

Water Chemistry at the EBI

Annual Report of the Chair for Water Chemistry and the
DVGW Research Institute at the Engler-Bunte-Institut,
Universität Karlsruhe (TH)

2008

Dear colleagues and friends,

enclosed you will find the traditional report of the Chair of Water Chemistry through which my coworkers and I want to give you an impression of our activities.

The year 2008 was strongly influenced by the coming together of the University and the Forschungszentrum Karlsruhe (FZK) to form the Karlsruhe Institute of Technology (KIT). The Chair of Water Chemistry and the DVGW-Forschungsstelle take an active part in the KIT, e. g. in the field of competence "Hydrosphere and Environmental Engineering" and in the area of competence "Earth and Environment". Here we are in charge of preparing a Postgraduate Program "Zukunftsorientierte Wassernutzung". In the field of competence "Chemical and Thermal Process Engineering" we coordinate topics concerning membrane technology.

Besides all these new tasks we of course have to manage the classical every day duties. In the fall of 2008 we said goodbye to the first graduates of the International Master Course "Utilities and Waste". This course, mainly coordinated by the Engler-Bunte-Institute, is a great success and also gets a very good international response.

On the national level, the programs offered by our faculty obviously also have the favor of the students. For the Winter term 2008/09 we had originally 581 applicants. The capacity of our faculty does only allow the acceptance of about 200 beginners for the Chemical Engineering courses and 40 for the Bio Engineering courses. So we are practically overbooked, what is nice on the one hand, but we have to use all our teaching and laboratory resources, which have been decreasing over the last years, and this is a real problem on the other hand.

Fortunately, there is other good news which I want to share with you. In the year of the Olympic Games not only sportsmen went for gold. My congratulations go to Thomas Glauner who received the Willy-Hager-Prize of the DECHEMA and the Environmental Award of the Sparkassen-Foundation, both for

his excellent dissertation on "Aufbereitung von Schwimmbeckenwasser - Bildung und Nachweis von Desinfektionsnebenprodukten und ihre Minimierung mit Membran- und Oxidationsverfahren". Heiko Schwegmann won a poster price of the Water Chemical Society and Luis Tercero obtained a travel award and the prestigious Ron Malcolm Award of the International Humic Substances Society. Finally, our soccer team got the gold medal in the annual championship of the in water specialized institutions of Germany.

Besides the recognition of our stars there was of course the high level teaching, research, publishing and consulting work of the whole team. We proudly present some of the projects on the following pages.

Each good harvest should end by giving thanks. My coworkers and I want to thank all our partners for the interest and help they gave. There are several companies, the state of Baden-Württemberg, several research agencies and numerous friends who keep in touch with us.

With all good wishes and best regards,

Fritz H. Frimmel



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