



**Dräger** medical







agents Protect military and civil groups www.smithsdetection.com

"the interest caused by control of residue levels of pesticides, which can be found in water as a result of treatment of crops with such compounds, is widely known. "However, concern on detecting pharmaceutical residue, specifically antibiotic, is quite recent. The presence of these contaminants in fresh waters can cause a certain bacterial resistance or allergic reactions in the consuming population.

Innovative techniques

In order to achieve this, the study carried out by the UGR [http://www.ugr.es], used techniques that have not been much explored in these fields.

Cathodoluminiscence detection (CL) connected to Flow Injection Analysis (FIA) and High Performance Liquid Chromatography (HPCL), or Capillary Electrophoresis (CE) with UV/Vis detection using an online preconcentration technique in the capillary itself, or detection via Mass Spectometry (MS). MS can also unequivocally identify the analysed compounds. Research has been specifically based on carbamates, a widely used pesticide family, and on sulfonamides, a group of wide-spectrum antibiotics commonly used in medicine and veterinary science.

🛅 Lichtsignale bei höchsten Bitraten sichtbar 19.09.2007 | Physik Astronomie

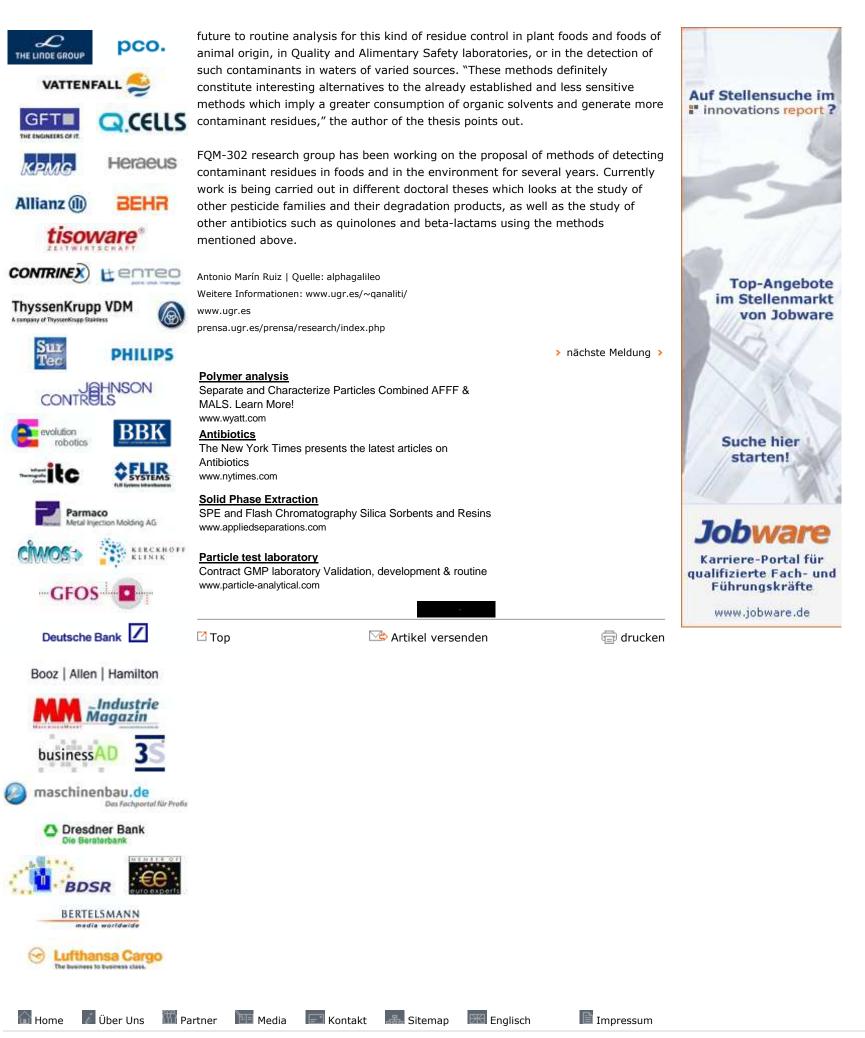
Triste Situation f
ür leer gefischte Ozeane

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