SUBJECT INDEX

- Activation of glycosyl fluorides, "dibutylin diperchlorate" for, 49
- Acylated and partially acylated glycosyl fluorides, preparation and reactions of, 197
- Amino acid-sugar conjugates, stereoselective synthesis of. A novel class of amino sugars, 399
- Amino-3-fluoro-2-hydroxybutanoyl] derivatives of kanamycins, study on fluorination-toxicity relationships. Syntheses of 1-N-[(2R,3R)-and (2R,3S)-4-, 57
- Anchimeric assistance of a diallylamino group; application to the synthesis of some methyl aminofluoropentofuranosides, fluorination by, 19
- Anomeric protection and activation based on the conversion of glycosyl azides into glycosyl fluorides, new method of, 221
- Antithrombotic agents, potential, synthesis of the 2- and 4-monomethyl ethers and the 4-deoxy-4-fluoro derivative of 4-cyanophenyl 1,5-dithio-β-D-xylopyranoside as, 39
- α-I.-Arabinofuranosidases and (1 → 4)-β-Darabinoxylan arabinofuranohydrolase, mode of action on alkali-extractable wheat-flour arabinoxylan, 345
- Arabinogalactans of Mycobacterium, Rhodococcus, and Nocardia spp., major structural features of the cell wall, 383
- β -D-Arabinoxylan arabinofuranohydrolase and α-L-arabinofuranosides, mode of action on alkali-extractable wheat-flour arabinoxylan of (1 \rightarrow 4)-, 345
- Arabinoxylan, characterisation by ¹H NMR spectroscopy of oligosaccharides derived from alkali-extractable wheat-flour, 369
- Arabinoxylans, mode of action of xylan-degrading enzymes from Aspergillus awamori on alkali-extractable cereal, 355
- Blood-group A and B specified glycosyltransferases, recognition of synthetic deoxy and

- deoxyfluoro analogs of the acceptor α -L-Fuc p- $(1 \rightarrow 2)$ - β -D-Gal p-OR by the, 163
- Brain-targeted 1-(2-deoxy-2-fluoro-β-D-ribofuranosyl)-(E)-5-(2-iodovinyl)uracil coupled to a dihydropyridine = pyridium salt redox chemical-delivery system, synthesis of, 109
- Cellooligosaccharide derivatives using β -lactosyl fluoride, facile enzymatic synthesis of, 127
- Conformations in aqueous solution, (13C)-substituted sucrose: 13C-1H and 13C-13C spin coupling constants to assess furanose ring and glycosidic bond, 281
- Conformations of 2,6-cis- and 2,6-trans-substituted dihydropyran-3-ones, solid-state, 305
- Cryptococcus neoformans, glucuronoxylomannan of, obtained from patients with AIDS, 405
- Crystal structures of cyclomaltoheptaose (β-cyclodextrin) complexed with ethylene glycol · 8H₂O and glycerol · 7.2H₂O, 327
- Cyclomaltoheptaose (β-cyclodextrin) complexed with ethylene glycol·8H₂O and glycerol· 7.2H₂O, crystal structures of, 327
- Defluorination of 4-deoxy-4-fluoro-D-glucose in Pseudomonas putida, 207
- Deoxyfluoro analogs of the acceptor α -L-Fuc p- $(1 \rightarrow 2)$ - β -D-Gal p-OR by the blood-group A and B specified glycosyltransferases, recognition of synthetic deoxy and, 163
- Deoxy-4-fluoro-p-glucose in *Pseudomonas puti*da, defluorination of 4-, 207
- Deoxy-2-fluoro mono- and oligo-saccharide glycosides from glycals and evaluation as glycosidase inhibitors, syntheses of 2-, 77
- Diallylamino group; application to the synthesis of some methyl aminofluoropentofuranosides, fluorination by anchimeric assistance of a, 19
- 1,2-Di-O-acetyl-5-O-benzoyl-3-deoxy-3-fluoro-D-xylofuranose. A versatile precursor for the synthesis of 3-deoxy-3-fluoro-β-D-xylofuran-

- osyl nucleosides as potential antiviral agents,
- Di- and tri-saccharides, facile synthesis of acetylated glycosyl fluorides derived from, 91
- "Dibutylin diperchlorate" for activation of glycosyl fluorides, 49
- Dideoxy-2-fluoro-3-C-methylpentose-containing nucleosides via [3,3]-sigmatropic rearrangements, synthesis of 2,3-, 139
- Diethylaminosulfur trifluoride (DAST) and formation of unexpected products, fluorination of methyl 6-deoxy-1-thiohexopyranosides with, 275
- Difluoro-1,3-dienes with aldehydes, synthetic approach to 4-deoxy-4,4-difluoropyranosides via cycloaddition of 2,4-dialkoxy-1,1-, 243
- Difluoromethylenediphosphonates substituted with fluorine at C-2' of the adenosine, synthesis of thiazole-4-carboxamide-adenine, 95
- Difluoropyranosides via cycloaddition of 2,4-dialkoxy-1,1-difluoro-1,3-dienes with aldehydes, synthetic approach to 4-deoxy-4,4-, 243
- Dihydropyran-3-ones, solid-state conformations of 2,6-cis- and 2,6-trans-substituted, 305
- Dihydropyridine = pyridium salt redox chemical-delivery system, synthesis of braintargeted 1-(2-deoxy-2-fluoro-β-p-ribofuranosyl)-(E)-5-(2-iodovinyl)uracil coupled to a, 109
- Enzymatic synthesis of cellooligosaccharide derivatives using β -lactosyl fluoride, facile, 127
- Enzymes from Aspergillus awamori, mode of action on alkali-extractable cereal arabinoxylans of xylan-degrading, 355
- Enzymically derived oligosaccharides from alkali-extractable wheat-flour arabinoxylan, characterisation by ¹H NMR spectroscopy, 369
- Ethylene glycol·8H₂O and glycerol·7.2H₂O complexes of cyclomaltoheptaose (β-cyclodextrin), crystal structures of, 327
- Facile enzymatic synthesis of cellooligosaccharide derivatives using β -lactosyl fluoride, 127
- Facile synthesis of acetylated glycosyl fluorides derived from di- and tri-saccharides, 91
- Fluorination by anchimeric assistance of a diallylamino group; application to the synthesis of some methyl aminofluoropentofuranosides, 19
- Fluorination correlation, synthesis DL-1-deoxy-1-fluoro-6-O-methyl-chiro-inositol: confirmation of a structural-DAST, 259

- Fluorination of methyl 6-deoxy-1-thiohexopyranosides with diethylaminosulfur trifluoride (DAST) and formation of unexpected products. 275
- Fluorination-toxicity relationships. Syntheses of 1-N-[(2R,3R)- and (2R,3S)-4-amino-3-fluoro-2-hydroxybutanoyl] derivatives of kanamycins, study on, 57
- Fluorine-labeled glycogen particles, direct ¹⁹F NMR titration of phosphorylase molecules binding to, 253
- Fluorolactose and derivatives, 2-(trimethylsilyl) ethyl glycosides: synthesis of 3'- and 4'-de-oxy, 117
- Fluoro-D-xylofuranose. A versatile precursor for the synthesis of 3-deoxy-3-fluoro-β-D-xylofuranosyl nucleosides as potential antiviral agents, 1,2-di-O-acetyl-5-O-benzoyl-3-deoxy-3-, 1
- Furanosyl linkages in liquid hydrogen fluoride, highly selective cleavage of, 265
- Glucuronoxylomannan of Cryptococcus neoformans obtained from patients with AIDS, 405
- Glycosidase inhibitors, syntheses of 2-deoxy-2fluoro mono- and oligo-saccharide glycosides from glycals and evaluation as, 77
- Glycosyl fluorides derived from di- and tri-saccharides, facile synthesis of acetylated, 91
- Glycosyl fluorides, "dibutylin diperchlorate" for activation of, 49
- Glycosyl fluorides, preparation and reaction of acylated and partially acylated, 197
- Glycosyl fluorides, new method of anomeric protection and activation based on the conversion of glycosyl azides into, 221
- Hydrogen fluoride, highly selective cleavage of furanosyl linkages in liquid, 265
- Inositol: confirmation of a structural-DAST fluorination correlation, synthesis of DL-1-deoxy-1-fluoro-6-O-methyl-chiro-, 259
- Kanamycins, study on fluorination-toxicity relationships. Syntheses of, 1-N-[(2R,3R)- and (2R,3S)-4-amino-3-fluoro-2-hydroxybutanoyl] derivatives of, 57
- Mode of action of $(1 \rightarrow 4)$ - β -D-arabinoxylan arabinofuranohydrolase and α -L-arabinofuranosidases on alkali-extractable wheat-flour arabinoxylan, 345
- Mycobacterium, Rhodococcus, and Nocardia spp., major structural features of the cell wall arabinogalactans of, 383

- New method of anomeric protection and activation based on the conversion of glycosyl azides into glycosyl fluorides, 221
- NMR titration of phosphorylase molecules binding to fluorine-labeled glycogen particles, direct ¹⁹F, 253
- Oligosaccharides derived from alkali-extractable wheat-flour arabinoxylan by digestion with endo-(1 → 4)-β-D-xylanase III from Aspergillus awamori, characterisation by ¹H NMR spectroscopy, 369
- Phosphorylase molecules binding to fluorinelabeled glycogen particles, direct ¹⁹F NMR titration of, 253
- Preparation and reactions of acylated and partially acylated glycosyl fluorides, 197
- Pseudomonas putida, defluorination of 4-deoxy-4-fluoro-p-glucose in, 207
- Recognition of synthetic deoxy and deoxyfluoro analogs of the acceptor α -L-Fuc p-(1 \rightarrow 2)- β -D-Gal p-OR by the blood-group A and B specified glycosyltransferases, 163
- Selective cleavage of furanosyl linkages in liquid hydrogen fluoride, highly, 265
- Sigmatropic rearrangements, synthesis of 2,3-dideoxy-2-fluoro-3-C-methylpentose-containing nucleosides via [3,3]-, 139
- Solid-state conformations of 2,6-cis- and 2,6-trans-substituted dihydropyran-3-ones, 305
- Sucrose, (¹³C)-substituted: ¹³C-¹H and ¹³C-¹³C spin coupling constants to assess furanose ring and glycosidic bond conformations in aqueous solution, 281
- Sugar-amino acid conjugates, stereoselective synthesis of. A novel class of amino sugars, 300
- Sugars, amino, a novel class of. Stereoselective synthesis of sugar-amino acid conjugates, 399
- Syntheses of 2-deoxy-2-fluoro mono- and oligosaccharide glycosides from glycals and evaluation as glycosidase inhibitors, 77
- Synthesis of 3'- and 4'-deoxyfluorolactose and derivatives, 2-(trimethylsilyl)ethyl glycosides:, 117

- Synthesis of brain-targeted 1-(2-deoxy-2-fluoroβ-D-ribofuranosyl)-(E)-5-(2-iodovinyl)uracil coupled to a dihydropyridine

 pyridium salt redox chemical-delivery system, 109
- Synthesis of DL-1-deoxy-1-fluoro-6-O-methylchiro-inositol: confirmation of a structural-DAST fluorination correlation, 259
- Synthesis of 2,3-dideoxy-2-fluoro-3-C-methylpentose-containing nucleosides via [3,3]sigmatropic rearrangements, 139
- Synthesis of the 2- and 4-monomethyl ethers and the 4-deoxy-4-fluoro derivative of 4-cyanophenyl 1,5-dithio-β-p-xylopyranoside as potential antithrombotic agents, 39
- Synthesis of thiazole-4-carboxamide-adenine difluoromethylenediphosphonates substituted with fluorine at C-2' of the adenosine, 95
- Synthetic approach to 4-deoxy-4,4-difluoropyranosides via cycloaddition of 2,4-dialkoxy-1,1-difluoro-1,3-dienes with aldehydes, 243
- Thiazole-4-carboxamide-adenine difluoromethylenediphosphonates substituted with fluorine at C-2' of the adenosine, synthesis of, 95
- Thiohexopyranosides with diethylaminosulfur trifluoride (DAST) and formation of unexpected products, fluorination of methyl 6-deoxy-1-, 275
- 2-(Trimethylsilyl)ethyl glycosides: synthesis of 3'and 4'-deoxyfluorolactose and derivatives, 117
- Versatile precursor for the synthesis of 3-deoxy-3-fluoro-β-D-xylofuranosyl nucleosides as potential antiviral agents, 1,2-di-O-acetyl-5-O-benzoyl-3-deoxy-3-fluoro-D-xylofuranose. A, 1
- Xylan-degrading enzymes from Aspergillus awamori, mode of action on alkali-extractable cereal arabinoxylans, 355
- β -D-Xylopyranoside, 4-cyanophenyl 1,5-dithio- β -D-, synthesis of the 2- and 4-monomethyl ethers and the 4-deoxy-4-fluoro derivative of, as potential antithrombotic agents, 39