

Curriculum Vitae

Family name : **BEN AMOR**
First name : **SALMA**
Maiden name : **AROUS**
Date and place of birth : 02-03-1971 at Sfax
Nationality : Tunisian
Profession : Associate professor of higher education (Biology) in the Institute of Biotechnology of Sidi Thabet
Marital status : Married
Home address : 29, rue Abderrahman NACEUR – 2000 – BARDO-TUNIS.
Works adresse : Laboratoire de génétique Moléculaire, Immunologie et Biotechnologies, faculté des Science de Tunis. Campus el Manar
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EDUCATION

- 2002** : Phd in Genetic and Molecular Biology - Laboratory of Genetics and Molecular Biology - Faculty of Sciences of Tunis.
- 1995** : Master of Sciences in Genetic and Molecular Biology – Laboratory of Genetics and Molecular Biology - Faculty of Sciences of Tunis.
- 1993** : Bachelor's of sciences degree in Biology – faculty of Sciences of Tunis.
- 1989** : Baccalaureate of mathematics and sciences.

TRAININGS

- Training at the National institute of Agronomic research of Montfavet-France about anthers in vitro culture of pepper *Capsicum annuum* L. from 15 september to 15 october 1996.
- Training at the Jhon INNES center, Norwich-Angleterre about pepper tissue bombardment from 16 october to 5 november 2000.
- Post doctoral in the INRA Bordeaux in 2009.

TEACHING PROFESSIONAL EXPERIENCE

- Since 2007** : Associate professor of higher education at the Institute of Biotechnology of Sidi Thabet: Teacher of Botanicals, Cellular Biology and Plant Biotechnology.
- 2002/2007** : Associate professor of higher education at the Faculty of Sciences of Bizerte-Tunisia teaching Genetics, Botanicals, Plant biotechnologies and Cell Biology.
- 1999/2002** : Assistant professor of higher education at the Faculty of Sciences of Bizerte-Tunisia teaching Genetics, Botanicals and Cell Biology.
- 1998/99** : Teaching with contract and organisation of the practical works of Botanicals at the Faculty of Sciences of Gabes – Tunisia.
- 1997/98** :-Teaching course of Genetics at the Veterinary School of Sidi Thabet-Tunis-Tunisia.

- Teaching course of Botanicals Second and third level at The Faculty of Sciences of Bizerte -Tunisia.
1996/97 : Teaching course of Plant Biotechnology

RESEARCH PROFESSIONAL EXPERIENCE

* Member of the laboratory of Molecular Genetics, Immunology and Biotechnology since 1995.

* Member of the “Association Tunisienne des Science Biologiques” (Tunisain association of Biological Sciences).

* Post doctoral position in the UMR-GDPP INRA Bordeaux, France from February 2009 to January 2010.

Research Skills:

Plant tissue *in vitro* culture,
Tissue bombardment for plant transformation,
Enzymatic revelation,
DNA and RNA extraction,
Plant viruses' detection: PCR,
dsRNA extraction,
Transformation and cloning,
Sequence analysis and BLAST program using,
Sequence alignments.

MASTER SUBJECT :

Study of the enzymatic variability and the tissue culture of *Medicago truncatula* Gaertn.

PHD SUBJECT :

Plant regeneration from zygotic embryo hypocotyl of Tunisian chili (*Capsicum annuum* L.) and statistical analysis of regenerant. Inhibition of *in vitro* shoot induction and optimization of the bombardment method for GUS gene expression on zygotic embryos of Tunisian pepper variety explant.

POST DOCTORAL ACTIVITIES:

Detection and molecular characterisation of *Prunus* viruses: ALV (apricot latent virus) and CGRMV (cherry green ring mottle virus) in different regions of Tunisia.

Elaboration of efficient program for viruses eradication and establishment of resistant varieties.

Plant viruses' metgenome study: detection and characterisation of new plant viruses: participation in the project: "Métagénomique des virus phytopathogènes" of the UMR-GDPP Bordeaux

PAPERS

Ã AROUS S., BOUSSAID M. et MARRAKCHI M., 1998. Preliminary research about *in vitro* regeneration of Tunisian pepper *Capsicum annuum* L. Acts of the "XIth Eucarpia Meeting on Genetics and Breeding of *Capsicum* and Eggplant", Avignon - France 7-11 september, 1998.

Ã AROUS S., BOUSSAID M. et MARRAKCHI M., 2001. Characterisation of the regenerants and optimization of the bombardment method for GUS gene expression on Tunisian pepper variety explant. Acts of the "XIth Eucarpia Meeting on Genetics and Breeding of *Capsicum* and Eggplant", Antalya – Turkey, avril 9-13, 2001.

Ã AROUS S., BOUSSAID M. et MARRAKCHI M., 2002. Plant regeneration from zygotic embryo hypocotyl of Tunisian chili (*Capsicum annuum* L.). Statistical analysis of data. The Journal of Applied Horticulture, 3(1), 2002.

ORAL COMMUNICATIONS:

✕ AROUS S., SALHI-HANNACHI A., HADDIOUI M., BOUSSAID M., et MARRAKCHI M., 1996. Etude du polymorphisme enzymatique chez *Medicago truncatula* Gaertn. 9th Scientific Meeting of the Tunisian Society of Chemical Biology. 17-20 march 1996 - Tabarka, Tunisia.

✕ SALHI-HANNACHI A., AROUS S., BOUSSAID M., et MARRAKCHI M., 1996. Utilisation de marqueurs isoenzymatiques et de paramètres de la fertilité pour l'analyse de la diversité génétique des populations de *Medicago polymorpha*. 9th Scientific Meeting of the Tunisian Society of Chemical Biology. 17-20 march 1996 - Tabarka, Tunisia.

✕ AROUS S., BOUSSAID M., et MARRAKCHI M., 1998. Preliminary research about *in vitro* regeneration of Tunisian pepper *Capsicum annuum* L. Xth Eucarpia Meeting on Genetics and Breeding of *Capsicum* and Eggplant, Avignon - France 7-11 september, 1998.

✕ AROUS S., BOUSSAID M. et MARRAKCHI M., 1998. Aptitude de différentes variétés de *Capsicum annuum* L. à la régénération *in vitro*. 5th National Meeting the Agriculture Research, Nabeul-Tunisia ; 3-4 december 1998.

- ✘ **AROUS S.**, BOUSSAID M. et MARRAKCHI M., 2001. Characterisation of the regenerants and optimization of the bombardment method for GUS gene expression on Tunisian pepper variety explant. "XIth Eucarpia Meeting on Genetics and Breeding of *Capsicum* and Eggplant" Antalya – Turkey, april 9-13, 2001.
- ✘ CANDRESSE, T., MARAIS, A., YOUSSEF, F., FAURE, C., SVANELLA, L., **AROUS BEN AMOR, S.** and COUTURE, C. Approches pour l'identification sans à priori de nouveaux virus phytopathogènes : application à l'étude de l'étiologie de maladies des plantes et à l'étude du métagénome viral. XIIèmes Journées Francophone de Virologie, 18-19 Mars 2010, Paris.
- ✘ **AROUS S.**, MARAIS A., FAURE C., LE ROMANCER M., CANDRESSE T. Detection of new dsRNA virus in Kerguelen Islands native Apiaceae *Azorella selago*. XIII Congress of the Mediterranean Phytopathological Union, June 20 and 25, 2010 Rome, Italy (submitted).
- ✘ Armelle Marais¹, Chantal Faure¹, **Salma Arous**¹, Laurence Svanella-Dumas¹, Carole Couture¹, Maurice Hullé², Thierry Candresse¹. Recherche non ciblée de virus de plantes par une approche métagénomique : l'exemple des îles subantarctiques Françaises. Les Journées des Microbiologistes de l'INRA, Poitiers mai 2010 (submitted).
- ✘ Armelle Marais¹, Chantal Faure¹, **Salma Arous**¹, Laurence Svanella-Dumas¹, Carole Couture¹, Maurice Hullé² & Thierry Candresse¹. 11th International Plant Virus Epidemiology Symposium and 3rd Workshop of the Plant Virus Ecology Network, Cornell University en June 2010 (submitted).

POSTERS

- ✦ **AROUS S.**, BOUSSAID M., et MARRAKCHI M., 1999. Analyses des régénérations par culture *in vitro* de géotypes de piment *Capsicum annuum* L.. 10th Scientific meeting of the Tunisian Biological association, Monastir-Tunisia; 20-22 March 1999.
- ✦ **AROUS S.**, BOUSSAID M., et MARRAKCHI M., 2000. Stabilité des régénérants *in vitro* chez le piment. VIIth Scientific meeting of the AUPELF-UREF, Montpellier - France, 3-5 July 2000.
- ✦ **AROUS S.**, BOUSSAID M. et MARRAKCHI M., 2001. Inhibition of *in vitro* shoot induction and optimization of the bombardment method for GUS gene expression on zygotic embryos of Tunisian pepper variety explant. "XIth Eucarpia Meeting on Genetics and Breeding of *Capsicum* and Eggplant", Antalya – Turkey, april 9-13, 2001.
- ✦ **AROUS S.**, BOUSSAID M. et MARRAKCHI M., 2002. Facteurs affectant l'efficacité de la néoformation *in vitro* à partir de variétés tunisiennes de piment. VIIth Scientific meeting of the AUPELF-UREF, Marrakech – Maroc, 7-9 October 2002.
- ✦ **AROUS S.**, BOUSSAID M. et MARRAKCHI M., 2004. Factors affecting the *in vitro* organogenesis efficiency of Tunisian pepper. "XIIth Eucarpia Meeting on Genetics and Breeding of *Capsicum* and Eggplant", Amsterdam – Netherland, 17-19 May 2004.

COMPUTER SKILLS

Master software packages of MS office (Word, Power point,...)

LANGUAGE PROFICIENCY

	Written	Spoken
Arabic	Mother language	Mother language
French	Excellent	Excellent
English	Fair	Fair