

SHORT RESUME

Raquel Salazar Moreno

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EDUCATION

P.h D. in Agricultural and Biosystem Engineering, The University of Arizona, November 2000

M.S in Agricultural Economics, Colegio de Postgraduados, México, May 1986

B.S. in Agricultural Industries, The University of Chapingo, Mexico, 1994

ACADEMIC EXPERIENCE:

Undergraduate level courses: Agricultural Economics, Engineering, Linear Algebra
Differential Equations, Agricultural Engineering, Probability and Statistics, Mathematics
Statistics, Matrix Algebra.

Graduate level: Optimization Techniques, Reliability, Multiobjective Analysis and Game
theory, Matrix Algebra.

RESEARCH EXPERIENCE

**Main Research Areas: Linear non-Linear and Multiobjective Optimization, Game
Theory, Neural Networks Models**

Papers related to Water :

Salazar, M.R., Stone, J, Yakowitz, D, Slack, D. 2005. "Multicriteria Analysis In An
Irrigation District In Mexico "Journal of Irrigation and Drainage Engineering. Vol
131, No. 6 p 514-524. ISSN: 0733-9437

Salazar, M.R, Szidarovszky, F., Coppola, E., Rojano A.A. 2005. Application of Game
Theory in a Groundwater Conflict in Mexico. Paper No. 722-05 Journal of
Environmental Management ISSN: 0301-4797.

Salazar, M. R., Szidarovszky, F., Coppola, E., Rojano, A. A. 2007. Application of Game
Theory in a Groundwater Conflict in Mexico. Journal of Environmental
Management . Vol 84, No. 4 p 560-571, ISSN: 0301-4797.

Salazar, M. R., Szidarovszky, F., Rojano, A. A., 2007. A Model to Optimize Water Distribution. En Proceedings Western Decision Sciences Institute 36th Annual Meeting. ISSN 1098-2248.

Salazar, M. R., Szidarovszky, F., Rojano, A. A. 2010. Water Distribution Scenarios in the Mexican Valley. 2010 Water Resour Manage DOI 10.1007/s11269-010-9589-9. Published online January 27, 2010.

Salazar, M. R., Szidarovszky, F., Rojano, A. A., López, C.I. 2010. Multiobjective Linear Model Optimize Water Distribution in Mexican Valley. J Optim Theory Appl 144: 557–573.

Salazar, M. R., Schmidt, U., Huber, C., Rojano, A. A. , López, C.I. 2010. Neural Networks Models for Temperature and CO2 Control. Article No. 17801-IJAR-AJ. 5 (4):191-200.

Six Bachelors Degree Dissertations-

Participation in more than 90 national e international conferences

28 workshops organization

8 national e international AWARDS