

Zougagh Mohammed, University of Castilla-La Mancha, Ciudad Real, Spain



Mohammed Zougagh, is INCRECYT researcher at the **University of Castilla-La Mancha, in Ciudad Real (Spain)**. He studied Chemistry at Mohamed V University (Oujda, Morocco). He has a degree at the chemistry recognized by the Spanish authorities. Then, he began Ph.D. studies in the Department of Analytical Chemistry at University of Malaga, developing its research work under the direction of Prof. José Manuel Cano, obtaining his Ph.D. Thesis from the University of Malaga in January 2002 with *Cum Laude* mark. During this period, his work focused on the development of methods for determination of trace metal in environmental samples by ICP-AES, ETAAS and on-line preconcentration. The development of this PhD allowed him to integrate into 2 research projects funded by the Ministry of Education and Science, which were devoted to the development of chelating agents immobilized on inert supports for use in automated preconcentration and speciation of metal ions by using ion chromatography and ICP-AES and ETAAS techniques.

In May 2002 he joined Professor Miguel Valcárcel's group considered as a most international prestigious group working in automatization, miniaturization and nanotechnology in the Department of Analytical Chemistry of the University of Cordoba, with a post-doctoral fellowship during more than three years (2002-2005). During this period, Mohammed Zougagh participated in several research projects, emphasizing his collaboration in the projects on automation, simplification and quality of the processes of measurement in chemistry, as well as vanguard and rearguard analytical strategies, both projects funded by the Ministry of Education and Science. This allowed him to broaden his experience in the sample treatments, as well as the use of supercritical fluid extraction, liquid chromatography, gas chromatography, capillary electrophoresis and mass spectrometry techniques. He has also expanded his scientific experience in the automation field and the development of screening systems for rapid response.

In November 2005, he has jointed Professor Angel Rios' research group at the

University of Castilla-La Mancha (Analytical Chemistry area), within the Spanish Juan de la Cierva Research Programme, when he obtained a excellent evaluation by the National Agency of Evaluation and Prospective (ANEP) (91/100). In September 2007 he was positively evaluated by the National Agency for the Assessment of Quality and Accreditation (ANECA), as professor contracted doctor and assistant professor doctor.

Currently, Mohammed Zougagh dedicated part of its researches to Analytical Nanoscience and Nanotechnology. He is a member of the Organizing Committee in the V Workshop on Analytical Nanoscience and Nanotechnology (Toledo, September 2011), XX National Meeting of Spectroscopy and IV National Iberian Congress on Spectroscopy (Ciudad Real, September 2006), as well as in the I Workshop on Analytical Miniaturization ("lab-on - a-chip") to be held in Alcalá de Henares (July 2008).

In summary, during the whole of his career he has followed a postdoctoral stay during more than 7 years, four years in an international Spanish prestigious research group (the Professor Miguel Valcarcel's group, at the University of Cordoba), three years with the Juan de la Cierva contract with the professor Ángel Ríos at the University of Castilla-La Mancha and 1,5 months in the Foundation of University of Castilla-La Mancha. He has collaborated with more than 10 research groups such as Department of Analytical Chemistry of University of Málaga (Spain), Department of Analytical Chemistry and Chemical Engineering of University of Alcalá (Spain), Department of Analytical Chemistry and Instrumental Analysis of Autonomic University of Madrid (Spain), Department of Electric, Electronic, Automatic and Communications Engineering of University of Castilla-La Mancha (Spain), Department of Analytical Chemistry and Food Technology of University of Castilla-La Mancha (Spain), Department of Analytical Chemistry of University of Córdoba (Spain), Joint Research Unit on Molecular Genetic Markers of University of Córdoba (Spain), Department of Chemistry of University of Reims (France), Engineering Laboratory of National School of applied sciences of Agadir (Morocco) and Pesticides laboratory of agricultural and veterinary Institute of Agadir (Morocco). He has been a member in three research groups, and also he was involved in 20 research projects: 10 national projects funded by the Ministry of Education and Science (MEC), 6 autonomic projects funded by the Junta de Comunidades de Castilla-La Mancha (JCCM), 1 project funded by the Ministry of Environment (MMA) and 3 international projects funded by the Spanish Agency International Cooperation (AECI). He is the author of 3 book chapters and 48 research articles in prestigious journals in the area of Analytical Chemistry, 31 of which, he is the first author.