversity among Three Domestic Turkey Lines in Erbil Using RAPD-PCR Technique. 2nd Scientific conference of Garmian University6-7 May, 2015.
- 20- MOLECULAR CHARACTERIZATION OF IRAQI LOCAL GOAT BREEDS USING RANDOM AMPLIFIED POLYMORPHIC DNA. *Iranian Journal of Applied Animal Science (IJAS)* Volume 6 (Issue 4), 2016.

- 21- GENETIC DIVERSITY OF DOMESTIC AND COMMERCIAL TURKEY BREEDS: ASSESSMENT USING RAPD-PCR TECHNIQUE. *Malaysian Applied Biology* , Volume 45(1) 2016.
- 22- Characterization of Local Goat Breeds Using RAP-DNA Markers. ICOWOBAS 2017 18th – 9th March, 2017.
- 23- Detection of Specific Genes Affect Body Weight Traits in Awassi lambs by RFLP-PCR Technique. ICASEE-2017 20<sup>th</sup> and 21<sup>st</sup> May, 2017.
- 24- Molecular Characterization of Fecb, FecX nd FecGH Mutations in Iraqi Sheep Breeds using RFLP-PCR Technique. *Malaysian Applied Biology* Volume 46(2)2017.
- 25- Genetic Diversity among Local Quail Using RAPD-DNA Marker. *Revista Cientifica* Vol. XXVIII, N92-81 ,1 † 2018.
- 26- Relatedness among three native geese in Erbil governorate using hematological and molecular methods. *Kurdistan Journal of Applied Research (KJAR)* 4 (1) 2019.
- 27- A Study of Body Weight and Milk Traits of Karadi Ewes – Sulaimani Governorate, Iraq *APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH* 17(6):14025-14038 2019.
- 28- Quantitative Genes Sequencing in Karadi Ewes Associated with Milk Yield Traits *APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH* 17(6):14805-14822 2019.
- 29- Specific Genes Affecting Body Weight in Iraqi Awassi Sheep. *Journal of Duhok University* 22(2) :187-195 2019.
- 30-Genetic Characterization for Local Chicken by Molecular Technique. 1st ICAS 2019.
- 31- Molecular Polymorphism of Candidate Genes for Milk Yield Traits in Hamdani Sheep by PCR-RFLP Technique. 1st ICAS 2019.
- 32- Genetic Distances among Eight Ornamental Chickens by Molecular Technique. *ITJEMAT* 11(2) 2020.
- 33- Three Candidate Genes and Its Association with Quantitative Variation of Egg Production Traits of Local Quail by Using PCR-RFLP. *Iraqi Journal of Agricultural Sciences* 51(Special Issue):124-131 2020.
- 34- Comparative Study of Hatchability and Fertility Rate Among Local Quails. *Iraqi Journal of Agricultural Sciences*51(3):744-751, 2020.
- 35-Genetic Evaluation and Factors Affecting Body Weight and Dimensions of Pishdar Dog in Iraqi-Kurdistan. *Biochemical & Cellular Archives* 20(1): 2761-2767, 2020.
- 36- Genetic diversity among Pishdar dog in Sulaimani governorate using RAPD-PCR technique. *EurAsian Journal of BioSciences* 14, 427-433, 2020.
- 37- Diagnosis of Coronavirus By Real-Time Pcr In Broiler Fields In Duhok Governorate, Kurdistan Region Of Iraq. *Journal of Duhok University* 23(1) 2020.
- 38- Molecular Analysis of FecgH Gene in Hamdani Sheep Breed in Iraqi Kurdistan Region. *Iraqi Journal of Agricultural Sciences*. 53(1)2022.
- 39- Detection of quantitative loci correlation with growth traits in local quail using PCR- RFLP technique. *Iraqi Journal of Agricultural Sciences*. 52(1) 2022.

- 40-Genotyping of avian infectious bronchitis virus in broiler farms in Duhok province, north of Iraq. Iraqi Journal of Veterinary Sciences, 36, (1) 2022.
- 41- Genetic characterization of three specific genes affected milk traits in Hamdani ewes by molecular technique. 3rd International Conferences of Agric. Sci. 15-16, June, 2022.
- 42- Comparative study of production performance Among local quails. Iraqi Journal of Agricultural Sciences 53(6) 2022.
- 43- Genetic characterization of body weight traits in rocky partridge chicks. Iraqi Journal of Agricultural Sciences. 53(6) 2022.
- 44- Genetic Evaluation of Body Weight Traits in Local Rabbit. Al-Qadisiyah Journal For Agriculture Sciences, 12(2) : 35-40 2022.
- 45- Evaluation of the meat and egg production characteristics of crosses of local quail. Euphrates Journal of Agriculture Science,14(3),2022.
- 46- Inspiration Highlights On Future Potential Hamdani Sheep. Book Salahaddin University-Erbil ISBN:978-9922-20-969-2, 2022.
- 47- Genetic evaluation of milk production traits in local goat. Iraqi Journal of Agricultural Sciences 54(5) 2023.
- 48- Polymorphism of Three Genes Affecting the Performance of Kurdish Quail. Book, LAP (LAMBERT Academic Publishing). Germany, ISBN 978-620-6-75294-3, 2023.
- 49- Evaluation of Milk Characteristics of Karadi Sheep Breed in Halabja Province, Kurdistan Region of Iraq. Uttar Pradesh J. Zool., vol. 45, no. 1, pp. 8-17, 2024.

## Conferences and courses attended

1. Kurdistan 3rd Conference on Biological Sciences, Kurdistan-Iraq, 4- 6 of May 2010, University of Duhok.
2. 1st Scientific Agricultural Conference, Kurdistan-Iraq 10-12 April, 2012, University of Duhok.
3. The 15th AAAP Animal Science Congress of the Asian-Australasian Association of Animal Production Societies, Bangkok-Thailand, 26-30 November 2012, University of Thammasat.
4. The 1<sup>st</sup> International Scientific Agricultural Conference, Kurdistan-Iraq, 20 – 21 November, 2013, Sulaimani.
5. 2nd Scientific Conference of Garmean University, Kurdistan-Iraq 6-7 May, 2015, Kalar.
6. 6 th International Conference and Workshops on Basic and Applied, Kurdistan Malaysia Indonesia 18th – 19th March 2017, Salahaddin University-Erbil.
7. ICASEE-2017 International Conference on Applied Science, Energy and Environment. Kurdistan-Iraq 20th and 21st May, 2017 Ishik University.

8. 1st International Conference on Agro Science 2019, Kurdistan-Iraq 6-7, Nov. 2019 Salahaddin University-Erbil
9. 3rd International Agriculture Conference, Kurdistan-Iraq, 2-3 Oct. 2019 University of Duhock.
10. 3rd International Conference of Agriculture Sciences, Kurdistan-Iraq 15-16, June, 2022 University of Sulaimani.

## **Funding and academic awards**

- Specialized Training Course on Molecular Characterizations of Small Ruminant Breeds, International Center for Agricultural Research in Dray Area(ICARDA), 1 to 12/April, 2007.
- Complete practical part of Ph.D. Dissertation at Biotechnology laboratory. International Center for Agricultural Research in Dray Area(ICARDA), 15/Oct,2007 to 15/ Jun, 2008.
- Online Course Development and Quality control, Univ. of Middle East Technical(Turkey) UNESCO" AVACENNA Virtual Campus in Iraq. From 7th to 10th December, 2010.
- Training Course on Molecular Food Quality 1 to 30 November, 2018 at BIOTECON Diagnostics, Potsdam-Berlin (Germany).

## **Professional memberships**

- Kurdistan Teachers Union
- Kurdistan Agricultural Engineers Syndicate

## **Professional Social Network Accounts:**

- <https://www.researchgate.net/profile/Yousif-Al-Barzinji/research>
- <https://scholar.google.com/citations?user=nK728pcAAAAJ&hl=en>
- <https://www.linkedin.com/in/prof-dr-yousif-al-barzinji-9437a4123/>
- <https://orcid.org/0000-0001-9846-7714>
- <https://www.facebook.com/barzinji2>

**Al-Barzinji, Yousif.** I'm born in Al-Mothana on 1976. In June 1998, I graduated from College of Agriculture, University of Sulamania. In 2003, I got M. Sc. In Animal Breeding and in 2009 I awarded a Ph.D. in Animal breeding/ Molecular Genetics, Salahaddin University-Erbil, (Iraq). I was hired as a teaching staff at the Salahaddin University-Erbil and taught his first course in the fall of 1999. Over the next 20 years, I taught many graduate as well as under graduate courses (Animal Genetics, Animal production, Animal breeding, Quantitative genetics, Experimental Design and Analysis, Animal Biotechnology, Molecular Genetics and Biostatistics) at Salahaddin University- Erbil, University of Sulaimani, University of Duhock and University of Raparin. While moving up the ranks to professor in 2022. I was M.Sc. and Ph.D. Advisor for 13 graduate students. I wrote many technical and scientific articles as well as consultancy reports to local and regional organizations. My research focused on Animal breeding and Genetics. I published more than 50 scientific papers. I received more than 40 thanks and appreciation from the university and the Ministry of Higher Education and Scientific Research.

**Prof. Dr. Yousif Al-Barzinji**