

CURRICULUM VITAE

First and last name: Sihem Chairat **BENABDALLAH**
Date and Birthplace: February 4, 1965 in Tunis
Nationality: Tunisian
Present Position: Associate Professor – Researcher in Center for Water research and technologies- Ecoparc Borj Cédria.
Address: B.P. 333 Cité Mahrajène; 1082 Tunis-Tunisia
Phone: Ph:(216) 71 760 463- Mobile (216) 98 355 982
Email: sihem.benabdallah@inrst.rnrt.tn

EDUCATION

May 1993 PhD, School of Civil Engineering, Purdue University, U.S.A.
May 1990 MSCE; School of Civil Engineering, Purdue University, U.S.A.
June 1988 BSCE, Oregon State University, U.S.A.
June 1984 Tunisian Baccalaureate of Math and Sciences

OTHER SHORT COURSES

- **Environmental impact assessment**, World Bank- METAP Program Tunis Tunisia, 2001
- **Ecology and hydrology of Mediterranean rivers and tools for their management** , Saragossa Spain, 2002.
- **Strategic Environmental Evaluation”** World Bank METAP Program Tunis Tunisia. 2002.

KEY QUALIFICATIONS

- modelling hydrology and water quality at river basin scale) to estimate impacts of management of point (industrial and urban waste emissions) and diffuse sources,
- assessment of the contribution by industrial and agricultural sectors to pollutants found in waste streams as a basis for environmental impact studies
 - Impact of reclaimed water on soils and water bodies

LANGUAGES SKILLS

	Speaking	Reading	Writing
Arabic	Good	Good	Good
French	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

PROFESSIONAL EXPERIENCE

Date from - Date to	Location	Company	Position	Description
1990-1993	West Lafayette Indiana	Purdue University	Research Assistant	Project: Integration of a Geographical Information system to the management of a hydrological simulation model for the Ohio River
Sept 1993-March 2000	Tunis - Tunisia	STUDI –Private International consulting Firm	Senior Engineer and head of projects	Hydraulic studies, Water management studies, water modelling and environmental studies in Tunisia, Libya, Togo and Gabon
April 2000-Sept 2004	Tunis - Tunisia	Tunis International Centre for Environnemental Technologies	Expert-consultant	Coordinator of the projects financed by the European Commission and other national projects
Oct 2004-to date	Borj Cedria - Tunisia	Centre of Water Technologies (former National Institute for scientific and technology research)	Associate Professor	Researcher, Graduate and undergraduate theses supervision; Member of the scientific board of the national institute for climate

SELECTED PUBLICATIONS

- **S. Benabdallah;** “The Water Resources and Water Management Regimes in the North of Tunisia”, Stengthening *Science Based Decision Making for Agriculture Water Management Workshop*; June 2005, Tunis, Tunisie
- F. Bouraoui, **S. Benabdallah**, A. Jrad, G. Bidoglio, «Application of the SWAT model on the Medjerda river basin (Tunisia) » ; *Physics and Chemistry of the Earth* ; Vol 30, 497-507, Sept 2005.
- Susanne Neubert, et **Sihem Benabdallah** "La réutilisation des eaux usées traitées en Tunisie », publication of the German development Institute, in french and German. Mars 2003 ; Bonn.
- **Benabdallah S.** Water reuse in Tunisia: Policy framework and strategy. German Development Institute. 30 pg. 2003
- **Chairat S.** "Incidence of the bed rock on water quality of Medjerda" the Eighth Day of geology; March 2002.
- **Chairat S.** "Special Analysis of a catchment area of Medjerda: the Tessa wadi " Fifth Conference of Geography; FLM Manouba from the 25th to 27th October 27, 2001.
- Boussema, M.R.& **Chairat S.** "Hydrological Modeling of Erosion using a SIG," Canadian tunisian Conference on Geographical information systems Using imaging; November 1994, Hammamet.

- Boussema, M.R., Klai A., **Chairat S.** and R. Caloz, "*ARC/INFO for a Geographical Information system Environmental: Case of the Catchment Area of the Douimis Wadi,* " Users European Conference; October 1994, Paris-FRANCE.
- **Chairat, S** and J.W. Delleur, "*Effects of the Topographic Index Distribution one the Predicted Runoff Using GRASS,* " American Water Resources Bulletin, V 29, N° 6, December 1993.
- **Chairat, S.**, "*Adapting have physically Based Hydrology Model to Geographic Information Systems for Flood Forecasting in A Small Watershed*" Thesis of Ph.D, May 1993, Purdue University, USA.
- **Chairat, S.** and J.W. Delleur, "*Integrating has Physically Based Hydrology Model with GRASS,*" HYDROGIS 93: International conference on the Applications of the Geographical Information systems for the Adjustments of the Water Resources, April 1993, Vienna - Austria.
- **Chairat, S.** and J.W. Delleur, «*Effects of the Topographic Index Distribution on the Predicted Runoff Using GRASS*" AWRA Proceedings: Symposium on Water the Geographical Resource and Information systems, Mars 1993, Alabama-USA.
- **Chairat, S.** "*Monthly and Seasonal Low Flow Frequency Analysis of Indiana Streams "* Master Thesis, May 1990, Purdue the University-USA.