

Bibliography of carbohydrate polymers

(8 weeks journals. Search completed at 31st. Jan. 2001)

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As a service to subscribers, each issue of the Journal contains a bibliography of newly published material in the field of carbohydrate polymers. The bibliography is divided into thirteen sections: 1 Books, reviews & symposia; 2 Cellulose; 3 Cellulose-degrading enzymes; 4 Chitin/Chitosan; 5 Cyclodextrins; 6 Lignin; 7 Lipopolysaccharides; 8 Pectin; 9 Starch; 10 Starch-degrading enzymes; 11 Polysaccharides - Microbial; 12 Polysaccharides - Plant; 13 Polysaccharides - Other. Within each section, articles are listed in alphabetical order with respect to author. When there are no publications to appear under one of these headings, that section will be omitted.

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Chakar FS, Ragauskas AJ// Inst Paper Sci & Technol, 500 10th St NW, Atlanta, Ga 30318, USA
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Sun RC, Tomkinson J, Mao FC, Sun XF// Univ Wales, Biocomposites Ctr, Bangor LL57 2UW, Wales
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Choma A, Sowinski P, Mayer H// Marie Curie Sklodowska Univ, Dept Gen Microbiol, 19 Akad St, PL-20033 Lublin, Poland
Carbohydr Res 2000 **329** (2) 459

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Costachel C, Sansonetti PJ, Mulard LA*// *Inst Pasteur, GMB, Unite Chim Organ, 28 rue Dr Roux, FR-75724 Paris 15, France

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Vinogradov E, Radziejewska-Lebrecht J// Natl Res Council Canada, Inst Biol Sci, 100 Sussex Dr, Ottawa, Ontario, Canada K1A 0R6

Carbohydr Res 2000 **329** (2) 351

The structure of the carbohydrate backbone of the core-lipid A region of the lipopolysaccharide from *Proteus mirabilis* serotype O28

Wimmer N, Brade H, Kosma P*// *Agr Univ Vienna, Inst Chem, Muthgasse 18, AU-1190 Vienna, Austria

Carbohydr Res 2000 **329** (3) 549

Synthesis of neoglycoproteins containing D-glycero-D-talo-oct-2-ulopyranosylonic acid (Ko) ligands corresponding to core units from *Burkholderia* and *Acinetobacter* lipopolysaccharide

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Crandall PG, McCain AM// Univ Arkansas, Dept Food Sci, 2650 Young Ave, Little Rock, Ar 72204, USA

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Daas PJH, Boxma B, Hopman AMCP, Voragen AGJ, Schols HA*// *Univ Wageningen & Res Ctr, Dept Agrotechnol & Food Sci, Food Chem Lab, Bomenweg 2, NL-6703 HD Wageningen, The Netherlands

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Deconinck TJM, Ciza A, Sinnaeve GM, Laloux JT, Thonart P// Ctr Rech Agron Gembloux, Dept Qualite, 24 Chaussee Namur, BE-5030 Gembloux, Belgium

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Carbohydr Res 2000 **329** (2) 399

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Waterhouse ET, Washington C, Washington N*// *AstraZeneca, Dept Expt Med, Bakewell Rd, Loughborough LE11 5RH, England
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Zhou HW, Ben-Arie R, Lurie S*// *Agr Res Org, Volcani Ctr, Dept Postharvest Sci, IL-50250 Bet Dagan, Israel
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9. Starch

Angles MN, Dufresne A*// *Univ Grenoble 1, Ctr Rech Macromol Vegetales, CNRS, BP 53, FR-38041 Grenoble 9, France

Macromolecules 2000 **33** (22) 8344

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Batey IL, Curtin BM// CSIRO, Div Plant Ind, Grain Qual Res Lab, POB 7, North Ryde, NSW 2113, Australia
Cereal Chem 2000 **77** (6) 754

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Bertolini AC, Mestres C*, Colonna P, Raffi J// Ctr Cooperat Int Rech Agron Dev, TA 70/16 rue Jean-Francoise Breton, FR-34398 Montpellier 5, France
Carbohydr Polym 2001 **44** (3) 269

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Bettge AD, Giroux MJ, Morris CF// Washington State Univ, USDA/ARS, Western Wheat Qual Lab, Pullman, Wa 99164, USA
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Danjaji ID, Nawang R, Ishiaku US, Ismail H, Ishak ZAM// Univ Sains, Sch Ind Technol, MY-1800 George Town, Malaysia
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De Brabander C, Vervae C, Gortz JP, Remon JP*, Berlo JA// *State Univ Ghent, Pharmaceut Technol Lab, Harelbekestr 72, BE-9000 Ghent, Belgium
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Demirgoz D, Elvira C*, Mano JF, Cunha AM, Piskin E, Reis RL// *Univ Minho, Dept Polymer Engn, Campus Azurem, PT-4810-058 Guimaraes, Por-

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Fang Q, Hanna MA*// *Univ Nebraska, Ind Agr Prod Ctr, LW Chase Hall, Lincoln, Ne 68583, USA

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Jamnicks M, Bombeli T, Seifert B, Zollinger A, Camenzind V, Pasch T, Spahn DR*// *Univ Spital Zurich, Inst Anesthesiol, Ramistr 100, CH-8091 Zurich, Switzerland
Anesthesiology 2000 **93** (5) 1231

Low- and medium-molecule-weight hydroxyethyl starches: Comparison of their effect on blood coagulation

Kaneko S, Matsukura U, Gunya T, Osaka K, Momma M, Imai T// Minist Agr Forestry & Fisheries, Natl Food Res Inst, 2-1-2 Kannindai, Tsukuba, Ibaraki 305 8642, Japan
J Jpn Soc Food Sci Technol 2000 **47** (11) 815

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Kapoor B, Bhattacharya M// Univ Minnesota, Dept Biosystems & Agric Engr, St Paul, Mn 55108, USA

Carbohydr Polym 2001 **44** (3) 217

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Kaur K, Singh N*// *Guru Nank Dev Univ, Dept Food Sci & Technol, IN-143005 Amritsar, India

Food Chem 2000 **71** (4) 511

Amylose-lipid complex formation during cooking of rice flour

Ke TY, Sun XZ*// *Kansas State Univ, Dept Grain Sci & Ind, Manhattan, Ks 66506, USA
Cereal Chem 2000 **77** (6) 761

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Kou Y, Dickinson LC, Chinachoti P*// *Univ Massachusetts, Dept Food Sci, Amherst Ma 01003, USA
J Agric Food Chem 2000 **48** (11) 5489

Mobility characterization of waxy corn starch using wide-line ^1H nuclear magnetic resonance

Lai LS, Chao SJ// Providence Univ, Dept Food & Nutr, 200 Chungchi Rd, Taichung 433, Taiwan
J Food Sci 2000 **65** (6) 954

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Lee EY, Lim KI, Lim JK, Lim ST*// *Korea Univ, Grad Sch Biotechnol, Seoul 136701, South Korea
Cereal Chem 2000 **77** (6) 769

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Manelius R, Buleon A, Nurmi K, Bertoft E*// *Abo Akad Univ, Dept Biochem & Pharm, POB 66, FI-20521 Turku, Finland
Carbohydr Res 2000 **329** (3) 621

The substitution patterns of cationised and oxidised potato starch granules

Mano JF, Reis RL, Cunha AM// Univ Minho, Dept Polymer Engn, Campus

Azurem, PT-4800 Guimaraes, Portugal
J Appl Polym Sci 2000 **78** (13) 2345
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Moates GK, Noel TR*, Parker R, Ring SG// Inst Food Res, Food Biopolymer Sect, Norwich Res Park, Colney Lane, Norwich NR4 7UA, England
Carbohydr Polym 2001 **44** (3) 247
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Noda T, Kobayashi T, Suda I// MAFF, Kyushu Nat Agric Expt Stn, Dept Crop Breeding, 2421 Suya, Nishigoshi, Kumamoto 861 1102, Japan
Carbohydr Polym 2001 **44** (3) 239
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Psota V, Bohacenko I, Pytela J, Vydrova H, Chmelik J// Res Inst Brewing & Malting, Mostecka 7, CZ-61400 Brno, Czech Republic
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Richardson PH, Jeffcoat R, Shi YC// Natl Starch & Chem Corp, 10 FINDERSE Ave, Bridgewater, NJ 08807, USA
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Sekine M, Otake K, Sugiyama J, Kawamura Y// Saitama Ind Technol Ctr, Nthn Lab, Suehrio 2-133, Kumagaya, Saitama 360 0031, Japan
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Stojanovic Z, Jeremic K*, Jovanovic S// *Univ Belgrade, Fac Technol & Met, Karnegijeva 4, YU-11000 Belgrade, Yugoslavia
Starch 2000 **52** (11) 413
 Synthesis of carboxymethyl starch

Suvorova AI, Tyukova IS, Trufanova EI// Ural State Univ, 51 prosp Lenina, RU-620083 Ekaterinburg, Russia
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 Biodegradable polymeric materials based on starch (Russian)

Thakore IM, Desai S, Devi S*// *Maharaja Sayajirao Univ Baroda, Fac Sci, Dept Chem, IN-390002 Vadodara, India
J Appl Polym Sci 2001 **79** (3) 488
 Compatibility and biodegradability of PMMA-starch cinnamate blends in various solvents

Thakore IM, Desai S, Sarawade BD, Devi S*// *Address as above.
Eur Polym J 2001 **37** (1) 151
 Studies on biodegradability, morphology and thermomechanical properties of LDPE/modified starch blends

Van der Burgt YEM, Bergsma J, Bleeker IP, Mijland PJHC, Van der Kerkvan Hoof A, Kamerling JP*, Vliegthart JFG// *Univ Utrecht, Bijvoet Ctr, Dept Bioorgan Chem, POB 80-075, NL-3508 TB Utrecht, The Netherlands
Carbohydr Res 2000 **329** (2) 341
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Wang YJ, Wang LF// Univ Arkansas, Dept Food Sci, Fayetteville, Ar 72704, USA
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Wu JH, Lin JM, Zhou M, Wei CR// Huaqiao Univ, Inst Mat Phys Chem, CN-362011 Fujian, Peoples Rep China
Macromol Rapid Commun 2000 **21** (15) 1032
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Yan L, Fairclough R, Bhawe M*// *Univ Calif, Dept Agron & Range Sci, Davis, Ca 95616, USA
J Cereal Sci 2000 **32** (3) 245
 A novel starch granule-bound protein in endosperm of wheat

Zhou GW, Willett JL*, Carriere CJ// *USDA/ARS, Natl Ctr Agr Utilizat Res, Plant Polymer Res Unit, 1815 Nth Univ St, Peoria, Il 61604, USA
Rheol Acta 2000 **39** (6) 601
 Temperature dependence of the viscosity of highly starch-filled poly(hydroxy ester ether) biodegradable composites

10. Starch-degrading enzymes

Arica MY, Yavuz H, Patir S, Denizli A// Kirikkale Univ, Fac Sci, Dept Biol, TR-71450 Kirikkale, Turkey
J Mol Catal B-Enzym 2000 **11** (2-3) 127
 Immobilization of glucoamylase onto spacer-arm attached magnetic poly (methylmethacrylate) microspheres: Characterization and application to a continuous flow reactor

Battle N, Carbonell JV, Sendra JM*// *CSIC, Inst Agroquim & Tecnol Alimentos, POB 73, ES-46100 Valencia, Spain
Biotechnol Bioeng 2000 **70** (5) 544
 Determination of depolymerization kinetics of amylose, amylopectin, and soluble starch by *Aspergillus oryzae* α -amylase using a fluorimetric 2-*p*-toluidinylnaphthalene-6-sulfonate/flow-injection analysis system

Bignell GR, Bruce IJ, Evans IH*// *Univ Greenwich, Sch Chem & Life Sci, Wellington St, London SE18 6PF, England
Biotechnol Lett 2000 **22** (21) 1713
 Amylolytic enzymes of *Lipomyces starkeyi*: Purification and size-determination

Bryjak J, Murlikiewicz K, Zbicinski I, Stawczyk J// Wroclaw Univ Technol, Dept Chem Engn, ul Norwida 4-6, PL-50373 Wroclaw, Poland
Bioprocess Eng 2000 **23** (4) 351
 Application of artificial neural networks to modelling of starch hydrolysis by glucoamylase

Khan SMA, Reilly PJ*, Ford C// *Iowa State Univ, Dept Biochem Biophys & Mol Biol, Ames, Ia 50011, USA
Starch 2000 **52** (11) 385
 Thermal and molecular characterization of *Aspergillus awamori* glucoamylase catalytic and starch-binding domains

Kovaleva TA// Voronezh State Univ, Universitetskaya Pl 1, RU-394693 Voronezh, Russia
Biofizika 2000 **45** (3) 439
 Kinetic and thermodynamic aspects of catalysis of polysaccharides by native and immobilized amylases (Russian, English Abstract)

Marlida Y, Saari N*, Hassan Z, Radu S, Bakar J// *Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Food Sci, MY-43400 Serdang, Selangor, Malaysia
Food Chem 2000 **71** (2) 221
 Purification and characterization of sago starch-degrading glucoamylase from *Acremonium* sp. endophytic fungus

Marlida Y, Saari N*, Hassan Z, Radu S// *Address as above.
World J Microbiol Biotechnol 2000 **16** (6) 573
 Raw starch-degrading enzyme from newly isolated strains of endophytic fungi

Noda T, Furuta S, Suda I// MAFF, Kyushu Nat Agric Expt Stn, Dept Crop Breeding, 2421 Suya, Nishigoshi, Kumamoto 861 1102, Japan
Carbohydr Polym 2001 **44** (3) 189
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