

## Grants obtained since 1993

Department of organic chemistry  
Faculty of Chemical Technology  
University of Pardubice

GAČR 203/93/2065 - *Synthesis and structure of some azodyes*  
(Prof. Dr. Vladimír Macháček, D.Sc. as co-worker)

GAČR 203/94/0122 - *Study of substituent and solvent effects of organic compounds*  
(Prof. Dr. Oldřich Pytela, D.Sc. as chief worker)

GAČR 203/94/0123 - *Cyclization reactions of N-acyl- $\alpha$ -aminoamides*  
(Prof. Dr. Vladimír Macháček, D.Sc. as chief worker)

FRVŠ 0168 – *Inovation of equipment of organic elemental analysis laboratory*  
(Prof. Dr. Vladimír Macháček, D.Sc. as chief worker)

GAČR 203/96/0123 - *NMR study of some azodyes*  
(Prof. Dr. Vladimír Macháček, D.Sc. as co-worker)

GAČR 203/97/0025 - *Polycarboxylic acids and polyamines*  
(Prof. Dr. Oldřich Pytela, D.Sc. as co-worker)

GAČR 203/97/0545 - *Study of base catalyzed reactions leading to heterocyclic compounds*  
(Prof. Dr. Vladimír Macháček, D.Sc. as chief worker)

GAČR 203/97/0924 - *Trace analysis of toxic PCB and pesticides using detection and separation methods based on anti-substance specificity*  
(Dr. Jaromír Socha as co-worker)

GAČR 203/97/P095 - *Study of ortho-disubstitution on anilines*  
(Dr. Jiří Kulhánek as chief worker)

GAČR 203/98/0602 - *Experimental study of ortho effect in selected organic models*  
(Prof. Dr. Oldřich Pytela, D.Sc. as chief worker)

203/98/0597 - *Synthesis and study of properties of new potential herbicides*  
(Dr. Jaromír Socha as chief worker)

GAČR 203/00/1240 - *New, steric hindered and unsaturated Fischer carbene complexes of chromium and iron: Physical-chemical properties and reactivity*  
(Assoc. Prof. Dr. Miroslav Ludwig as co-worker)

GAČR 203/01/1093 - *The effect of electron distribution on the oxime reactivity towards esters*  
(Prof. Dr. Oldřich Pytela, D.Sc. as co-worker)

GAČR 203/01/0227 – *Intramolecular nucleophilic substitution. Extremely steric acceleration at reaction of carbanion with electrophilic centre*  
(Prof. Dr. Vladimír Macháček, D.Sc. as chief worker)

GAČR 203/01/1093 - *Electronic distribution control on reactivity of oximes toward esters*  
(Prof. Dr. Oldřich Pytela, D.Sc. as co-worker)

GAČR 203/02/0750 - *Derivatives of 2-Phenylimidazole as Potential Catalysators of Asymmetric Synthesis*  
(Prof. Dr. Oldřich Pytela, D.Sc. as chief worker)

FRVŠ 311612/2001 - *Enhancement of education of postgradual students in using of NMR*  
(Kateřina Dudová, M.Sc. as chief worker)

GAČR 203/02/D170 - *Intramolecular nucleophilic substitution. Kinetics and mechanism of tandem recyclization reaction.* (Dr. Jiří Hanusek as chief worker)

GAČR 104/03/0393 - *Synthesis of some azo dyes in ionic liquids.*  
(prof. Dr. Vladimír Macháček as co-worker)

GAČR 203/03/0365 - *Tautomerism and Hydrogen Bonding in b-Enaminone Derivatives. Multinuclear NMR and X-Ray Study.* (prof. Dr. Vladimír Macháček as chief worker)

FR330230 - *Kinetics of Very Fast Reactions - Advanced Measurement Within PhD Study.*  
(Pavel Drabina, M.Sc. as chief worker)

GAČR 203/04/0646 - *New ligands and complexes of mono- and bis(imidazolyl)pyridines: Synthesis, characterization, properties* (Assoc. Prof. Dr. Miloš Sedlák as chief worker)

FRVŠ 976 - *Innovation of student's laboratory of organic chemistry.* (2006, Assoc. Prof. Dr. Jiří Kulhánek as chief worker)

GAČR 203/06/0583 *New conjugates of poly(ethyleneglycoles) with antimycotic activity.* (Assoc. Prof. Dr. Miloš Sedlák as co-worker)

GAČR 203/07/0469 – *Utilisation of polarised ethylenes in synthesis of heterocycles and host-guest complexes.* (prof. Dr. Vladimír Macháček as chief worker)

FRVŠ 25/2007 – *Vacuum and Evaporation Equipment for Student's Organic Chemistry Laboratory.* (Assoc. Prof. Dr. Jiří Hanusek as chief worker)

GAČR 203/07/P013 - *Nonracemic Nitrogen Ligands Based on Imidazole - Potencial Catalysts of Asymmetric Reactions.* (2007, Dr. Filip Bureš as chief worker).