

<b>P001</b>	<p><b>Flexibility of lipase brought about by reaction temperature and additives controls its enantioselectivity in organic solvents: a rational approach for optimization of enantioselectivity for given enzymatic reaction</b></p> <p>T. Okamoto , S-i. Ueji</p>
<b>P002</b>	<p><b>Different strategies for the biocatalytical characterization of <i>Candida rugosa</i> lipases in organic solvents</b></p> <p>P. Domínguez de María, A. R. Alcántara, J. M. Sánchez-Montero, M. Lotti, F. Valero, J. V. Sinisterra</p>
<b>P003</b>	<p><b>Influence of alkyl-substituted silane precursors of silica gels on the enzymatic activity of immobilized microbial lipase from <i>Candida rugosa</i></b></p> <p>C. M. F. Soares, O. A. dos Santos, H. F. de Castro, F. F. de Moraes, G. M. Zanin</p>
<b>P004</b>	<p><b>Substrate-assisted catalysis in a redesigned hydrolase to increase enantioselectivity</b></p> <p>A. Magnusson, K. Hult</p>
<b>P005</b>	<p><b>Stabilization of an intracellular <i>Mucor circinelloides</i> lipase for application in non-aqueous media</b></p> <p>Antczak T., Szczesna-Antczak M., Bielecki S., Modrzejewska Z., Patura J.</p>
<b>P006</b>	<p><b>Sugar esters synthesis by a membrane-bound <i>M. circinelloides</i> lipase in microreactor equipped with the water activity - monitoring sensor</b></p> <p>T. Antczak, J. Patura, M. Szczesna-Antczak, D. Hiler, S. Bielecki</p>
<b>P007</b>	<p><b>New efficient enzymatic procedures catalysed by lipases for the synthesis of valuable regioprotected precursors of D-fructose in production of sugar derivatives</b></p> <p>N. D'Antona, G. Nicolosi , M. El-Idrissi , N. Ittobane , P. Bovicelli</p>
<b>P008</b>	<p><b>Effect of diverse lipases on the transesterification of grape seed oil with solketal and glycidol</b></p> <p>J.J. Méndez, M. Oromí, M. Torres, R. Canela</p>
<b>P009</b>	<p><b>Assessment of acylglycerol composition, oxidation products and free fatty acids in lipase-catalysed transesterified fats rich in omega-3 polyunsaturated fatty acids</b></p> <p>C .Tecelão, A. C.Nascimento, J. H. Gusmão, M. R. da Fonseca, S. Ferreira-Dias</p>

<b>P010</b>	<b>Lipase-catalyzed esterification of glycerol with aliphatic and substituted aromatic acid anhydrides</b>  D. Batovska, S. Tsubota, Y. Kato, Y. Asano
<b>P011</b>	<b>Lipase-catalyzed direct condensation of L-ascorbic acid and fatty acids in ionic liquids with assistance of hydrophobic additives</b>  S. Park, F. Viklund, R. J. Kazlauskas, K. Hult
<b>P012</b>	<b>Cork polyesters and their building blocks from plant oils by enzyme catalysis</b>  S. Warwel, F. Brüse, L. Heiss, E. Fehling
<b>P013</b>	<b>Lipase-mediated preparation of chiral building blocks for terpenes</b>  Maurice C.R. Franssen, H. Jongejan, A. de Groot
<b>P014</b>	<b>Biogenesis of lipophenol compounds in hexane medium using selected lipases and substrate models</b>  T. Petel, S. Karboune, B. Bisakowski, S. Kermasha
<b>P015</b>	<b>A direct enzymatic route to enantiopure alicyclic <math>\beta</math>-amino acids</b>  E. Forró, F. Fülöp
<b>P016</b>	<b>Approach for the dynamic kinetic resolution of cyclic <math>\alpha</math>-amino esters</b>  A. Liljeblad, A. Kiviniemi, L. T. Kanerva
<b>P017</b>	<b>Activation and peptide bond formation by lipase-catalyzed acyl transfers</b>  Xiang-Guo Li, L. T. Kanerva
<b>P018</b>	<b>“Easy on-easy off technology”: a fully enzymatic method for kinetic resolution of chiral amines</b>  H. Ismail, R. M. Lau, L. M. van Langen, F. van Rantwijk, R. A. Sheldon
<b>P019</b>	<b>CAL-B catalyzed resolution of 2-phenylcycloalkanamines</b>  J. Gonzáles Sabín, F. Rebolledo, V. Gotor

<b>P020</b>	<b>Two chemoenzymatic syntheses of both enantiomers of <i>trans</i>-cyclopentane-1,2-diamine</b>  A. Luna, I. Alfonso, V. Gotor
<b>P021</b>	<b>CALB-catalyzed asymmetric aminolysis and ammonolysis of prochiral glutarates</b>  M. López-García, I. Alfonso, V. Gotor
<b>P022</b>	<b>Kinetic resolution of nitro-aldol adducts</b>  M. J. Sorgedrager, F. van Rantwijk, R. A. Sheldon
<b>P023</b>	<b>Enantioselective synthesis of 1,4-dihydropyridine derivatives using lipases</b>  M. C.R. Franssen, A. Sobolev, G. Duburs, A. de Groot
<b>P024</b>	<b><i>Candida rugosa</i> lipase-catalysed kinetic resolution of polycyclic analogues of 1,4-dihydropyridines</b>  B. Vigante, A. Sobolev, B. Cekavicus, M. C. R. Franssen, G. Duburs, A. de Groot
<b>P025</b>	<b>Enzyme-catalyzed kinetic resolution of piperidine hydroxy-ester regioisomers</b>  M. Solymár, E. Forró, F. Fülöp
<b>P026</b>	<b>Synthesis of enantiomers of proline-related compounds via hydrolytic enzyme-catalyzed kinetic resolution</b>  M. Kurokawa, T. Shindo, M. Suzuki, N. Nakajima, K. Ishihara, T. Sugai
<b>P027</b>	<b>Lipase-catalysed resolution of cyclic <math>\beta</math>-hydroxyesters</b>  L. M. Lèvy, J. R. Dehli, V. Gotor
<b>P028</b>	<b>Chemoenzymatic synthesis of optically pure <math>\alpha</math>-hydroxyaldehydes and ketones</b>  S. Gravi, H. Veschambre, J. Bolte, R. Chênevert
<b>P029</b>	<b>The enantioselectivity changes with substrate conversion during kinetic resolution of secondary alcohols and their butanoates catalysed by CALB</b>  E. E. Jacobsen, A. R. Moen, E. W. van Hellemond, T. Anthonsen

<b>P030</b>	<b>Thiol functionalization of alcohols by chemospecific lipase catalysis</b>  C. Mårtensson, K. Hult, M. Martinell
<b>P031</b>	<b><i>Candida antarctica</i> B lipase catalysed alcoholysis of 3', 5'-diacetyl-2'-deoxynucleosides</b>  M. A. Zinni, S. D. Rodríguez, L. Ferrer, J. M. Montserrat, <b>L. E. Iglesias</b> , A. M. Iribarren
<b>P032</b>	<b>Influence of ring D substitution on lipase-catalysed deacetylation of steroid derivatives</b>  A. Baldessari, A. C. Bruttomesso
<b>P033</b>	<b>Dynamic resolution of (<i>R</i>, <i>S</i>)-naproxen 2,2,2-trifluoro ester via lipase-catalyzed hydrolysis in micro-aqueous isooctane</b>  Shau-Wei Tsai, Han-Yuan Lin
<b>P034</b>	<b>Enzymatic resolution of terpenoid lactams towards new chiral compounds with potential neuroactivity</b>  B. Frąckowiak, A. Trusek-Hołownia, T. Librowski, S. Lochyński
<b>P035</b>	<b>A new chemoenzymatic method for the synthesis of (<i>S</i>)-(+)-zopiclone</b>  L. F. Solares, V. M. Sánchez, M. Bayod, R. Brieva, V. Gotor
<b>P036</b>	<b>Alcohol and acyl donor structure effect on the enzymatic acylation of flavonoids</b>  M. Ardhaoui, Jean-Marc Engasser, A. Falcimaigne, P. Moussou, G. Pauly, <b>M. Ghoul</b>
<b>P037</b>	<b>Enzymatic preparation of flavonoid derivatives</b>  F. Mellou, H. Stamatis, F. N. Kolisis

<b>P038</b>	<b>Directed evolution of a <i>Pseudomonas fluorescens</i> lipase for resolution in organic solvents</b>  C. Parsy, L. Iwanejko, A. J. Carnell
<b>P039</b>	<b>Preserving the activity of lipase from <i>Pseudomonas fluorescens</i> by hydrophylisation in the presence of sodium dodecyl sulfate</b>  D. Trofimova, H.J. de Jongh, A. V. Levashov
<b>P040</b>	<b>Real-time monitoring of lipase-catalysed carbohydrate modification by <sup>1</sup>H-NMR spectroscopy</b>  C. G. Boeriu, M. Rosso
<b>P041</b>	<b>Cloning and characterization of a novel lipase from <i>Archaeoglobus fulgidus</i> DSM 4304</b>  M. Rusnak, R. D. Schmid, R. Petri
<b>P042</b>	<b>Production of ethyl butyrate by lipase-catalysed esterification in batch and in continuous reactors</b>  P. Pires-Cabral, M. R. da Fonseca, S. Ferreira-Dias
<b>P043</b>	<b>Production of margarine basestocks by transesterification of blends of three vegetable fats catalyzed by a commercial immobilized lipase</b>  M. C. Santos, J. H. Gusmão, S. Ferreira-Dias
<b>P044</b>	<b>Response surface modelling of the transesterification of fat blends, rich in <math>\omega</math>-3 polyunsaturated fatty acids, by a commercial immobilized lipase</b>  A. C. Nascimento, C. S.R. Tecelão, J. H. Gusmão, M. R. da Fonseca, I. de Sousa, S. Ferreira-Dias
<b>P045</b>	<b>The interaction between <i>Candida antarctica</i> lipase and branched chain fatty acids: a kinetic and molecular modelling study</b>  M.C.R. Franssen, Marc van der Kamp, M. Huibers, J.M. Vervoort
<b>P046</b>	<b><i>Georichum candidum</i> lipase: activation and its enantioselectivity towards xenobiotic substrates</b>  Z. Kejík, M. Zarevúcka, Z. Wimmer, K. Demnerová
<b>P047</b>	<b>New efficient lipase from <i>Yarrowia lipolytica</i> for the resolution of 2-substituted carboxylic acid esters</b>  G. Sandoval, D. Guieysse, L. Faure, J. L. Uribelarrea, J. M. Nicaud, P. Monsan, A. Marty

<b>P048</b>	<p><b>Enantioselectivity improvement of <i>Yarrowia lipolytica</i> lipase for resolution of 2-substituted carboxylic acid esters</b></p> <p>P. Bauchart, D. Guieysse, L. Roncalli, Ch. Croux, J. M. Nicaud, P. Monsan, <b>A. Marty</b></p>
<b>P049</b>	<p><b>Molecular modeling studies on the enantioselective Esterification of (+/-)-perillyl alcohol catalysed by lipases</b></p> <p>V. Skouridou, E. D. Chrysina, H. Stamatis, N. G. Oikonomakos, <b>F. N. Kolisis</b></p>
<b>P050</b>	<p><b>Enzyme storage stability in organic solvents</b></p> <p><b>G. Barletta</b>, A. Ferrer</p>
<b>P051</b>	<p><b>Characterization of enriched lipoxygenase extract from <i>Aspergillus niger</i> in terms of activity and specificity</b></p> <p>C. E. Hall, <b>S. Kermasha</b>, F. Husson</p>
<b>P052</b>	<p><b>Selective enzymatic acylation of <i>N</i>-acetylhexosamines and their derivatives</b></p> <p><b>P. Simerská</b>, A. Pišvejcová, S. Nicotra, M. Lama, M. Kuzma, M. Macková, S. Riva, V. Křen</p>
<b>P053</b>	<p><b>New transglycosylation reactions with modified substrates catalysed by <math>\beta</math>-<i>N</i>-acetylhexosaminidases</b></p> <p><b>P. Fialová</b>, A. Pišvejcová, L. Weignerová, V. Křen</p>
<b>P054</b>	<p><b><i>N</i>-acetylmannosamine containing saccharides: production using <math>\beta</math>-<i>N</i>-acetylhexosaminidases and their separation by ion-exchange/exclusion chromatography</b></p> <p><b>L. Hušáková</b>, J. Rauvolfová, A. Pišvejcová, R. Ettrich, K. Bezouška, V. Přikrylová, V. Křen</p>
<b>P055</b>	<p><b>Enzymatic modification of a macrocyclic compound with <i>N</i>-acetylglucosamine</b></p> <p><b>P. M. Deak</b>, L. Fischer</p>
<b>P056</b>	<p><b><math>\alpha</math>-L-Rhamnosidases and their use in selective trimming of natural compounds</b></p> <p><b>A. Pišvejcová</b>, D. Monti, P. Sedmera, Ch. Tarabiono, M. Lama, S. Riva, V. Křen</p>

<b>P057</b>	<b>Naringinase – activity and stability of a bitter sweet <math>\alpha</math>-rhamnopyranosidase, free and immobilized</b>  <b>M.H.L. Ribeiro</b>
<b>P058</b>	<b>Enzymatic glycosylation of carminic acid</b>  <b>J. Hameister, U. Kragl</b>
<b>P059</b>	<b>Medium engineering for the thermostable <math>\beta</math>-glucosidase from <i>Pyrococcus furiosus</i></b>  <b>Ch. Arndt, L. Fischer, U. Kragl</b>
<b>P060</b>	<b>Enzymatic synthesis of functional food ingredients from lactose using <math>\beta</math>-glycosidase (ec 3.2.1.21) from <i>Pyrococcus furiosus</i></b>  <b>J. Mayer, S. Lutz-Wahl, L. Fischer</b>
<b>P061</b>	<b>Synthesis of novel food additives, utilising <math>\alpha</math>- and <math>\beta</math>-galactosidases with natural and artificial donor substrates</b>  <b>S. Schröder, J. Thiem</b>
<b>P062</b>	<b>Enzymatic removal of lactose from galacto-oligosaccharide mixtures</b>  <b>B. Splechna, Thu-Ha Nguyen, I. Petzelbauer, K. D. Kulbe, B. Nidetzky, D. Haltrich</b>
<b>P063</b>	<b><math>\beta</math>-Galactosidases from <i>Lactobacilli</i> strains</b>  <b>Thu-Ha Nguyen, B. Splechna, W. Kneifel, K. D. Kulbe, D. Haltrich</b>
<b>P064</b>	<b>Optimization of enzymic hydrolysis and transgalactosylation in acid whey</b>  <b>J. Rudolfová, L. Čurda</b>
<b>P065</b>	<b>Influence of sodium and calcium ions on the kinetics of thermal and acid inactivation of <math>\alpha</math>-amylase</b>  <b>M. Polakovič, J. Bryjak, T. Mucha</b>
<b>P066</b>	<b>Glucosylation of alkylglucosides with enzymatic catalysts from <i>Leuconostoc mesenteroides</i></b>

	S. Morel, P. Monsan, G. Richard, M. Remaud-Simeon
<b>P067</b>	<b>Enzymatic glucosylation of 1,5-anhydro-D-fructose by glucansucrases from <i>Leuconostoc mesenteroides</i></b>  G. Richard, P. Monsan, S. Morel, Shunkun Yu, M. Remaud-Simeon
<b>P068</b>	<b>Increased thermostability of <i>Thermomyces lanuginosus</i> <math>\beta</math>-xylanase by directed evolution</b>  D. E. Stephens, K. Rumbold, B. A. Prior, K. Permaul, S. Singh
<b>P069</b>	<b>Characterization of pyranose dehydrogenase from <i>Agaricus xanthoderma</i></b>  M. Kujawa, Ch. Sygmond, Ch. Leitner, C. Peterbauer, J. Volc, K. D. Kulbe, D. Haltrich
<b>P070</b>	<b>Continuous oxidation of glucose by pyranose oxidase: reaction engineering and process development</b>  Ch. Leitner, P. Halada, M. Kujawa, J. Volc, K. D. Kulbe, D. Haltrich
<b>P071</b>	<b>Synthesis and evaluation of unnatural sugar nucleotides as donor substrates in glycosyltransferase-catalyzed reactions</b>  A. Khaled, T. Ivannikova, C. Augé, A. Lubineau
<b>P072</b>	<b>Fructose-1,6-diphosphate aldolase mediated syntheses of aminocyclitols, analogues of valioline</b>  D. Crestia, L. El Blidi, C. Demuyne, E. Gallienne, M. Lemaire, J. Bolte
<b>P073</b>	<b>New fructosyltransferases for potential industrial applications</b>  H. Koslik, S. Lutz-Wahl, L. Fischer
<b>P074</b>	<b>Expression of <i>Fusarium oxysporum</i> lactonase gene in <i>Aspergillus oryzae</i></b>  K. Honda, E. Sakuradani, M. Kataoka, S. Shimizu
<b>P075</b>	<b>Cloning of the gene encoding for rhamnogalacturonase by a constitutive mutant of <i>Penicillium</i> strain</b>  N. Hadj-Taïeb, A. Gargouri
<b>P076</b>	<b>Preparation of a cyclodextrin glucanotransferase from the bacterial isolate BT3-2: towards the production of large ring cyclodextrins</b>



	<b>Qingsheng Qi, W. Zimmermann</b>
<b>P077</b>	<b>Protease catalysed transesterification of sucrose and cyclodextrins</b>  L. H. Pedersen, N. R. Pedersen, J. B. Kristensen, K. L. Larsen
<b>P078</b>	<b>Alkyl-<math>\beta</math>-glycoside synthesis using <math>\beta</math>-glycosidases from filamentous fungus</b>  M. Gargouri, I. Smaali, T. Maugard, M. D. Legoy, N. Marzouki
<b>P079</b>	<b>Production of fungal <math>\beta</math>-N-acetylhexosaminidase – effects of various inductors</b>  O. Plíhal, J. Sklenář, P. Matoušek, P. Novák, P. Man, V. Havlíček, L. Weignerová, A. Pišvejcová, V. Křen, K. Bezouška
<b>P080</b>	<b>Lipases-catalysed preparation of regioselectively acetylated 4-nitrophenyl glycosides</b>  M. Mastihubová, J. Szemesová, P. Biely
<b>P081</b>	<b>Kinetics and thermodynamics of enantioselective alcohol release step in lipase-catalyzed hydrolysis of synthetic esters</b>  H. Hirohara, H. Kimura, I. Yoshinori, T. Yokota
<b>P082</b>	<b>Substrate profiles of nitrile hydrolysing biocatalysts</b>  D. Brady, C. P. Kenyon, Fred van Rantwijk, R. A Sheldon
<b>P083</b>	<b>Synthesis of enantiopure carboxylic acids using nitrilase catalysis</b>  B.C.M. Fernandes, Fred van Rantwijk, R. A. Sheldon
<b>P084</b>	<b>Biotransformation of N-protected <math>\beta</math>-amino nitriles to <math>\beta</math>-amino acids</b>  N. Klempier, M. Preiml, K. Hillmayer
<b>P085</b>	<b>Nitrile hydratase-catalysed transformations of glycosyl cyanides</b>  V. Mylerová, R. Šnajdrová, L. Somsák, V. Křen, L. Martínková
<b>P086</b>	<b>Enzymatic hydrolysis of nitriles using <i>Aspergillus niger</i> K10</b>  R. Šnajdrová, K. Nicolaou, D. Crestia, O. Kaplan, V. Mylerová, V. Křen, J. Bolte, L. Martínková
<b>P087</b>	<b>Fast screening of nitrile hydratases on colony level</b>

	Ch. Reisinger, T. Glieder, H. Schwab
<b>P088</b>	<b>In situ synthesis of protected cyanohydrins using oxynitrilase</b>  T. Purkarthofer, R. Gaisberger, P. Poechlauer, W. Skranc, H. Weber, H. Griengl
<b>P089</b>	<b>Enzyme catalysed cyanohydrin formation from heterocyclic ketones</b>  M. H. Fechter, M. Avi, P. Pöchlauser, H. Griengl
<b>P090</b>	<b>Follow-up chemistry of enzymatically produced optically pure ferrocenyl cyanohydrins</b>  B. Überbacher, H. Weber, R. F.G. Fröhlich, H. Griengl
<b>P091</b>	<b>Efficient synthesis of optically active cyanohydrins using R-oxynitrilase CLEA</b>  L. M. van Langen, R. Selassa, Fred van Rantwijk, R. A. Sheldon
<b>P092</b>	<b>One pot conversion of benzaldehyde into mandelic acid using CLEA technology</b>  C. Mateo, J. M. Palomo, Fred van Rantwijk, A. Stolz, R. A. Sheldon
<b>P093</b>	<b>Biocatalytic conversions of unnatural substrates by recombinant almond R-HNL</b>  R. Weis, K. Gruber, H. Mandl, H. Mayerhofer, W. Skranc, M. Wubbolts, H. Schwab, A. Glieder
<b>P094</b>	<b>Cyanohydrin formation using wildtype and mutant hnl as a starting point for further transformations</b>  R. Gaisberger, M. H. Fechter, T. Purkarthofer, H. Griengl
<b>P095</b>	<b>Substrate specificity of mutants of the hydroxynitrile lyase from <i>Manihot esculenta</i></b>  F. Effenberger, H. Bühler, S. Förster, H. Lauble, B. Miehlisch, H. Wajant
<b>P096</b>	<b>Substrate specificity of mutants of hydroxynitrile lyase from <i>Hevea brasiliensis</i> and heterologous expression of the enzyme variants in <i>Pichia pastoris</i></b>

	<b>B. Krammer</b> , P. Remler, K. Gruber, M. Schiller, H. Schwab
<b>P097</b>	<b>Cloning of a nitrilase gene from the cyanobacterium <i>Synechocystis</i> spp. PCC6803 and heterologous expression and characterization of the encoded protein</b>  U. Heineman, D. Engels, <b>A. Stolz</b>
<b>P098</b>	<b>Diversity of nitrile hydratase enzymes from geographically distinct <i>Rhodococcus erythropolis</i> strains</b>  <b>P. F. B. Brandão</b> , J. P. Clapp, R. Dürr, Ch. Sylđatk, A. Bull
<b>P099</b>	<b>Glutaryl-7-aca acylase: a new tool for the biocatalyzed kinetic resolution of racemic amines and alcohols</b>  S. Raimondi, L. Forti, D. Monti, <b>S. Riva</b>
<b>P100</b>	<b>Substrate tolerance of glutaryl acylase</b>  <b>P. Grundmann</b> , W. D. Fessner
<b>P101</b>	<b>New application of aminoacylase I – enantioselective conversions of amino acids carboxylic derivatives</b>  <b>M. I. Youshko</b> , V. K. Švedas, R. A. Sheldon
<b>P102</b>	<b>Penicillin acylase-catalyzed resolution of amines in aqueous medium</b>  <b>Dorel T. Guranda</b> , A. J. Khimiuk, T. S. Volovik, A.V. Tarasov, P. G. Yolkin, V.K. Švedas
<b>P103</b>	<b>Resolution of (<i>R,S</i>)-phenylglycinonitrile by penicillin acylase-catalyzed acylation in an aqueous medium</b>  G. G. Chilov, H. M. Moody, W. H.J. Boesten, <b>V. K. Švedas</b>
<b>P104</b>	<b>Characteristics of penicillin G amidase and D-amino acid oxidase in ionic liquids</b>  <b>S. Lutz-Wahl</b> , Eva-Maria Trost, L. Fischer
<b>P105</b>	<b>Immobilised penicillin amidase (<i>E. coli</i>) onto magnetic, micro, non-porous carriers: characterisation in model reactions</b>  <b>D. Bozhinova</b> , M. Franzreb, R. Köster, B. Galunsky, V. Kasche
<b>P106</b>	<b>Expression cloning of environmental dna for the discovery of new penicillin</b>

	<p><b>amidases</b></p> <p>E. M. Gabor, E. J. de Vries, D. B. Janssen</p>
<b>P107</b>	<p><b>Directed evolution of penicillin acylases to improve the synthesis of <math>\beta</math>-lactam antibiotics</b></p> <p>S. A.W. Jager, D. B. Janssen</p>
<b>P108</b>	<p><b>Homology model of penicillin acylase from <i>Alcaligenes faecalis</i> and <i>in silico</i> evaluation of its selectivity</b></p> <p>P. Braiuca, C. Ebert, L. Fischer, L. Gardossi, P. Linda</p>
<b>P109</b>	<p><b>Novel epoxide hydrolases identified by genome analysis</b></p> <p>Bert van Loo, J. Kingma, E. J. de Vries, J. H. Lutje Spelberg, D. B. Janssen</p>
<b>P110</b>	<p><b>Immobilisation and stabilization of the <i>A. niger</i> epoxide hydrolase. A novel biocatalytic tool for repeated-batch hydrolytic kinetic resolution of epoxides</b></p> <p>C. Mateo, A. Archelas, R. Fernandez-Lafuente, J. M. Guisan, R. Furstoss</p>
<b>P111</b>	<p><b>A high-performance epoxide hydrolase reactor. Application to the preparative scale synthesis of azole antifungal agents key synthons</b></p> <p>N. Monfort, A. Archelas, R. Furstoss</p>
<b>P112</b>	<p><b>Preparative scale enzymatic kinetic resolution of glycidyl acetal derivatives using the <i>A. niger</i> epoxide hydrolase</b></p> <p>B. Doumeche, A. Archelas, R. Furstoss</p>
<b>P113</b>	<p><b>Preparation and properties of immobilized epoxide hydrolase from <i>Aspergillus niger</i></b></p> <p>S. Karboune, A. Archelas, R. Furstoss, J. C. Baratti</p>
<b>P114</b>	<p><b>Biocatalytic preparation of optically pure epoxides and alcohols</b></p> <p>J. H. L. Spelberg, L. Tang, E. J. de Vries, R. M. Kellogg, D. B. Janssen</p>
<b>P115</b>	<p><b>Improving the biocatalytic properties of a halohydrin dehalogenase by modifying the halide binding site</b></p> <p>Lixia Tang, Daniel, E. T. Pazmiño, M. W. Fraaije, D. B. Janssen</p>
<b>P116</b>	<p><b>Computer-assisted engineering of haloalkane dehalogenases for</b></p>

	<p><b>environmental applications</b></p> <p><b>J. Damborsky</b>, A. Jesenska, Z. Prokop, J. Kmunicek, M. Bohac, R. Chaloupkova, M. Pavlova, M. Monincova, M. Strouhal, T. Jedlicka, I. Tesinska, M. Klvana, M. Otyepka, P. Banas, Y. Nagata, A. Oakley</p>
<b>P117</b>	<p><b>Application of degenerate oligonucleotide gene shuffling for construction of hybrid haloalkane dehalogenase</b></p> <p><b>A. Jesenská</b>, Y. Nagata, J. Damborský</p>
<b>P118</b>	<p><b>Kinetics and specificity of haloalkane dehalogenase LinB from <i>Sphingomonas paucimobilis</i> UT26</b></p> <p><b>Z. Prokop</b>, M. Monincová, M. Klvaňa, R. Chaloupková, D. B. Janssen, Y. Nagata, J. Damborský</p>
<b>P119</b>	<p><b>Comparison of four yeast pyruvate decarboxylases for <i>R</i>-phenylacetylcarbinol production</b></p> <p>G. Satianegara, C. Gunawan, A. K. Chen, M. Breuer, B. Hauer, P. L. Rogers, <b>B. Rosche</b></p>
<b>P120</b>	<p><b>Improved production of <i>Candida utilis</i> pyruvate decarboxylase for biotransformation</b></p> <p>A K. Chen, M. Breuer, B. Hauer, P. L. Rogers, <b>B. Rosche</b></p>
<b>P121</b>	<p><b>Lactate racemase as a versatile tool for the racemization of <math>\alpha</math>-hydroxycarboxylic acids</b></p> <p><b>S. M. Glueck</b>, M. Pirker, B. Schnell, W. Kroutil, K. Faber</p>
<b>P122</b>	<p><b>Development of a multi-enzymatic system for C-C bond formation</b></p> <p>J. F. García, I. Sánchez, <b>A. Bastida</b>, M. Latorre, E. García-Junceda</p>
<b>P123</b>	<p><b>Aminotransferases for the production of unnatural amino acids: application to glutamic acid analogues</b></p> <p><b>T. Gefflaut</b>, S. Alaux, J. Rossi, J. Bolte</p>
<b>P124</b>	<p><b>Oxidation of poly(ethylene glycols) by alcohol oxidase from <i>Pichia pastoris</i></b></p> <p><b>N. Gorochovceva</b>, I. Matijosyte, S. Budriene, R. Makuska, G. Dienys</p>
<b>P125</b>	<p><b>Scale up of biocatalytic synthesis of chiral fine chemicals on the example of enantiopure 2,3-butanediol</b></p>

	T. Daußmann, <b>Hans-Georg Hennemann</b> , R. Feldmann, T. Kalthoff, W. Hummel
<b>P126</b>	<b>Production of enantiopure (2R)-piperidine derivatives in high yields by enzyme-catalyzed dynamic kinetic resolution</b>  O. Vielhauer, O. Reiser, Ch. Syldatk, M. Pietzsch
<b>P127</b>	<b>Asymmetric transfer hydrogenation process by phenylacetaldehyde reductase to produce chiral alcohols</b>  N. Itoh, Y. Makino, T. Dairi
<b>P128</b>	<b>Two novel reductases catalyzing the stereospecific reduction of C=C and C=O bonds</b>  M. Kataoka, A. Kotaka, M. Wada, S. Nakamori, S. Shimizu
<b>P129</b>	<b>Enantioselective enzymatic and chemical hydrolysis of <i>sec</i>-alkyl sulfate esters</b>  S. R. Wallner, B. Nestl, M. Pogorevc, W. Kroutil, K. Faber
<b>P130</b>	<b>Laccase-nitroxyl radical catalyzed oxidation of alcohols: mechanistic investigations</b>  Yu-Xin Li, Isabel W.C.E. Arends, R. A. Sheldon
<b>P131</b>	<b>Oxidative coupling of natural phenol derivatives catalyzed by laccases</b>  S. Nicotra, B. Danieli, L. Forti, A. Intra, S. Riva
<b>P132</b>	<b>Biocatalysis of endogenous apple polyphenol oxidase in organic solvent media using selected substrates</b>  A. Hossain, S. Kermasha, B. Bisakowski
<b>P133</b>	<b>Biocatalysis of chlorophyllase in organic solvent medium-containing canola oil model system</b>  M. Bitar, S. Karboune, B. Bisakowski, S. Kermasha
<b>P134</b>	<b>Combined alkene monooxygenase and epoxide hydrolase biocatalysts for two step transformations</b>

	N. Zhou, D. J. Leak
<b>P135</b>	<b>Styrene monooxygenase is a versatile biocatalyst for enantiospecific epoxidation reactions in cell-free systems</b>  K. Hofstetter, I. Lang, J. Lutz, K. Otto, B. Witholt, A. Schmid
<b>P136</b>	<b>2-Hydroxybiphenyl 3-monooxygenase: large scale preparation and cell free application in emulsions the application of cross-linked enzyme precipitates (CLEPs)</b>  J. Lutz, B. Witholt, A. Schmid
<b>P137</b>	<b>Biocatalyst development for the production of <i>cis</i>-diols using chlorobenzene dioxygenase</b>  S. Yildirim, Hans-P E. Kohler, R. Wohlgemuth, B. Witholt, A. Schmid
<b>P138</b>	<b>Screening and optimisation of commercial enzymes for the enantioselective hydrolysis of (<i>R,S</i>)-naproxen ester</b>  L. Steenkamp, D. Brady
<b>P139</b>	<b>Asymmetric transformation of enol acetates with esterases from <i>Marchantia polymorpha</i></b>  T. Hirata, K. Shimoda, T. Kawano, M. Miyawaki, N. Kubota
<b>P140</b>	<b>Enzyme-mediated enantioselective hydrolysis of peg-tagged carbonates</b>  M. Shimojo, K. Matsumoto, H. Ohta
<b>P141</b>	<b><i>T. reesei</i> acetyl esterase catalyzed transesterification in water</b>  L. Kremnický, V. Mastihuba, G. L. Côté
<b>P142</b>	<b>Preliminary x-ray crystal structure information of an esterase from <i>Pseudomonas fluorescens</i></b>  J. D. Cheeseman, J. Schrag, R. J. Kazlauskas
<b>P143</b>	<b>Enantiopure sulfinamides via subtilisin-catalyzed kinetic resolution of <i>N</i>-acylsulfinamides</b>  Ch. K. Savile, R. J. Kazlauskas
<b>P144</b>	<b>Utilization of microbial proteases for peptide synthesis in organic media</b>  T. Miyazawa, M. Hiramatsu, S. Masaki

<b>P145</b>	<b>Trypsin assisted semisynthesis of human insulin analogues</b> K. Huml , Š. Zórad, J. Škarda , J. Barthová, J. Velek, J. Ježek, J. Straková, A. Ciencialová, V. Kašička, K. Ubik, L. Hauzerová, L. Klasová, <b>T. Barth</b>
<b>P146</b>	<b>Discovery of a novel heme-containing lyase, phenylacetaldoxime dehydratase, from microorganisms and its application to organic synthesis</b> <b>Y. Kato</b> , Y. Asano
<b>P147</b>	<b>New chromogenic substrates of paraoxonase (pon1)</b> <b>Anh Nga Phung</b> , Ch. Birkner, R. Herrmann, Wolf-Dieter Fessner
<b>P148</b>	<b>A fluorogenic assay for transketolase from <i>Saccharomyces cerevisiae</i></b> A. Sevestre, V. Helaine, <b>L. Hecquet</b>
<b>P149</b>	<b>Optimization of spectrophotometric method suitable for assessing primary amino groups in dairy proteins and monitoring course of enzymatic hydrolysis</b> <b>A. Dryáková</b> , L. Čurda, J. Rudolfová
<b>P150</b>	<b>Production of benzaldehyde from phenylalanine catalysed by a bienzymatic oxidase-peroxidase system</b> <b>K. Okrasa</b> , E. Guibé-Jampel , M. Therisod
<b>P151</b>	<b>Enzymatic synthesis of natural vanillin</b> Robert H.H. van den Heuvel, Willy A. M. van den Berg, S. Rovida, A. Mattevi, <b>W. J.H. van Berkel</b>
<b>P152</b>	<b>Chemoenzymatic asymmetric total synthesis of an aroma constituent of jamaican rum and of (+)-pestalotin</b> <b>H. Mang</b> , S. F. Mayer, K. Faber
<b>P153</b>	<b>Enzyme-generated radicals as a tool to produce natural compounds. The case of the production of carotenoid-derived aroma compounds</b> Y. Wache, <b>F. Husson</b> , Jean-Marc Belin
<b>P154</b>	<b>Effect of culture medium composition on the biogenesis of the natural</b>



	<p><b>flavor 1-octen-3-ol by <i>P. camemberti</i></b></p> <p>F. Husson, K. N. Krumov, E. Cases, P. Cayot, S. Kermasha, Jean-Marc Belin</p>
<b>P155</b>	<p><b>Genetic engineering of the <math>\gamma</math>-oxidation pathway in the yeast <i>Yarrowia lipolytica</i> to increase the production of aroma compounds</b></p> <p>Y. Waché, A. Groguenin, E. E. Garcia, M. Aguedo, F. Husson, Marie-Thérèse LeDall, Jean-Marc Nicaud, Jean-Marc Belin</p>
<b>P156</b>	<p><b>Synthetic studies on heliannane sesquiterpenes via chemoenzymatic transformation</b></p> <p>K. Shishido, T. Kamei, M. Shindo</p>
<b>P157</b>	<p><b>Regioselective enzymatic acylation of polyhydroxylated sesquiterpenoids</b></p> <p>A. Intra, G. Nasini, S. Riva</p>
<b>P158</b>	<p><b>Syntheses and enzymatic evaluation of substrate analogs of medium-chain prenyl diphosphate synthase</b></p> <p>Y. Maki, M. Satoh, M. Takekawa, N. Ohya, M. Nagaki, T. Koyama</p>
<b>P159</b>	<p><b>Substrate specificities of several prenylchain elongating enzymes with respect to 4-methyl-4-pentenyl diphosphate</b></p> <p>M. Nagaki, Y. Miki, M. Nakada, Y. Maki, T. Nishino, T. Koyama</p>
<b>P160</b>	<p><b>Extracellular sterol oxidase of <i>Mycobacterium vaccae</i></b></p> <p>V. M. Nikolayeva, M. V. Donova</p>
<b>P161</b>	<p><b>21-acetoxy-pregna-4(5),9(11),16(17)-triene-21-ol-3,20-dione bioconversion by <i>Nocardioides simplex</i> VKM Ac-2033D</b></p> <p>V. V. Fokina, M. V. Donova</p>
<b>P162</b>	<p><b>Microbial conversion of sterol-enriched fractions of soybean oil production waste by <i>Mycobacterium</i> sp. VKM Ac-1817D</b></p> <p>D. V. Dovbnia, M. V. Donova, G. V. Sukhodolskaya, S. M. Khomutov, V. M. Nikolayeva</p>
<b>P163</b>	<p><b>Sitosterol side-chain cleavage in an organic-aqueous two-liquid phase system with chrysole immobilized mycobacterial cells</b></p> <p>R. Wendhausen, M. E. Frigato, A. Cruz, P. Fernandes, H. M. Pinheiro, J. M. S. Cabral</p>

<b>P164</b>	<b>Sitosterol side-chain cleavage by free mycobacterial resting cells in organic media: assessment key operational parameters</b>  B. Angelova, <b>A. Cruz</b> , P. Fernandes, H. M. Pinheiro, J. M.S. Cabral
<b>P165</b>	<b>Optimization of androstenedione production in an organic-aqueous two-liquid phase system</b>  A. Staebler, P. Fernandes, Wouter van der Goot, <b>A. Cruz</b> , H. M. Pinheiro, J. M.S. Cabral
<b>P166</b>	<b>Enantioselective synthesis of (+) and (-)-(Z)-7,15-hexadecadien-4-olide, the sex pheromone of the yellowish elongate chafer, <i>Heptophilla picea</i></b>  <b>G. C. Clososki</b> , L. C. Ricci, C. E. Costa, J. V. Comasseto
<b>P167</b>	<b>Enzymatic baeyer-villiger oxidation of new 2- and 3-substituted cyclohexanones</b>  M. Vogel, <b>A. Schulze</b>
<b>P168</b>	<b>Enantiodivergent Baeyer-Villiger oxidation of functionalized prochiral cyclohexanone derivatives utilizing recombinant cells</b>  <b>F. Rudroff</b> , P. Stanetty, M. D. Mihovilovic
<b>P169</b>	<b>Microbial Baeyer-Villiger oxidation of prochiral tetrahydropyranons using recombinant whole-cells</b>  <b>B. Grötzl</b> , W. Kandioller, H. Spreitzer, P. Stanetty, M. D. Mihovilovic
<b>P170</b>	<b>Microbial Baeyer-Villiger oxidation: synthesis of optically active geissman-waiss lactone</b>  <b>A. Luna</b> , V. Alphan, R. Furstoss
<b>P171</b>	<b>Microbial Baeyer-Villiger oxidation: a dynamic kinetic resolution using a heterogeneous racemisation catalyst</b>  <b>M. C. Gutiérrez</b> , N. Berezina, V. Alphan, R. Furstoss
<b>P172</b>	<b>Microbial Baeyer-Villiger oxidation: a process concept combining biotransformation and solid phase extraction in a novel way</b>

	<b>I. Hilker</b> , V. Alphand, R. Furstoss
<b>P173</b>	<b>Microbial Baeyer-Villiger oxidation of bicyclo[4.3.0]- and bicyclo[3.3.0] ketones using recombinant whole-cells</b> <b>B. Müller</b> , M. M. Kayser, P. Stanetty, M. D. Mihovilovic
<b>P174</b>	<b>Engineering a NADH-specific Baeyer-Villiger monooxygenase</b> N. M. Kamerbeek, <b>M. W. Fraaije</b> , D. B. Janssen
<b>P175</b>	<b>Directed evolution of enantioselectivity of cyclohexanone monooxygenase</b> <b>B. Brunner</b> , T. H. Schneider, F. Daligault, M. Hermes, M. Kayser, M. T. Reetz
<b>P176</b>	<b>Biohydroxylations of ketones and aldehydes with <i>Sphingomonas</i> sp. HXN-200 using the docking/protecting group concept</b> Anna de Raadt, Karl-Heinrich Engesser, H. Griengl, Zhi Li, <b>D. F. Münzer</b> , J.B.van Beilen, H. Weber, B. Witholt
<b>P177</b>	<b>Investigations into the biohydroxylation of chiral alcohols employing the docking/protecting group concept</b> Anna de Raadt A., B. Fetz, R. Fröhlich, H. Griengl, D. F. Münzer, E. Pinter, <b>T. Terzani</b> , H. Weber
<b>P178</b>	<b>Efficient enantioselective bio-oxidation of <i>sec</i>-alcohols</b> <b>K. Edegger</b> , W. Stampfer, B. Kosjek, K. Faber, W. Kroutil
<b>P179</b>	<b>Biohydroxylations of bicyclic saturated <math>\gamma</math>-lactones with the substituted cyclohexane system</b> <b>W. Gładkowski</b> , M. Konopka, M. Grabarczyk, C. Wawrzeńczyk
<b>P180</b>	<b>Solventless yeast mediated reactions</b> N. Athanasiou, <b>A. J. Smallridge</b> , M. A. Trehwella
<b>P181</b>	<b>Enantioselective enzymic reduction of a prochiral cyclic ketone using yeasts</b> <b>Z. Wimmer</b> , M. Zarevúcka, P. Sochůrková
<b>P182</b>	<b>Baker's yeast mediated asymmetric reduction of cinnamaldehyde derivatives</b>

	<b>L. C. Fardelone, J. A. R. Rodrigue, P. J. S. Moran</b>
<b>P183</b>	<b>Enantioselective oxidation and reduction of acyclic compounds by a yeast</b> <b>K. Matsumoto, K. Hashimoto, J. Tatsuta, Y. Nagai</b>
<b>P184</b>	<b>Asymmetric reduction of ketones by photosynthetic organisms</b> <b>K. Nakamura, R. Yamanaka</b>
<b>P185</b>	<b>Asymmetric reduction by <i>Geotrichum candidum</i> in supercritical carbon dioxide using semi-continuous flow reactor</b> <b>T. Matsuda, K. Watanabe, T. Harada, K. Nakamura</b>
<b>P188</b>	<b>Bioreduction of acetophenones and deracemization of aryl ethanols by fungi</b> <b>J. V. Comasseto, A. T. Omori, L. H. Andrade, A. L. M. Porto</b>
<b>P189</b>	<b>Enantioselective reduction of 1-(1,3-benzodioxol-5-yl)-2-halo-1-ethanones by <i>Rhodotorula glutinis</i></b> <b>cct 2182</b> <b>H. Antunes, L. C. Fardelone, J. A. R. Rodrigues, P. J. S. Moran</b>
<b>P190</b>	<b>Highly efficient extractive biocatalysis with Amberlite XAD-7 in the asymmetric reduction of enones by <i>Pichia kluyveri</i> and <i>Rhodotorula glutinis</i></b> <b>G. J. A. Conceição, P. J. S. Moran, J. A. R. Rodrigues</b>
<b>P191</b>	<b>Enzymatic dynamic kinetic resolution of (<math>\pm</math>)-2-hydroxy-1-indanone by <i>Trichosporon cutaneum</i>: a shortcut to homochiral (1S,2R)-1,2-indandiol</b> <b>G. J. A. Conceição, P. J. S. Moran, J. A. R. Rodrigues</b>
<b>P192</b>	<b>Asymmetric hydrogenation of nitroalkenes using <i>Clostridium sporogenes</i></b> <b>A. Sadeghi, H. Li, L. Noble, P. Mather, D. Hatziantoniou, Z. Law, K. Vasiliki, J. M. Gardiner, G. Stephens</b>
<b>P193</b>	<b>Multi bioreaction screening, a tool to discover new enzymatic activities</b> <b>A. J. Marsaioli, Lu Shi Chen, L. Pinheiro, Luiz A.M.A.da Costa, B. Bicalho</b>
<b>P194</b>	<b>Enantioselective oxidation of sulfides and sulfinic acid ester with the aid of brazilian microorganisms</b>

	Luiz A.M.A. da Costa, <b>A. J. Marsaioli</b>
<b>P195</b>	<b>Asymmetric synthesis of arylselenoalcohols by means of the reduction of organoseleno acetophenones by fungi</b>  J. V. Comasseto, Á. T. Omori, André L. M. Porto, <b>L. H. Andrade</b>
<b>P196</b>	<b>Enantioselective sulfide oxidation catalysed by recombinant <i>Escherichia coli</i> whole cells</b>  <b>F. Zambianchi</b> , S. Raimondi, P. Pasta, G. Carrea, S. Colonna
<b>P197</b>	<b>Application of bacterial aldehyde oxidation system for simple preparation of useful acids</b>  <b>K. Mitsukura</b> , Y. Sato, T. Yoshida, T. Nagasawa
<b>P198</b>	<b>Microbial deracemization of <math>\alpha</math>-substituted carboxylic acids</b>  <b>Dai-ichiro Kato</b> , S. Mitsuda, H. Ohta
<b>P199</b>	<b>Microbial deracemisation of <math>\beta</math>-hydroxy esters – an important strategy towards various chiral intermediates</b>  <b>S. K. Padhi</b> , N. G. Pandian, A. Chadha
<b>P200</b>	<b>Microbial models of animal drug metabolism: microbial preparation and identification of hydroxylated metabolites of irbesartan</b>  V. Alexandre, S. Ladril, M. Maurs, <b>R. Azerad</b>
<b>P201</b>	<b>A high throughput screening method for the study of microbial metabolism of xenobiotics and the generation of molecular diversity</b>  <b>C. Marvalin</b> , M. Maurs, R. Azerad, X. Morge
<b>P202</b>	<b>Predictive biotransformation of potential toxic chemicals</b>  R. Prakash, A. Kapoor, <b>N. T. Prakash</b>
<b>P203</b>	<b>Inducible and constitutive cytochromes P-450 involved in oxidation of terfenadine by <i>Streptomyces platensis</i></b>  C. Mazier, M. Jaouen, Marie-Agnès Sari, <b>D. Buisson</b>
<b>P204</b>	<b>Biotransformation of terfenadine, ebastine and analogues by some microorganisms</b>

	I. Salard, C. Mazier, <b>D. Buisson</b>
<b>P205</b>	<b>Is the oxidative cleavage of heterocyclic naphthoquinones in <i>Streptomyces</i> catalyzed by a member of the hydroquinone-epoxidase family?</b>  C. Fosse, L. Le Texier, R. Azerad
<b>P206</b>	<b>Biphasic bioconversion of naphthalenes into dihydrodiols: solvent effects and substrate differences</b>  S. Bernasconi, F. Orsini, <b>G. Sello</b> , P. Conforti, M. Tansi, E. Galli, P. Di Gennaro, G. Bestetti
<b>P207</b>	<b>Biotransformation of pyridines with <i>Pseudomonas</i> sp strain NCIB 9816-4</b>  <b>L. V. Modyanova</b>
<b>P208</b>	<b>Carbazole hydroxylation by <i>Aspergillus flavus</i> VKM Ac-1024</b>  <b>T. G. Lobastova</b> , G. V. Sukhodolskaya, M. V. Donova
<b>P209</b>	<b>One-pot extraction-solvolysis of triacylglycerides catalyzed by <i>Rhizopus oryzae</i> resting-cells in solvent and solvent-free media</b>  <b>M. Oromí</b> , J. J. Méndez, R. Canela, M. Torres
<b>P210</b>	<b>Novel hydrolases from thermophilic fungi for stereoselective biotransformations</b>  <b>V. Bódai</b> , C. Paizs, M. Toşa, C. Majdik, S. Pilbák, L. Novák, Florin-Dan Irimie, G. Szakács, L. Poppe
<b>P211</b>	<b>Novel hydrolases from thermophilic filamentous fungi for enantiomer and enantiotopic selective biotransformations</b>  V. Bódai, G. Szakács, C. Paizs, S. Pilbák, R. Peredi, J. Bálint, G. Egri, L. Novák, J. Dukai, <b>L. Poppe</b>
<b>P212</b>	<b>Cloning and expression in <i>E. coli</i> of the gene encoding <i>Streptomyces</i> PMF PLD, a phospholipase d with high transphosphatidylolation activity</b>  <b>D. Monti</b> , C. Zambonelli, P. Morandi, M. A. Vanoni, G. Tedeschi, Rossana di Lorenzo, S. Servi, B. Curt, G. Carrea
<b>P213</b>	<b>Inversion of the enantioselectivity of arylmalonate decarboxylase by point mutation</b>  <b>Y. Terao</b> , Y. Ijima, H. Kakidani, H. Ohta

<b>P214</b>	<b>Chiral alcohol production by <math>\beta</math>-ketoester reductase from <i>Penicillium citrinum</i> coupled with regeneration system of NADPH</b>  H. Asako, R. Wakita, M. Shimizu, N. Itoh
<b>P215</b>	<b>Heterologous expression and site directed mutagenesis of alkene monooxygenases for improved activity and stereoselectivity</b>  S. Askew, V. Champreda, <b>D. J. Leak</b>
<b>P216</b>	<b>Directed evolution of <i>dszabc</i> operon from <i>Rhodococcus</i> sp. Ds7: evaluation of the selected mutants for biodesulfurization activity on different substrates</b>  E. Franchi, L. Alberti, F. Rodriguez, L. Serbolisca, F. de Ferra
<b>P217</b>	<b>Mastering pox genotype for fatty acid transport and accumulation in the yeast <i>Yarrowia lipolytica</i></b>  K. Mlíčková, Luo Y., Sabine d'Andrea, P. Peč, T. Chardot, Jean-Marc Nicaud
<b>P218</b>	<b>Production of rubber molecules with recombinant <i>Hevea brasiliensis</i> rubber transferase</b>  K. Asawatreratanakul, Yuan-Wei Zhang, D. Wititsuwannakul, R. Wititsuwannakul, S. Takahashi, <b>T. Koyama</b>
<b>P219</b>	<b>Gel-stabilized two-phase systems: new approaches to the enzymatic synthesis of hydrophobic fine chemicals</b>  <b>M. Ansorge-Schumacher</b>
<b>P220</b>	<b>Sol-gel biocomposite materials as solid-phase biocatalysts</b>  F. Peter, G. Preda, A. Chiriac, C. Savii, M. Dragomirescu
<b>P221</b>	<b>Immobilisation of P450 BM-3 and an NADP<sup>+</sup> cofactor recycling system: towards a technical application of heme-containing monooxygenases in fine chemical synthesis</b>  S. C. Maurer, V. Urlacher, R. D. Schmid
<b>P222</b>	<b>Enzymatic synthesis of oligosaccharides on a dendrimeric soluble support</b>  R. Daniellou, <b>Ch. Le Narvor</b> , A. Lubineau
<b>P223</b>	<b>Immobilization of inulinase for sucrose hydrolysis</b>  R. Catana, <b>P. Fernandes</b> , B S. Ferreira, Joaquim M.S. Cabral
<b>P224</b>	<b>Improving geranyl acetate synthesis in supercritical fluids with zeolites</b>

	C. Peres, N. Harper, S. Barreiros
<b>P225</b>	<b>Crosslinking of proteins by peroxidase-mediated oxidative dehydrogenation in the presence of exogenous phenols</b>  C. G. Boeriu, G. Oudgenoeg, H. Gruppen, Willem J.H. van Berkel, Cees van Dijk
<b>P226</b>	<b>Investigation of kinetics of immobilized liver esterase by flow calorimetry</b>  F. Malík, V. Štefuca, V. Bálež
<b>P227</b>	<b>Taurine chlorination by myeloperoxidase/H<sub>2</sub>O<sub>2</sub>/Cl<sup>-</sup> system: A kinetic steady-state study</b>  D. R. Ramos, M. Canle L., M. V. García, Juan A. Santaballa, Ch. Obinger
<b>P228</b>	<b>The electrochemistry of haem proteins in nonaqueous solvents</b>  E. Magner, C. Grealis, D. O'Donoghue
<b>P229</b>	<b>The study of electrochemical properties of the redox enzymes in organic solvents</b>  A. Konash, E. Magner
<b>P230</b>	<b>The ideal biocatalyst: the new approach and its application in biocatalysis process development</b>  S. G. Burton, Don A. Cowan, J. M. Woodley
<b>P231</b>	<b>Opportunities and challenges for biocatalysis in the pharmaceutical industry</b>  D. R. Yazbeck, J. Tao, C. A. Martinez, B. J. Kline, S. Hu, D. Tat
<b>P232</b>	<b>From fermentation engineering to genetically engineered host cells: different approaches for optimization of bacterial glycosyltransferases production</b>  A. Bastida, M. Latorre, J. F. García, E. García-Junceda
<b>P233</b>	<b>Synergistic association of bacteria and a green microalga for the biodegradation of aromatic pollutants</b>  C. Nugier-Chauvin, X. Borde, H. Patin, R. Hatti-Kaul, Bo Mattiasson
<b>P234</b>	<b>Studies on biotransformations of hard carbon coatings (DLC &amp; NCD)</b>



	<p><b>Szczesna-Antczak M.</b>, Antczak T., Bielecki S., Kaczorowska A., Mitura S., Niedzielski P.</p>
<b>P235</b>	<p><b>Cell adaptation to substrate, solvent and product: a successful strategy to overcome product inhibition in a bioconversion system</b></p> <p><b>Carla C.C.R. de Carvalho</b>, M. Manuela R. da Fonseca</p>
<b>P236</b>	<p><b>Towards the bio-production of <i>trans</i>-carveol and carvone from limonene</b></p> <p><b>Carla C.C.R. de Carvalho</b>, M. Manuela R. da Fonseca</p>
<b>P237</b>	<p><b>Biodegradation of hydrocarbons under saline and non-saline conditions at 15 and 28°C</b></p> <p><b>Carla C.C.R. de Carvalho</b>, M. Manuela R. da Fonseca</p>
<b>P238</b>	<p><b>Biodegradation of motor oils at 16 and 28°C by <i>Rhodococcus erythropolis</i> DCL14</b></p> <p><b>Carla C.C.R. de Carvalho</b>, M. Manuela R. da Fonseca</p>
<b>P239</b>	<p><b>Preliminary studies on the optimisation of fermentation processes in batch culture for the production of erythromycin</b></p> <p><b>Maria H.L. Ribeiro</b>, I. A.C. Ribeiro</p>
<b>P240</b>	<p><b>Use of nitrile hydratase from <i>Brevibacterium imperiale</i> CBS 498-74 resting cells for propioamide production: a study in uf-membrane reactors</b></p> <p><b>M. Cantarella</b>, L. Cantarella, A. Gallifuoco, A.Spera, F. Alfani</p>
<b>P241</b>	<p><b>Biotransformations for the production of optically pure 1,2-<i>o</i>-isopropylidene glycerol</b></p> <p>R. Gandolfi, N. Ferrara, R. Gualndris, <b>F. Molinari</b></p>
<b>P242</b>	<p><b>Optimization of methylenedioxyphenyl-acetone chiral bioreduction</b></p> <p><b>B. Erdélyi</b>, A. Szabó, L. Birinesik</p>
<b>P243</b>	<p><b>Comparision of 1,3-dihydroxyaceton and L-erythrulose production of <i>Gluconobacter oxydans</i> ATCC 621h</b></p> <p><b>B. Kupcsulik</b>, B. Szikszai, B. Sevella</p>

<b>P244</b>	<b>Bioprocess development for ephedrine production</b>  B. Rosche, V. Sandford, N. Leksawasdi, A. Chen, G. Satianegara, C. Gunawan, M. Breuer, B. Hauer, P. Rogers
<b>P245</b>	<b>Process development for <i>R</i>-phenylacetylcarbinol (PAC) production in aqueous/organic two-phase biotransformation</b>  C. Gunawan, M. Breuer, B. Hauer, P. L. Rogers, B. Rosche
<b>P246</b>	<b>Preparation of an ephedrine chiral synthon by baker's yeast reduction of 1-phenyl-1,2-propanedione</b>  E. Lourenço, J. A. R. Rodrigues, P. J. S. Moran
<b>P247</b>	<b>Whole-cell bioconversion of L-phenylalanine to 2-phenylethanol with yeasts: medium optimization using a genetic algorithm</b>  J. Schrader, M. Etschmann, D. Sell
<b>P248</b>	<b>Production of alcohols and aldehydes by baker's yeast in a solid/ gas reactor</b>  V. Grizon, S. Lamare, Marie-Dominique Legoy
<b>P249</b>	<b>Action of hydrolytic enzymes on synthetic fibres</b>  A. O'Neill, C. Silva, F. Carneiro, G. M. Guebitz, A. Cavaco-Paulo
<b>P250</b>	<b>Novel enzyme applications on cotton cellulose</b>  T. Tzanov, M. Stamenova, A. Cavaco-Paulo
<b>P251</b>	<b>Enzymatic dyeing of keratinous materials</b>  T. Tzanov, E. Prada, C. J. Silva, A. Zille, A. Cavaco-Paulo
<b>P252</b>	<b>Chemo enzymatic preparation of D-alloisoleucine</b>  M. Cambié, P. D'Arrigo, L. Del Corona, E. Fasoli, S. Servi, D. Tessaro
<b>P253</b>	<b>Phospholipase D catalysed synthesis of phosphatidylserine in a hollow-fiber membrane reactor</b>  P. D'Arrigo, E. Fasoli, G. Fantoni Pedrocchi, S. Servi, D. Tessaro
<b>P254</b>	<b>Biosynthesis of sesquiterpene lactones in chicory and application of the enzymes involved</b>

	<b>M. C.R. Franssen</b> , Jan-Willem de Kraker, M. Schurink, H. J. Bouwmeester, A. de Groot
<b>P255</b>	<b>Enantioselective hydrolysis of 1-oxaspiro[2.5]octanes by yeast epoxide hydrolase</b>  C. Weijers, R. Herpers, P. Meeuwse, <b>M. Franssen</b>
<b>P256</b>	<b>Dynamic kinetic resolution of alcohols: complementary reactions in stereoselectivity</b>  Kiwon Han, Yong Il Chung, Yoon Kyung Choi, Han Ki Lee, <b>Mahn-Joo Kim</b> , J. Park
<b>P257</b>	<b>Applications of ionic liquids in biocatalysis: enhancement of enzyme activity and selectivity</b>  Sang Oh Jung, Jae Kwan Lee, Hyesun Jung, <b>Mahn-Joo Kim</b>
<b>P258</b>	<b><i>Acinetobacter</i> sp. lipase and its application to resolve 1,3-dioxolane</b>  <b>Chan Seong Cheong</b> , So Ha Lee
<b>P259</b>	<b>Screening and synthetic application of new bacterial alcohol dehydrogenase for enantioselective reduction of <math>\beta</math>-keto esters</b>  <b>Jie Zhang</b> , W. Duetz, B. Witholt, Zhi Li
<b>P260</b>	<b>Enantioselective <i>trans</i>-dihydroxylation of non-activated C-C double bond and enantioselective hydrolysis of racemic and <i>meso</i>-epoxides with <i>Sphingomonas</i> sp. HXN-200</b>  <b>D. Chang</b> , M. F. Heringa, Zeya Liu, Z. Wang, B. Witholt, Zhi Li
<b>P261</b>	<b>Purification and modelling of a soluble P450 monooxygenase in <i>Sphingomonas</i> sp. HXN-200</b>  <b>D. Chang</b> , M. Bonza, J. B. van Beilen, B. Witholt, Zhi Li
<b>P262</b>	<b><math>\beta</math>-<i>N</i>-Acetylhexosaminidase-catalysed synthesis of non-reducing oligosaccharides</b>  <b>J. Rauvolfová</b> , V. Přikrylová, L. Weignerová, M. Kuzma, M. Macková, P. Fialová, A. Pišvejcová, V. Křen
<b>P263</b>	<b>Chemical biomimetic synthesis and enzymatic conversions of the biogenic precursors artemisinic acid and arteannuin B</b>  D. R. Crestia, <b>C. Parsy</b> , A. J. Carnell, L. Iwanejko, P. M. O'Neill

<b>P264</b>	<p><b>Polymeric membranes synthesis for potable water production</b></p> <p>R.M.Ribeiro, <b>Gisela M. Zanin</b>, R. Bergamasco, M.L. Gimenes, B.P. Dias Filho</p>
<b>P265</b>	<p><b>Specifity of fungal keratinolytic proteases</b></p> <p>H. Gradisar, R. Jerala, <b>Jozefa Friedrich</b></p>
<b>P266</b>	<p><b>Is the aroma compound <math>\gamma</math>-decalactone produced by yeast in response to a membrane – rigidifying stress induced by the biotransformation medium?</b></p> <p><b>Mario Aguedo</b>, L. Beney, Y. Waché, F. Husson, Jean – Marc Belin</p>
<b>P267</b>	<p><b>Glycomimetics as selective tools for enzyme inhibition</b></p> <p>A.T. Carmona, F. Popowycz, S. Gerber-Lemaire, E. Rodriguez-Garcia, P. Vogel, <b>Inmaculada Robina</b></p>
<b>P268</b>	<p><b>Preparation of deazapurine nucleosides by microbial transglycosylation</b></p> <p>L. Betancor, M. Nobile, E. Lewkowicz, <b>Luis E. Iglesias</b>, A. M. Iribaren</p>
<b>P269</b>	<p><b>A surprising double oxidation of 7-phenylbicyclo[3.2.0]hept-2-en-6-one derivatives by <i>Cunninghamella echinulata</i> NRRL 3655</b></p> <p>I. J.S. Fairlamb, S. Grant, D. A. Maddrell, <b>Gideon Grogan</b></p>
<b>P270</b>	<p><b>Evaluation of the effect of resins and linker structures on Penicillin G acylase catalyzed hydrolysis of phenylacetic acid from solid supports</b></p> <p>A. Basso, P. Braiuca, <b>Ch. Carboni</b>, L. De Martin, L. Gardossi, C. Ebert, P. Linda. R. V. Ulijn, S. L. Fritch</p>