

**Dr. Houda Bouraoui**  
Lecturer class B  
Badji Mokhtar University-Annaba  
E-mail : [houda.bouraoui@univ-annaba.dz](mailto:houda.bouraoui@univ-annaba.dz)

## Curriculum Vitae

### PROFESSIONAL EXPERIENCE

- 2014 to date** Badji Mokhtar University-Annaba- Algeria  
University teacher in charge of : Transgenesis and Genetic Engineering (Master I) – Genetic Engineering (Biochemistry License)
- 2013-2014** Hadj Lakhdar University-BATNA – Algeria  
University teacher in charge of : Immunological and Serological Techniques-Microbial Physiology and Regulation (Master I) and Microbial Genetics ( Microbiology License)
- February-May2013** Laboratory Engineer At Institut National de la Recherche Agronomique (INRA-France)  
**March-June 2012**
- 2003-2008** Hadj- Lakhdar University BATNA - Algeria  
University teacher in charge of : General Microbiology, Alimentary Microbiology, Environmental Microbiology, Microbiological Control Techniques and Systematics and Bacterial Ecology.

### STUDIES AND DIPLOMAS

- 2012** **PhD in Biology- Microbiology and Molecular Genetics** Paris XI University-FRANCE  
**2002** **Magister in Biology** – BADJI MOKHTAR University- Annaba, Algeria  
**1998** **Graduate Degree in Microbiology** – Les frères MENTOURI University – Constantine, Algeria

### SCIENTIFIC ACTIVITIES

#### **Poster:**

- 1- the 6<sup>th</sup> International Conference on Gram-positive Microorganisms-16<sup>th</sup> International Conference on *Bacilli*- 19-23 juin 2011 -Tuscany –Italy
- 2- Regulation of MtlR, the transcription activator of the *Bacillus subtilis* mannitol operon via phosphorylation by and interaction with PTS components, Houda Bouraoui,

Meriem Derkaoui, Marie-Françoise Noirot-Gros, Sandrine Poncet, Philippe Joyet, Josef Deutscher  
FEBS-SystemsX-SysBio2011 Advanced Lecture Course: “From Molecules to Function”, 26, Février-  
4 Mars 2011, Innsbruck- Austria :

- 3- la première journée de l'école doctorale Gène Génome Cellule-Université Paris XI. 2011
- 4- Détermination de la qualité bactériologique des eaux traitées et non traitées utilisées en irrigation,  
H.Bouraoui, N. Kaim and Douha  
The fifth Scientifics Days of l'ANDRS-Agence Nationale pour le développement de la Recherche  
en Santé- Annaba-Algeria, les 09,10 et 11 avril 2007
- 5- Identification et mesure de l'activité acidifiante de coques lactiques isolés de laits crus de vache. *H. Bouraoui, D. J. Benouareth* : The XIII national days of microbiology (21-22/ Novembre 2006, Les frères  
Mentouri University- Constantine-Algeria).
- 6- Taxonomical analysis of the bacterial contents of the camel rumen fluid, *Houda Bouraoui , Elena Vandramin, Andrea Squartini and Mohamed-Laid Haddi.*  
Fourth International Conference on Biological Sciences, Faculty of Science, Tanta  
University (01/02 Novembre 2006).

### Publications:

- 1- PTS-Mediated Regulation of the Transcription Activator MtlR from Different Species: Surprising Differences despite Strong Sequence Conservation  
Philippe Joyet ,Meriem Derkaoui, **Houda Bouraoui** and Josef Deutscher *J Mol Microbiol Biotechnol* 2015;25:94–105 DOI: 10.1159/000369619
- 2- The Bacterial Phosphoenolpyruvate:Carbohydrate Phosphotransferase System: Regulation by Protein Phosphorylation and Phosphorylation-Dependent Protein-Protein Interactions  
Josef Deutscher, Francine Moussan Désirée Aké, Meriem Derkaoui, Arthur Constant Zébré, Thanh Nguyen Cao, **Houda Bouraoui**, Takfarinas Kentache, Abdelhamid Mokhtari, Eliane Milohanic, Philippe Joyet, (2014), *Microbiology and molecular biology reviews: MMBR* 78(2):231-256 DOI: [10.1128/MMBR.00001-14](https://doi.org/10.1128/MMBR.00001-14)
- 3- Transcription regulators controlled by interaction with enzyme IIB components of the phosphoenolpyruvate:sugar phosphotransferase system: Philippe Joyet, **Houda Bouraoui**, Francine Moussan Désirée Aké, Meriem Derkaoui, Arthur Constant Zébré, Thanh Nguyen Cao, Magali Ventroux, Sylvie Nessler, Marie-Françoise Noirot-Gros, Josef Deutscher, Eliane Milohanic *Biochimica et Biophysica Acta* 1834 (2013) 1415–1424
- 4- Membrane sequestration by the EIIB domain of the mannitol permease MtlA activates the *Bacillus subtilis* mtl operon regulator MtlR: **Houda Bouraoui**, Magali Ventroux, Marie-Françoise Noirot-Gros, Josef Deutscher and Philippe Joyet  
*Molecular Microbiology* (2013) 87(4), 789–801 doi:10.1111/mmi.12131
- 5- Taxonomical analysis of the suspended bacterial fraction in the dromedary rumen fluid  
**Houda Bouraoui**, Elena Vandramin, Andrea Squartini and Mohamed-Laid Haddi  
*African Journal of Biotechnology* Vol. 10(76), pp. 17640-17644, 30 November, 2011
- 6- Functional characterization of the incomplete phosphotransferase system (PTS) of the intracellular pathogen *Brucella melitensis*. Dozot M, Poncet S, Nicolas C, Copin R, **Bouraoui H, Mazé A,** Deutscher J, De Bolle X, Letesson JJ. *PLoS One*. 2010 Sep 10;5(9).

**Chapter on book**: Mannitol chemistry, uses and potential Side effects, Paolo Fubini Editor

1- Chapitre 1 : Utilization and production of D-mannitol by Bacteria, Josef Deutscher, **Houda Bouraoui**, Meriem Darkaoui and Philippe Joyet p (1-20) ISBN: 978-1-62808-762-8 2013 Nova Sciences Publishers, Inc.

