

## Recently published doctoral theses

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**Title** **Preparation and characterization of chitosan-containing hydrogel beads for immobilization of candida rugosa lipase with high retention of its hydrolytic activity**

**Author** Ibrahim Alasarra

**Key words** Biotechnology, hydrogels, liophilization, macromolecules, natural polymers, poly-saccharides

**Supervisor** Steven Neau

**Institution** University of Missouri – Kansas City, School of Pharmacy, Kansas City, MO, USA

**Language** English

**Price** Unknown

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**Title** **Synthetic modifications of antifungally active derivatives of incrustopore**

**Author** Vojtech Balsánek

**Key words** Drug synthesis, natural products, in vitro assay, NMR, fungi

**Supervisor** Jiri Kunes

**Institution** Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic

**Language** Czech

**Price** Free of charge

**Address for ordering** Charles University, Faculty of Pharmacy, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic

**Fax/e-mail** +420 49 5514330 / kunes@faf.cuni.cz

**Title** **Microspheres for definitive therapeutic embolization**

**Author** Vincent Boudy

**Key words** Microparticles, biomaterials, controlled drug delivery, dissolution, targeted delivery, mathematical modelling

**Supervisor** Jean-Claude Chaumeil

**Institution** University of Paris XI, School of Pharmacy, Châtenay-Malabry, France

**Language** French

**Price** Free of charge

**Address for ordering** Laboratoire de galénique, Faculté de pharmacie de l'Université de Paris V, Rue de l'Observatoire 6, CH-75006 Paris, France

**Fax/e-mail** +33 1 53739771

**Title** **Relationships between the structure and antimycobacterial activity of 4-substituted salicylanilides and adequate 3-aryl-2H-1,3-benzoxazine-2,4-diones and their sulphur derivatives**

**Author** Otakar Bures

**Key words** Drug synthesis, mycobacteria, in vitro assay, QSAR, salicylanilides, benzoxazines

**Supervisor** Karel Waisser

**Institution** Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic

**Language** Czech

**Price** Unknown

**Address for ordering** Charles University, Faculty of Pharmacy, Department of Inorganic and Organic Chemistry, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic

**Fax/e-mail** waisser@faf.cuni.cz

**Title** **Derivatives of quinazoline isosteric with antitubercular 1,3-benzoxazine-2,4(3H)-diones**

**Author** Hynek Dostál

**Key words** Drug synthesis, mycobacteria, in vitro assay, QSAR

**Supervisor** Karel Waisser

**Institution** Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic

**Language** Czech

**Price** Unknown

**Address for ordering** Charles University, Faculty of Pharmacy, Department of Inorganic and Organic Chemistry, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic

**Fax/e-mail** Hynek.dostal@uhk.cz

**Title** **Antimalarial iron chelators**

**Author** Foluke Fakorede

**Key words** Iron chelators, hydroxypyridinones, malaria, red blood cells, iron pods

**Supervisor** Robert C. Hider

**Institution** King's College London, London, U.K.

**Language** English

**Price** Unknown

**Address for ordering** Prof. Robert C. Hider, King's College London, Chelsea Campus, Manresa Road, London SW3 6LX, U.K.

**Fax/e-mail** Not available

Title	<b>Interlaboratory comparison of tests as a tool for rational approach to diagnosis of pathobiochemical processes</b>	Title	<b>Evaluation of biodegradable polymer microspheres and an anionic dendrimer for the potential delivery of antisense oligonucleotides</b>
Author	Bedrich Friedecký	Author	Majad Hussain
Key words	Analytical chemistry, clinical investigation, in vitro/in vivo correlation, statistics	Key words	Nucleic acids, 5-fluorouracil, epidermal growth factor receptor, poly(lactide-Co-glycolide), dendrimers
Supervisor	Vladimír Palicka	Supervisor	Saghir Akhtar
Institution	Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic	Institution	Aston University, Birmingham, UK
Language	Czech	Language	English
Price	Unknown	Price	May be borrowed at a charge
Address for ordering	Charles University, Faculty of Pharmacy, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic	Address for ordering	The British Library, Document Supply Centre, Thesis Orders (RMS) Boston Spa, Wetherby, West Yorkshire, LS23 7BQ, United Kingdom
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Title	<b>Studies on formulation rational and quality assessment of some indigenous medicinal preparations</b>	Title	<b>Targeted liposomal drug delivery by macrophages and/or monocytes</b>
Author	Suniket Fulzele	Author	Lucie Keeber
Key words	Biomaterials, coating, biodegradable polymers, natural polymers, microcapsules.	Key words	Drug delivery, drug targeting, liposomes, targeted delivery
Supervisor	Avinash Dorle	Supervisor	Joan Taylor
Institution	Nagpur University Campus, Department of Pharmaceutical Sciences, Nagpur, India	Institution	De Montfort University, Leicester, GB
Language	English	Language	English
Price	Unknown	Price	Unknown
Address for ordering	Department of pharmaceutical Sciences, Nagpur University Campus, Nagpur 440010, India	Address for ordering	
Fax/e-mail	fsuniket@yahoo.com	Fax/e-mail	mjt@dmu.ac.uk
Title	<b>Relationship between the structure and antimycobacterial activity of 5-substituted salicylanilides and adequate 3-aryl-2H-1,3-benzoxazine-2,4-diones and their sulfur derivatives</b>	Title	<b>Toxicity of xanthium spinosum of Czech provenience</b>
Author	Pavel Holý	Author	Jana Klecaková
Key words	Drug synthesis, mycobacteria, in vitro assay, QSAR, salicylanilides, benzoxazines	Key words	Bioassay, natural products, phytochemistry, toxicity
Supervisor	Karel Waisser	Supervisor	Ludek Jahodár
Institution	Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic	Institution	Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic
Language	Czech	Language	Czech
Price	Unknown	Price	Inter-library loan service
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Title	<b>Immunomodulation of jasmonate functions</b>	Title	<b>Factors affecting adhesion behaviour of tablet film coats</b>
Author	Petra ten Hoopen	Author	Kieran Lennon
Key words	Jasmonic acid, 12-oxo-phytodienoic acid, single-chain variable fragment, immunomodulation	Key words	Adhesion, coating, excipients, solid formulation, tablets
Supervisor	Udo Conrad	Supervisors	Andrew Twitchell and Mike Aulton
Institution	Department of plantgenetic and research for cultivated plants, Gatersleben	Institutions	De Montfort University, Leicester, GB
Language	English	Language	English
Price	Free of charge	Price	Unknown
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany	Address for ordering	
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Title	<b>Expression of scFv-antibodies against the fungicide kresoxim-methyl in transgenic tobacco plants</b>	Title	<b>Regulation and manipulation of tropane alkaloid biosynthesis in atropa belladonna l.</b>
Author	Michael Leps	Author	Grit Rothe
Key words	Kresoxim-methyl (BAS-490F), scFv-antibody, immunomodulation, tolerance by means of transgene, Elastin-like polypeptide, nicotiana tabacum	Key words	Hyoscyamine, calystegines, atropa bella-donna, transformation, cultivation
Supervisor	Conrad Udo	Supervisor	Birgit Dräger
Institution	Department of plantgenetic and research for cultivated plants, Gatersleben	Institution	Martin-Luther-Universität, School of Pharmacy, Weinberg, D
Language	German	Language	German
Price	Free of charge	Price	Free of charge
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany	Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany
Fax/e-mail	+49 345 5527029	Fax/e-mail	+49 345 5527029
Title	<b>Pharmacokinetics and pharmacodynamics of selected immunomodulatory agents</b>	Title	<b>Using HPLC for determination of natural products</b>
Author	Donald Mager	Author	Radek Sladkovský
Key words	Animal study, clinical investigation, immunoassay, pharmacodynamics, pharmacokinetic modelling, pharmacokinetics	Key words	Analytical chemistry, natural products, HPLC, phytochemistry
Supervisor	William J. Jusko	Supervisor	Petr solich
Institution	University at Buffalo, Buffalo, USA	Institution	Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic
Language	English	Language	Czech
Price	USD 37.-- / USD 75.--	Price	Free of charge
Address for ordering	University Microfilms, Inc. (UMI), 300 North Zeeb Road, P.O. 1346, Ann Arbor, Michigan 48106-1346, USA	Address for ordering	Charles University, Faculty of Pharmacy, Analytical Chemistry Dept., Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic
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Title	<b>Molecular cloning and functional expression of tree O-methyl-transferases from papaver somniferum l.</b>	Title	<b>Biodegradable injectable dosage forms with prolonged release of cisplatin.</b>
Author	Anan Ounaroan	Author	Petr Sova
Key words	Not available	Key words	Biodegradable polymers, controlled drug deli-very, injectables, liquid formulation, cisplatin, local delivery, animal study
Supervisor	Toni Kutchan	Supervisor	Milan Dittrich
Institution	Department for Plantbiochemistry	Institution	Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic
Language	English	Language	Czech
Price	Free of charge	Price	Free of charge
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany	Address for ordering	Charles University, Center of Information, Faculty of Pharmacy, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic
Fax/e-mail	+49 345 5527029	Fax/e-mail	Not available
Title	<b>Determination of DNA-drug interactions using a quartz crystal microbalance bio sensor</b>	Title	<b>Antioxidant vitamins A, E and C in patients with dyslipoproteinemia</b>
Author	Justine Ramsden	Author	Jaroslava Vávrová
Key words	DAN, physical pharmacy, bioassay	Key words	Analytical chemistry, electrophoresis, HPLC, human study, lipids, molecular biology
Supervisor	Geoff Smith	Supervisor	Vladimír Palicka
Institution	De Montfort University, Leicester, GB	Institution	Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic
Language	English	Language	Czech
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Title	<b>Proton transport at the vacuole, a signal-step in the induction of benzophenanthridine alkaloid biosynthesis of in eschscholzia californica</b>	Title	<b>Synthesis and physiochemical characterisation of model compounds of archaeobacterial lipids</b>
Author	Katrin Viehweger	Author	Friederike Ziethe
Key words	Vacuole, proton transport, pH-signaling, lysophosphatidylcholine, Na <sup>+</sup> /H <sup>+</sup> exchanger, benzophenanthridine alkaloids	Key words	Calorimetry, lipids, membranes, nanoparticle, synthesis
Supervisor	Werner Roos	Supervisor	Dr. Dobner
Institution	Martin Luther University, School of Pharmaceutical Science and Pharmacology, Halle-Wittenberg, Germany	Institution	Martin Luther University, School of Pharmaceutical Chemistry, Halle-Wittenberg, Germany
Language	German	Language	German
Price	Free of charge	Price	Free of charge
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany	Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany
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Title	<b>The role of multiple transporters in the intestinal absorption of saquinavir, a peptidomimetic HIV protease inhibitor</b>		
Author	Gregory C. Williams		
Key words	Absorption, active drug transport, oral drug delivery, biopharmaceutics, drug transport, pharmacokinetics		
Supervisor	Patrick J. Sinko		
Institution	Rutgers University, Piscataway, NJ, USA		
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