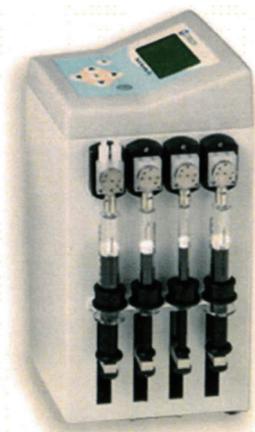


JAFIA Award for Technical Development was given to Sciware Systems, S.L. for “Development of Multi-Syringe Technology for Flow Analysis”



From Left to right: Prof. T.Imato, Alba González, Melisa Rodas, Víctor Cerdà, Laura Ferrer, Edwin Palacio and Sabrina Clavijo

SCIWARE SYSTEMS, S.L. is a Spin Off company of the University of the Balearic Islands. It is linked to the Group of Analytical Chemistry, Automation and Environment, the Laboratory of Environmental Analytical Chemistry and the Laboratory of Environmental Radioactivity, all of them from the University of the Balearic Islands (UIB).

The activities of SCIWARE SYSTEMS, S.L. are grouped in three lines:

1. Design, development, production and sale of innovative scientific instrumentation.
2. Consulting about analytical issues related with the Environment, including expertise reports.
3. Analytical assays, fundamentally applied to environmental parameters determination.

However, the main activity of SCIWARE SYSTEMS, S.L. is the design, development, production and sale of innovative scientific instrumentation for laboratory automation. SCIWARE SYSTEMS has an expert team in the development of devices for analytical instrumentation for laboratory automation. This guarantees the production of quality instruments and systems with a high added value. Some of these products are unique in the market.

The company's flagship product is the software AutoAnalysis. It is a very versatile and robust software that allows the coupling and automatic control of a large number of equipment, devices and instruments in flow analysis, of different brands. This software uses a dynamic link libraries (DLLs) system for coupling and controlling these equipment and data processing, allowing the development of smart systems.

SCIWARE SYSTEMS produces and commercializes

instruments for Flow Analysis, such as: automatic multisyringe burette, selection valves, peristaltic pumps, 3-way solenoid valves, micropump systems, autosamplers, and detectors, such as spectrophotometers and UV-visible radiation sources, potentiometers (pH-meter), conductometers, and chemoluminescent detectors.

SCIWARE SYSTEMS also produces a wide variety of commercial and personalized flow cells. These flow cells can be applied to gas diffusion, chemoluminescence, polarography, screen printed electrode, conductometry, etc. A large number of special devices for flow manifolds and electronic components such as cell holders, LASER and LED diodes, membrane optrodes, different way connectors, tubing and screws, flow mixing tank are also available in our website.

Other key products of the company are the personalized monolithic flow conductors such as Lab-On-Valve platforms, and Chip-On-Valves which integrate different steps of the analytical process such as sample pretreatment, reagent mixture and detection within the same miniaturized device.

SCIWARE SYSTEMS also commercializes compact systems designed for a specific analytical application, such as, an MSFIA-LOV system for ^{90}Sr determination in aqueous samples; and a MPFS- gas diffusion conductimetric system for the determination of ammonium and total inorganic carbon.

The instrumentation and devices commercialized by SCIWARE SYSTEMS are intended for worldwide research laboratories and chemical analysis services from different universities and research centers.

The Sciware team is composed by:

Prof. Dr. Víctor Cerdà was born in Palma de Mallorca, and made his BSC, MSC and PhD in the University of Barcelona. He began his teaching activity in the Universities of Barcelona, and later in Tarragona, Valladolid. Currently is Full professor of Analytical Chemistry in the University of the Balearic Islands (UIB). Has been advisor of 39 PhD, published 13 books, 14 book chapters, 533 research papers and 780 contributions in national and international conferences. Has been the organizer of more than 19 conferences, member of the editorial board of four analytical journals, founder and president of the Association of Environmental Sciences and Techniques, and founder of the UIB Spin-Offs Sciware and Sciware Systems. Has been Vice-president of the Spanish Society of Analytical Chemistry and Vice-chancellor of the UIB. Currently he is the head of the Laboratory of Environmental Analytical Chemistry (QA²) of the UIB and president of the Sciware System UIB Spin Off.

Dr. Laura Ferrer was born in La Plata (Argentina), and graduated from the National University of Mar del Plata (Argentina) in Biology. She obtained a PhD in Biological Sciences from the Southern National University (Argentina). She moved to Spain in 2001, where she completed her second PhD in Chemical Science and Technology from the University of the Balearic Islands. She has written five book chapters related to environmental monitoring. Dr. Ferrer has published more than 60 research articles and presented more than 90 contributions at international conferences related to the environment, automation, and radioactivity. She is the head of the Laboratory of Environmental Radioactivity (LaboRA) and member of the university Spin-off Sciware Systems, S.L. Dr. Ferrer is responsible for supervising a number of PhD and Master Theses candidates in the field of automation and environmental monitoring.

Dr. Sabrina Clavijo was born in Mérida – Venezuela,

and received her BSC (2006) and PhD (2012) from the Universidad de los Andes in Mérida – Venezuela. She is currently personal of the research and development department of Sciware Systems. She has published more than 15 articles and 22 contributions in national and international conferences.

Dr. Edwin Palacio received his Ph.D. and Master's in Environmental Sciences from Aix-Marseille University and a B.Sc. in Environmental Engineering from the National University of Colombia. He has published more than 10 research articles in international journals, co-inventor in 2 international patents and has presented more than 15 contributions in international conferences related with automation and environment. His research interests mainly focus on the development of automated methodologies of analysis for environmental monitoring.

Melisa Rodas of Guatemalan nationality made her master studies in the Laboratory of Environmental Analytical Chemistry Laboratory (LQA²) in Balearic Island University, thanks to a fellowship from Carolina Foundation and currently is making her PhD studies in Sciware Systems and the Environmental Radioactivity Laboratory (LaboRa) thanks to Spanish Ministry of Economy and Competitiveness (MINECO) for the allowance of an Industrial PhD fellowship.

Alba González was born in Palma de Mallorca, and made her BSC and MSc in the University of the Balearic Islands. She joined Sciware Systems in 2015 and is currently pursuing her PhD “Design and development of microfluidic systems for the determination of parameters of environmental interest” in the company.

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