

# PIOTR JUSZCZYK

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## PERSONAL INFORMATION

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- **Date and place of birth:** November 09, 1972; Wrocław, Republic of Poland
- **Nationality:** Polish

## EDUCATION

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**PhD Studies** *specialization in biotechnology* **10.1997 – 05.2002**

Department of Biotechnology and Food Microbiology,  
Agricultural University of Wrocław, Wrocław, Republic of Poland  
**PhD thesis:** Characterization of yeast microflora of blue-veined cheese  
Scientific advisor: Prof. Maria Wojtatowicz

**MSc** at the Faculty of the Food Technology and Human Nutrition **03.1996 – 07.1997**

Department of Biotechnology and Food Microbiology  
Agricultural University of Wrocław, Wrocław, Republic of Poland  
Scientific advisor: Regina Stempniewicz, ScD  
*Specialization: Food Biotechnology*

**BSc** at the Faculty of the Food Technology **10.1992 – 02.1996**

Agricultural University of Wrocław, Wrocław, Republic of Poland

## WORK EXPERIENCE

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**10.2002 – present**

Department of Biotechnology and Food Microbiology, Wrocław University of  
Environmental and Life Sciences  
Assistant Professor

**09.2011 – 09.2013**

Wrocław University of Environmental and Life Sciences  
Coordinator of Biotechnology study

**10.2001-09.2002**

Department of Biotechnology and Food Microbiology, Wrocław University of  
Environmental and Life Sciences  
Senior lecturer

## FIELDS OF INTEREST

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Biotechnology and food microbiology

## SPECIALISED IN

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Yeast biotechnology, SCP, overproduction of citric acid and polyols, process optimization and kinetics, strain selection, improvement and maintenance.

## TEACHING EXPERIENCE

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- **Lectures:** Nonconventional processes in biotechnology, Biotechnology of fungi.
- **Laboratory classes in:** Biochemistry, General microbiology, Food microbiology, Industrial biotechnologies, Apparatus biotech industries, Biotechnology of Microorganisms, Biotechnological Methods in Environmental Protection.

## MAIN PUBLICATIONS

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- Wojtatowicz M., Chrzanowska J., **Juszczuk P.**, Skiba A., Gdula A., 2001: Identification and biochemical characteristics of yeast microflora of Rokpol cheese; *International Journal of Food Microbiology* 69, 135-140. (32)
- Chrzanowska J., Szoltysek M., Żarowska B., **Juszczuk P.**, Wojtatowicz M., 2003: Microbiological and physicochemical characteristics of Rokpol cheese during ripening; *Milchwissenschaft*, 58 (9/10), 505-508.
- Żarowska B., Wojtatowicz M., Połomska X., **Juszczuk P.**, Chrzanowska J., 2004: Factors affecting killer activity of some yeast species occurring in Rokpol cheese; *Folia Microbiologica*, 49 (6), 713-117.
- **Juszczuk P.**, Wojtatowicz M., Żarowska B., Chrzanowska J., Malicki A., 2005: Growth and sporulation of *Penicillium roqueforti* strains in the presence of yeasts selected as co-starters for cheese production; *Electronic Journal of Polish Agricultural Universities, Biotechnology*, volume 8, Issue 1. Online <http://www.ejpau.media.pl/series/volume8/issue1/biotechnology/art-01.html>.
- **Juszczuk P.**, Wojtatowicz M., Żarowska B., Chrzanowska J., Malicki A., 2005: Diversity of physiological and biochemical properties within yeast species occurring in Rokpol cheese, *Polish Journal of Food and Nutrition Sciences*, 4 (55), 37-41.
- Rymowicz W., Rywińska A., Żarowska B., **Juszczuk P.**, 2006: Citric acid production from Raw glycerol by acetale mutants of *Yarrowia lipolytica*, *Chemical Papers* 60 (5) 391-394.
- Połomska X., **Juszczuk P.**, Cadež N., Raspor P., Robak M., Wojtatowicz M., 2007: Comparison of physiological and PCR-RFLP rDNA identification of yeast species commonly found in cheese; *Polish Journal of Food and Nutrition Sciences*, 57 (2), 221-226.
- Rywińska A., Witkowska D., **Juszczuk P.**, Rymowicz W., Kita A., 2008: Waste frying oil as a substrate for lipaseproduction by *Geotrichum candidum* strains, *Polish Journal of Environmental Studies*, 17, 6, 925-931.
- **Juszczuk P.**, Rymowicz W. Characterization of microbial biomass production from glycerin waste by various yeast strains. Chapter 9, In: *Microbial bioconversions of raw glycerol*. Ed. George Aggelis. 2009 Nova Science Publishers, Inc., 125-135.
- Rywińska A., **Juszczuk P.**, Wojtatowicz M., Rymowicz W., 2011. Chemostat study of citric acid production from glycerol by *Yarrowia lipolytica*. *Journal of Biotechnology*, 152 (1-2), 54-57.
- Rywińska A., **Juszczuk P.**, Wojtatowicz M., Robak M., Lazar Z., Tomaszewska L., Rymowicz W. Glycerol as a promising substrate for *Yarrowia lipolytica* biotechnological applications. 2013, *Biomass and Bioenergy*, 48, 148-166.
- **Juszczuk P.**, Tomaszewska L., Kita A., Rymowicz W. Biomass production by novel strains of *Yarrowia lipolytica* using raw glycerol, derived from biodiesel production. *Bioresource Technology*, 2013, 137,124-31.