

Professor Barbara Pacewska

Selected scientific publications since 2000

1. **Pacewska B.**, Bukowska M., Wilińska I., Swat M., Modification of the properties of concrete by a new pozzolan. A waste catalyst from the catalytic process in a fluidized bed, *Cement and Concrete Research*, **32** (2002) 145-152
2. **Pacewska B.**, Wilińska I., Bukowska M., Nocuń–Wczelik W., Effect of waste aluminosilicate material on cement hydration and properties of cement mortars, *Cement and Concrete Research*, **32** (2002) 1823-1830
3. Bukowska M., Królikowski A., **Pacewska B.**, Wilińska I., Wpływ roztworu $MgSO_4$ na porowatość i zdolności pasywujące zapraw cementowych z dodatkiem pucolanowym. Część I. Badania potencjodynamiczne, *Cement-Wapno-Beton*, 2002, nr 2, s. 67-71
4. **Pacewska B.**, Keshr M., Thermal transformations of aluminium nitrate hydrate, *Thermochimica Acta*, **385** (2002) 73-80
5. **Pacewska B.**, Szychowski D., Kluk O, Adsorption and structural properties of mineral–carbon sorbents, *Journal of Thermal Analysis and Calorimetry*, **67** (2002) 773-787
6. **Pacewska B.**, Wilińska I., Bukowska M., Swat M., Utilización de los catalizadores residuales de un lecho fluidizado de craqueo catalítico (FBCC) como un buen microfiller activo de los materiales cementicios, *Cemento Hormigón*, **848** (2003) 18-32
7. Bukowska M., **Pacewska B.**, Wilińska I., Influence of spent catalyst used for catalytic cracking in fluidized bed on sulphate corrosion of cement mortars. I. Na_2SO_4 medium, *Cement and Concrete Research*, **34** (2004) 759 – 767
8. **Pacewska B.**, Bukowska M., Wilińska I., Swat M., Resistencia a la corrosión de los materiales con cemento con adición de un residuo de la industria petroquímica, *Cemento Hormigón*, **883** (2005) 4-14
9. **Pacewska B.**, Szychowski D., Zastosowanie metod adsorpcyjnych do oceny właściwości hydrofilowo-hydrofobowych sorbentów mineralno-węglowych, *Przemysł Chemiczny*, **85** (2006) 171-176
10. **Pacewska B.**, Kluk-Płoskońska O., Szychowski D., Influence of aluminium precursor on physico-chemical properties of aluminium hydroxides and oxides. Part I. $AlCl_3 \cdot 6H_2O$, *Journal of Thermal Analysis and Calorimetry*, **85** (2006) 351–359
11. **Pacewska B.**, Kluk-Płoskońska O., Szychowski D., Influence of aluminium precursor on physico-chemical properties of aluminium hydroxides and oxides.

- Part II. $\text{Al}(\text{ClO}_4)_3 \cdot 9\text{H}_2\text{O}$, *Journal of Thermal Analysis and Calorimetry*, **86** (2006) 751–760
12. **Pacewska B.**, Kluk-Płoskońska O., Szychowski D., Influence of aluminium precursor on physico-chemical properties of aluminium hydroxides and oxides. Part III. $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$, *Journal of Thermal Analysis and Calorimetry*, **87** (2007) 383–393
13. **Pacewska B.**, Kluk-Płoskońska O., Szychowski D., Influence of aluminium precursor on physico-chemical properties of aluminium hydroxides and oxides. Part IV. $\text{Al}(\text{OH})(\text{CH}_3\text{COO})_2$, *Journal of Thermal Analysis and Calorimetry*, **90** (2007) 3, 783–793
14. **Pacewska B.**, Wilińska I., Blonkowski G., Investigations of cement early hydration in the presence of chemically activated fly ash. Use of calorimetry and infrared absorption methods, *Journal of Thermal Analysis and Calorimetry*, **93** (2008) 769-776
15. **Pacewska B.**, Wilińska I., Bukowska M., Calorimetric investigations of the influence of waste aluminosilicate on the hydration of different cements, *Journal of Thermal Analysis and Calorimetry*, **97** (2009) 61-66
16. **Pacewska B.**, Nowacka M., Wilińska I., Kubissa W., Antonovich V., Studies on the influence of spent FCC catalyst on hydration of calcium aluminate cements at ambient temperature, *Journal of Thermal Analysis and Calorimetry*, **105** (2011) 129 – 140
17. **Pacewska B.**, Wilińska I., Nowacka M., Studies on the influence of different fly ashes and Portland cement on early hydration of calcium aluminate cement, *Journal of Thermal Analysis and Calorimetry*, **106** (2011) 859 – 868
18. Wilińska I., **Pacewska B.**, Calorimetric and thermal analysis studies on the influence of waste aluminosilicate catalyst on the hydration of fly ash–cement paste, *Journal of Thermal Analysis and Calorimetry*, **116** (2014) 689–697
19. Kubissa W., **Pacewska B.**, Wilińska I., Comparative investigations of some properties related to durability of cement concretes containing different fly ashes, *Advanced Materials Research*, **1054** (2014) 154-161
20. **Pacewska B.**, Wilińska I., Comparative investigations of influence of chemical admixtures on pozzolanic and hydraulic activities of fly ash with the use of thermal analysis and infrared spectroscopy, *Journal of Thermal Analysis and Calorimetry*, **120** (2015) 119 – 127
21. Kledyński Z., Machowska A., **Pacewska B.**, Wilińska I., Investigation of hydration products of fly ash–slag pastes, *Journal of Thermal Analysis and Calorimetry*, **130** (2017) 351-363
22. Nowacka M., **Pacewska B.**, Wpływ metakaolinu na wczesną hydratację cementu glinowo-wapniowego, *Przemysł Chemiczny*, **96** (2017) 770-774

23. Wilińska I., **Pacewska B.**, Zastosowanie kalorymetrii w badaniach wstępnych aktywowanych mieszanek popiołowo-cementowych, *Przemysł Chemiczny*, **96** (2017) 761-765
24. Wilińska I., **Pacewska B.**, Influence of selected activating methods on hydration processes of mixtures containing high and very high amount of fly ash. A review, *Journal of Thermal Analysis and Calorimetry*, **133** (2018) 823-843