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**Aktywność naukowa:**

Electrochemical and erosion – corrosion study of carbon steel in fracturing fluid

**Aktywność dydaktyczna**:

Laboratory of general chemistry - first year of the Faculty of Foundry AGH.

Laboratory of physical chemistry - second year of the Faculty of Foundry AGH.

Laboratory of general chemistry - first ​​year of the Faculty of Mechanical Engineering and Robotics, AGH.

Laboratory of selected aspects of corrosion - second year of the Faculty of Foundry AGH.

**Publikacje za stanie**:

## G. Palumbo, J. Banaś, A. Bałkowiec, J. Mizera, U. Lelek-Borkowska, Electrochemical study of the corrosion behaviour of carbon steel in fracturing fluid. Jounal solid state electrochemistry, 2014, DOI 10.1007/s10008-014-2430-2.

* G. Palumbo, U. Lelek-Borkowska, J. Banaś: Corrosion tests of structural steel in the fracturing fluids used in shale gas extraction. Ochrona przed koroja, 11/2013
* M. Gruszka, M. Bisztyga, U. Lelek-Borkowska, A. Łukaszczyk, G. Palumbo, J. Banaś. Preliminary studies on the use of impedance methods in the evaluation of the resistance of construction and alloy steel for biofi lm formation and microbiological corrosion, 11/2013.
* F. Scenini, G. Palumbo, N.Stevens, A. Cook, S. Lyon, . Electrokinetic and Electrochemical Corrosion Studies Related to Crud Formation, 2012: eScholarID:150761, 2012

### Staże zagraniczne:

February 2011 – June 2012 pod-doc research associate at Materials Performance Centre, University of Manchester.

November 2007 - December 2010, Scholarship for Ph.D. in Materials and Structures Engineer at the Department of Material Engineer, University of Naples and Corrosion Protection Centre, University of Manchester.

January 2006 – December 2006, Scholarship by “GAteway for Science and Technology, Venice” Master in chemistry and technology of macromolecular materials, Department of Chemical and Process Engineering.