



JEMMALI Bayrem

Bayrem in 1978 April 01st, Sidi Bouzid-Tunisia

**Address: Department of Animal Production, School of Higher Education in Agriculture of Mateur, University of Carthage.
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WORK EXPERIENCE

He has been working in Genetic and Animal Biotechnology field and he held the following positions:

- ✓ **Researcher** (January 2009- December 2010) at the Tunisian National Gene bank: identification of prolificacy candidate gene in Tunisian Barbarine sheep and the use of microsatellite for genetic diversity screening in Tunisian autochthonous breed.
- ✓ **Contractual Assistant** (January 2011 – February 2012) at the School of Higher Education in Agriculture of Mateur, University of Carthage (Tunisia): Animal Biotechnology.
- ✓ **Assistant** (February 2012- May 2016) at the School of Higher Education in Agriculture of Mateur, University of Carthage (Tunisia): Genetic and Animal Biotechnology.
- ✓ **Associate Professor** (May 2016 – Now) at the School of Higher Education in Agriculture of Mateur, University of Carthage (Tunisia): Genetic and Animal Biotechnology.

QUALIFICATIONS AND EDUCATION

- ✓ **2007 -2010: PhD in Animal Productions, Genetic and Animal Biotechnology at the National Institute of Agronomy, Tunis.** Title of the thesis: "Identification of prolificacy candidate gene in Tunisian Barbarine sheep"
- ✓ **2005 - 2007: Master degree in Genetic and Animal Reproduction at the National Institute of Agronomy, Tunis.** The title of the Thesis was "Identification of kappa casein gene polymorphism in Tunisian local goat".
- ✓ **2000 - 2004: Degree in Life and earth sciences at the faculty of sciences of sfax.**

TECHNICAL SKILLS

- ✓ Genotyping, Sequencing, PCR, PCR-RFLP, AFLP, Genetix, GenAlex, Pop-Gene, Structure, SAS, SPSS, NTSys, Gen-Class...

- ✓ Genetic, Selection, Statistic, Production system...

Expertise:

- ✓ Contribution to build consensus on methodologies and tools for characterization and inventory of AnGR between AU member states. This consultancy aimed the development of revised and harmonized characterization, inventory and monitoring animal genetic resources tools' guidelines.
- ✓ Contribution to compile lessons learnt and best practices related to the development of guidelines and policies, crossbreeding, selection, conservation and preservation of AnGR in Africa.
- ✓ Assessment of the impact of livestock production systems, livestock mobility and livestock commercialization on AnGR resource base in North Afrique.
- ✓ Genetic Diversity of Tunisian Horse breeds.
- ✓ Identification of production systems in Tunisia.

LANGUAGES:

- ✓ English writing and speaking.
- ✓ French writing and speaking.
- ✓ Arabic writing and speaking.

PUBLICATIONS:

<https://scholar.google.com/citations?user=ksDpBSQAAAAJ&hl=fr>

More than 45 publication

43 total citations and h-index 3 (january 2017)

Selected articles:

1. **Jemmali Bayrem**, Mohaded Mezir Haddad, Nawel Barhoumi; Syrine Tounsi; Faten Lasfer; Amira Trabelsi; Belgacem Ben Aoun; Imen Gritli; Soufiene Ezzar; Abdelhak Ben Younes; Mohamed H. Ezzaouia Boulbaba Rekik; Hatem Ouled Ahmed. 2017. Genetic diversity in Tunisian horse breeds.
2. **Jemmali B**, Baccouche R, Bouraoui R, Kamon M, Ben G, Rekik B. 2017. Study of Genetic Polymorphism of Cd18 Gene in Tunisian Holstein Cows. Agri Res & Tech: Open Access J. 2017; 3(5): 555623. DOI: 10.19080/ARTOAJ.2017.03.555623
3. **B. JEMMALI**, R. BACCOUCHE, M. KAMOUN, A. BEN GARA, B. REKIK. 2017. Study of the genetic polymorphism of leptin in holstein dairy cows in Tunisia. SLM. Volume 1(2). Published February, 1, 2017.
4. **Jemmali B.**, Ferchichi M.A. and Kamon M. 2015. Milk yield and modeling of lactation curves of Tunisian she-camel. Emirates Journal of Food and Agriculture. (accepté pour publication) – ISSN: 2286-5314 ; Thomson Reuturs Impact Factor: JCR = 0.623 –
<http://my.ejmanager.com/ejfa/submit.php?isl=ac&lng=>
5. **Ben Zaabza, H., Ben Gara, A., Hammami, H., Jemmali, B., Ferchichi, M. A., and Rekik, B.:** Genetic parameters of reproductive traits in Tunisian Holsteins, Arch. Anim. Breed., 59, 209-213, doi:10.5194/aab-59-209-2016, 2016.
6. **Jemmali Borni**, Baccouche Rania, Rouissi Amal, Amraoui Marouen, Kamoun Mounir, Ben Gara Aberrahmene, Rekik Boulbaba. 2015. Genetic Polymorphism of Butyrophilin in Tunisian Holstein Dairy Cows. App. Sci. Report. 12 (2), 2015: 78-82 – ISSN: 2310-9440 ; Scientific Indexing Service Impact Factor: SIS = 0.887 –

<http://www.pscipub.com/Journals/Data/JList/Applied%20Science%20Reports/2015/%20Volume%2012/Issue%202/4.pdf>

7. **Jemmali B.**, Haddad M.M., Barhoumi N., Tounsi S., Lasfer F., Ben aoun B., Ezzar S., Ouled Ahmed H., Ezzaouia M.H and Rekik B. **2015**. Genetic diversity in Tunisian horse breeds. *Jornal of Genetics*. JGEN-S-15-00658. (article sous evaluation) - **ISSN: 0973-7731 ; Thomson Reuters Impact Factor: JCR = 1.093** – <https://www.editorialmanager.com/jgen/default.aspx>
8. **B. Jemmali**, M. M.Haddad, F. Lasfer, B. Ben aoun, S. Ezzar, S. Kribi, H. Ouled Ahmed, M.H. Ezzaouia, B. Rekik. **2015**. Investigation de la diversité génétique des races Barbe et Arabe Barbe en Tunisie. *Journal of New Sciences*. Volume 21(1). Published september, 01, pp 830-838. – **ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612** - www.jnsiences.org/2014/04/JNS_AgriBiotech_Vol_21_1.pdf
9. **B. Jemmali**, A. Ben Gara, Rekik B. **2014**. Extending Partial Lactation Records of Dairy cattle to 305 DIM in Tunisia. *Journal of New Sciences*. Volume 4(1). Published April, 01. P1-6. – **ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612** - www.jnsiences.org/2014/04/JNS_AgriBiotech_Vol_4_1.pdf
10. **Jemmali B.**, Ben Gara A, Selmi H, Ammari Z, Bouheni C, Ben Larbi M, Hammami M, Amraoui M, Kamoun M, Rouissi H, Rekik B. **2013**. Kappa casein gene polymorphism in Tunisian local goat. *Pak J Biol Sci*.2013 Dec 15;16(24):2031-5. – **ISSN: 1028-8880; Scimago Journal Rank: SJR Impact Factor = 0.31**- [http://www.ncbi.nlm.nih.gov/pubmed?term=Jemmali%20B\[Author\]&cauthor=true&cauthor_uid=24517024](http://www.ncbi.nlm.nih.gov/pubmed?term=Jemmali%20B[Author]&cauthor=true&cauthor_uid=24517024)
11. **Jemmali B.**, Kamoun M, Haddar M, Ben Gara A, Selmi H, Hammami M, Amraoui M, Rouissi H and Rekik B. 2012. Genetic Polymorphism of Casein Alpha-S1 Gene in North African Local Goat. *Journal of Animal Production Advances*. 73-1339129055 - **Available online 02 November 2012 - ISSN: 2251-7219 ; Edycja 2014 Impact Factor = 5** - http://www.bmjjournal.in/abstract_view.php?search_term=1526080112
12. **Jemmali Borni**, Bedhiaf Sonia and Djemali M'Naouer, **2012**. In the Search of Genetic Polymorphism of Bone Morphogenetic Protein with PCR-RFLP in Sheep. *J Anim Sci Adv* 2012, 2(Suppl. 3.1): 268-273. **Available online 1 March 2012 - ISSN: 0976 - 9080**. http://www.bmjjournal.in/abstract_view.php?search_term=1526080112
13. R. Baccouche, **B. Jemmali**, M. Ben hamouda. **2015**. Typology of Local Bovine Breeding System in Tunisia. *App. Sci. Report*. 9 (3), 2015: 181-186 – **ISSN: 2310-9440 ; Scientific Indexing Service Impact Factor: SIS = 0.887** – <http://www.pscipub.com/Journals/Data/JList/Applied%20Science%20Reports/2015/%20Volume%2009/Issue%203/8.pdf>
14. R. Baccouche, **B. Jemmali**, M. Haddad, N. M'Hamdi. M Ben Hamouda. **2015**. Phenotypic Characterization of Native Bovine Population in Northern Tunisia. *App. Sci. Report*. 10 (1), 2015: 38-44 – **ISSN: 2310-9440 ; Scientific Indexing Service Impact Factor: SIS = 0.887** –

<http://www.pscipub.com/Journals/Data/JList/Applied%20Science%20Reports/2015/%20Volume%2010/Issue%201/7.pdf>

15. H. Ben Zaabza, **B. Jemmali**, M. Nefti, K. Zahrane, M. Ferchichi, B. Rekik. **2015**. Biochemical analysis of Casein polymorphism in Tunisian local Goat. *Sci. Agri.* 10 (1), 2015: 38-43 - ISSN (Online): 2310-953X ; Scientific Indexing Service Impact Factor: SIS = 0.989 -

<http://www.pscipub.com/Journals/Data/JList/Scientia%20Agriculturae/2015/Volume%2010/Issue%201/6.pdf>

16. Bouraoui R, **Jemmali B**, Mhamdi N, Ben Mehrez C, Rekik B. **2014**. Etude de l'incidence des boiteries et de leurs impacts sur la production laitière des vaches laitières dans le subhumide Tunisien. *Journal of New Sciences*. Volume 9(2). Published September, 01, pp7-17. . - ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -

www.jnsiences.org/2014/09/JNS_AgriBiotech_Vol_9_2.pdf

17. MM, Haddad, **B. Jemmali**, A, Bedhiaf, S, Bedhiaf, M Djemali. **2014**. Diversité Génétique de la population des Poneys des Mogods du Nord Ouest de la Tunisie. *Journal of New Sciences*. Volume 3(3). Published March, 01, pp 22-28. . - ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -

www.jnsiences.org/2014/03/JNS_AgriBiotech_Vol_3_3.pdf

18. Maamouri O, **Jemmali B**, Badri I, Selmi , Rouissi H. **2014**. Effects of yeast (*Saccharomyces cerevisiae*) feed supplement on growth performances in "Queue Fine de l'Ouest" lambs. *Journal of New Sciences*. Volume 8(1). Published August, 01, pp 1-6. . - ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -

www.jnsiences.org/2014/08/JNS_AgriBiotech_Vol_8_1.pdf

19. R. Baccouche, S. Romdhani, **B. Jemmali**, MM. Haddad. **2014**. Etude de la variabilité phénotypique de la population bovine autochtone tunisienne. *Journal of New Sciences*. Volume 2(1). Published February, 01, pp1-10. . - ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -

www.jnsiences.org/2014/02/JNS_AgriBiotech_Vol_2_1.pdf

20. R. Baccouche, S. Romdhani, MM. Haddad, **B. Jemmali**. **2014**. Histoire évolutive de la population bovine locale en Tunisie. *Journal of New Sciences*. Volume 2(4). Published February, 01, pp27-40. . - ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -

www.jnsiences.org/2014/02/JNS_AgriBiotech_Vol_2_4.pdf

21. M., Kamoun and **B. Jemmali**. **2014**. Serum progesterone level of camel (*Camelus dromedarius*) according to the physiological status. *Journal of New Sciences*. Volume 3(2). Published March, 01, pp 10-21. . - ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -

www.jnsiences.org/2014/03/JNS_AgriBiotech_Vol_3_2.pdf

22. R Bouraoui, **B Jemmali**, I Riahi, M Ben Salem, I Chebbi et B Rekik. 2014. Le score des cellules somatiques du lait affecte les performances de reproduction chez la vache Holstein en Tunisie. *Livestock Research for Rural Development* 25 (11) 2013. - ISSN 0121-3784 ; Scimago Journal Rank Impact Factor: SJR = 0.21 -

<http://www.lrrd.org/lrrd25/11/bour25201.html>

23. M. MEZIR HADDAD, **B. JEMMALI**, A. BEDHIAF, S. BEDHIAF, M. DJEMALI. **2014**. Caractérisation moléculaire des races chevalines autochtones en Tunisie. Journal of New Sciences. Volume 2(2). Published February, 01, 2014 . – **ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -**

http://www.jnsiences.org/2014/02/JNS_AgriBiotech_Vol_2_2.pdf

24. R. BACCOUCHE , S. BEDHIAF, **B. JEMMALI** . **2014**. Study of the genetic diversity of the local cattle population in Tunisia by the AFLP method. Journal of New Sciences. Volume 12(4). Published December, 01, 2014. . – **ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -**

<http://jnsiences.org/agri-biotech/44-volume-12/101-study-of-the-genetic-diversity-of-the-local-cattle-population-in-tunisia-by-the-aflp-method>

25. R. BACCOUCHE, S. BEDHIAF, M. HADDAD , **B. JEMMALI**. **2015**. Population bovine locale en Tunisie : de la caractérisation morphologique à la caractérisation moléculaire. Journal of New Sciences. Volume 14(3). Published February, 01, 2015. . – **ISSN: 2286-5314 ; Global Impact Factor: GIF = 0.612 -**

<http://jnsiences.org/agri-biotech/51-volume-14/116-population-bovine-locale-en-tunisie-de-la-caracterisation-morphologique-a-la-caracterisation-moleculaire>

a. Publication dans des proceedings référenciés

1. **B. Jemmali**, Ferchichi M.A., Kamoun M. **2015**. Analysis of lactation curves by different mathematical models, milk yield and characteristic of Tunisian she-camel. 4th Conference of ISOCARD “SILK ROAD CAMEL: THE CAMELIDS, MAIN STAKES FOR SUSTANABLE DEVELOPMENT” June 8-12, 2015 Almaty, Kazakhstan.

https://www.researchgate.net/publication/281406508_Analysis_of_lactation_curves_by_different_mathematical_models_milk_yield_and_characteristic_of_tunisian_she-camel

2. Kamoun M. and **Jemmali B.** **2015**. MILK UREA CONCENTRATION AND MILK QUALITY VARIABILITY IN TUNISIAN CAMEL MILK. 4th Conference of ISOCARD “SILK ROAD CAMEL: THE CAMELIDS, MAIN STAKES FOR SUSTANABLE DEVELOPMENT” June 8-12, 2015 Almaty, Kazakhstan.

https://www.researchgate.net/publication/282243427_MILK_UREA_CONCENTRATION_AND_MILK_QUALITY_VARIABILITY_IN_TUNISIAN_CAMEL_MILK

3. Selmi H, Tibaoui G, Hammami M, **Jemmali B**, Ben Gara A and Rouissi H. **2012**. Effect of the nature of the concentrate feed on the end products of digestion in the Sicilo-Sarde sheep. 14th International Seminar of the FAO-CIHEAM Subnetwork on sheep and goat, Hammamet Tunisia 15-18 May 2012.

<http://www.iamz.ciheam.org/tunisia2012/files/Second%20Announcement%20Tunisia%20May%202012.pdf>

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