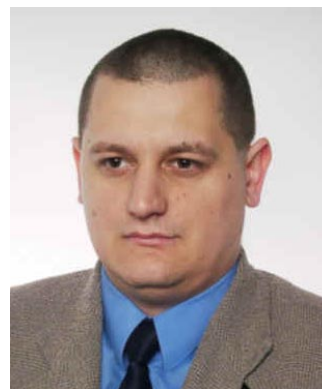


Jacek Nowaczyk's Resume

Jacek Nowaczyk, Ph. D.
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Employment objective

My goal is to work in position that takes advantage of my skills and education, that can give me opportunity to develop myself, in field of chemistry or polymers.

Education

- 1) Ph.D. in Chemistry, Dissertation topic: "Transport and separation of propionic and acetic acid in a complex membrane system", Nicolaus Copernicus University, Torun, November 2000
- 2) M. Sc. in Chemistry Faculty of Chemistry, Nicolaus Copernicus University, Torun, June 1996
- 3) Technician in Chemical Technology and High School Diploma, Technical Secondary School of Chemistry, Poznan, June 1989

Employment experience

Academic Teacher/Researcher, Department of Physical Chemistry, Faculty of Chemistry, Nicolaus Copernicus University, Torun. October 1999 to the present.
Research in field of polymer degradation processes caused by ozone. Member of research group involved in synthesis and characterization of conducting polymers.
Teaching experience (see below).

Shift master, Clay-preparation Department, Porcelana Chodziez S.A. August 1989 to September 1991.

Technical supervises of working team. Care of proper clay technological properties
Ended by side agreement, due to beginning stationary Study of Chemistry.

Teaching experience

Laboratory teacher; Faculty of Chemistry, Nicolaus Copernicus University Torun.

Full teaching responsibility for laboratory classes in courses of:

- Polymer Synthesis and Modifications (165 h)
- Physical Chemistry (300 h)
- Polymer Material Science and processing (75 h)
- Polymer processing and recycling (30 h)

Classes Tutor; Faculty of Chemistry, Nicolaus Copernicus University Torun.

- Utilisation of Electronic Information Technologies in Chemistry (270 h)
- Information Electronic technologies for the Teachers (300 h)

Classes Tutor; courses outside the University.

- Introduction to Computer Graphics (120)
- Operating systems, and Office Software for the Beginners. (30)
- Materials preparations techniques for the Printing House (150)

Electronic Information Technologies Skills

Operating systems: MS-DOS, Windows 3.x/9x/NT/2000 (including system administration), UNIX – user.

Office Software: MS Office (advanced user, experience in teaching) SUN Star Office (user).

Specific Chemical Software: PE Spectrum for Windows, PE Grams Research 3.01, HyperChem, Chem Office, ACD Labs, Gamess, Gaussian.

Internet: Teaching of use the Electronic Mail, Telnet, www (MS Internet Explorer, Netscape Navigator); authoring www documents using HTML;

Other: Graphic Design, Page Layout, Editing, Fast learning new software utilization.

Language Skills

Polish – Native Fluency

English – Competent Reading and Speaking

Russian – Satisfactory Reading, poor Speaking.

Professional Skills

Liquid Chromatography (HPLC) – 60 hour practical course.

Nuclear Magnetic Resonance Spectroscopy (NMR) – spectra interpretation

Infra Red Spectroscopy (FTIR) – practical use and spectra interpretation (especially for polymers).

Electro separation Analytical Techniques: Electrophoresis – practical course,
Isotachophoresis – 5 years practical use.

Standard Quantitative Analytical Techniques (i.e. varied titration methods, conductometry, UV-Vis spectroscopy).

Professional activities

I. Professional training and courses

1. Regional Course in Membrane Processes Module I – Torun, February 1995;
2. Regional Course in Membrane Processes Module II – Bratislava, July 1995;
3. Training in Capillary Electro separation Methods at Eindhoven University of Technology (prof. H. A. Claessens), May – August 1997;
4. Training in polymer recycling technology at University Kassel (prof. A. K. Bledzki) September 2001;

II. Research Projects execution participation

1. „Opracowanie metody separacji kwasów karboksylowych – produktów fermentacji naturalnej techniką zintegrowanych układów membranowych” (en.: New method for carboxylic acids, products of fermentation processes, separation utilizing integrated membrane systems.) 1995 to 1997. Grant KBN: No. 2 P303 095 07, co-ordinated by: prof. A. Narebska.
2. „Nowe zintegrowane układy membranowe z przenośnikami makrocząsteczkowymi” (en.: „New integrated membrane systems with macromolecular carriers”) 1998 to 1999. Grant KBN: Nr: 3 T09A 107 14 coordinated by: prof. R. Wodzki.

III. Scientific Conferences Participation

- 1) Annual Conference of Polish Chemical Society, Lublin, September 1995
- 2) XIth Symposium of Physicochemical Methods for mixtures separation “Ars Separatoria”
Minikowo, June 1996
- 3) Annual Conference of Polish Chemical Society, Poznan, September 1996

- 4) IVth National Chromatography Seminar, Torun, September 1997
- 5) IInd National Scientific Conference. Membranes and Membrane Processes in Environmental Protection, Ustron-Jaszowiec, October 1997
- 6) International Symposium "Chemical Forum", Warszawa 1998
- 7) Vth National Chromatography Seminar, Torun, September 1998
- 8) International Symposium "Chemical Forum", Warszawa 1999
- 9) Gliwickie Seminarium Polimerowe '99, Gliwice 1999
- 10) XIVth International Symposium "Ars Separatoria" Gniew 1999
- 11) International Symposium "Chemical Forum", Warszawa 2000
- 12) International Symposium "Chemical Forum", Warszawa 2001

IV. Publications

- 1) Membrane transport of organics I. Sorption and permeation of carboxylic acids in perfluorosulfonic polymer membranes, R. Wódzki, J. Nowaczyk, J.Appl.Polym.Sci., 63 (1997) s. 355-362.
- 2) Extraction and separation of propionic and acetic acid by permeation in a hybrid membrane systems composed of liquid and ion-exchange polymer membranes, R. Wódzki, J. Nowaczyk, Solv.Extr.Ion Exch., 15(6) (1997) 1085-1106.
- 3) Wielomembranowy układ hybrydowy. Właściwości TOA TOPO i TBP w transporcie i separacji kwasu propionowego i octowego. R. Wódzki, J. Nowaczyk, Materials of IInd National Scientific Conference. Membranes and Membrane Processes in Environmental Protection, Ustron-Jaszowiec, October 1997, Ed. M. Bodzek, s. 315-321.
- 4) Membrane transport of organics II. Permeation of some carboxylic acids through strongly-basic polymer membrane. R. Wódzki, J. Nowaczyk, J.Appl.Polym.Sci. 71 (1999) s. 2179-2190.
- 5) Właściwości membran kationo- i anionowymiennych w transporcie kwasu octowego i propionowego. J. Nowaczyk, R. Wódzki, Z. Nauk. Pol. Śl., Chemia z. 140: (1999) 229-233
- 6) Separation of propionic and acetic acid by pertraction in a multimembrane hybrid system. R. Wódzki, J. Nowaczyk, M. Kujawski, Separation and Purification Technology. 21 (2000) 39-54
- 7) Membrane transport of organics III. Permeation of some carboxylic acids through bipolar polymer membrane. R. Wódzki, J. Nowaczyk, J.Appl.Polym.Sci. 80 (2001) s. 2705-2717.

- 8) Propionic and acetic acid pertraction through a multimembrane hybrid system containing TOPO or TBP. R. Wódzki, J. Nowaczyk, Separation and Purification Technology. 26 (2002) 207–220 .

Other Areas of Activity

Poetry:

In autumn 1999 I've published a few poems in PAL (Torun) and in AKANT (Bydgoszcz)

Preparation of books for the printing house:

- ISBN 83-231-0937-0
- ISBN 83-231-1102-2
- ISBN 83-231-1285-1

Honours and Awards

- 1) Honourable mention in W. Pietrzak poetical contest, Poznan 1989.
- 2) Honourable mention in poetical contest “Green Pens”, Poznan 1989.
- 3) IInd Degree Distinction of Nicolaus Copernicus University Rector for Scientific Activity, December 2001.

Vital Stats

Born: 19 January 1969

Military Service: spring 1990 to autumn 1991

Married: 24 August 1996

Jacek Nowaczyk