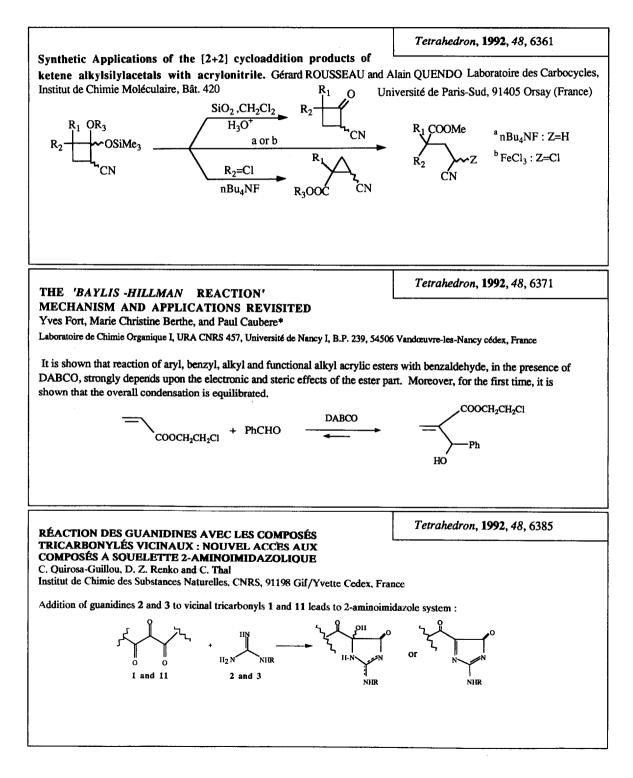
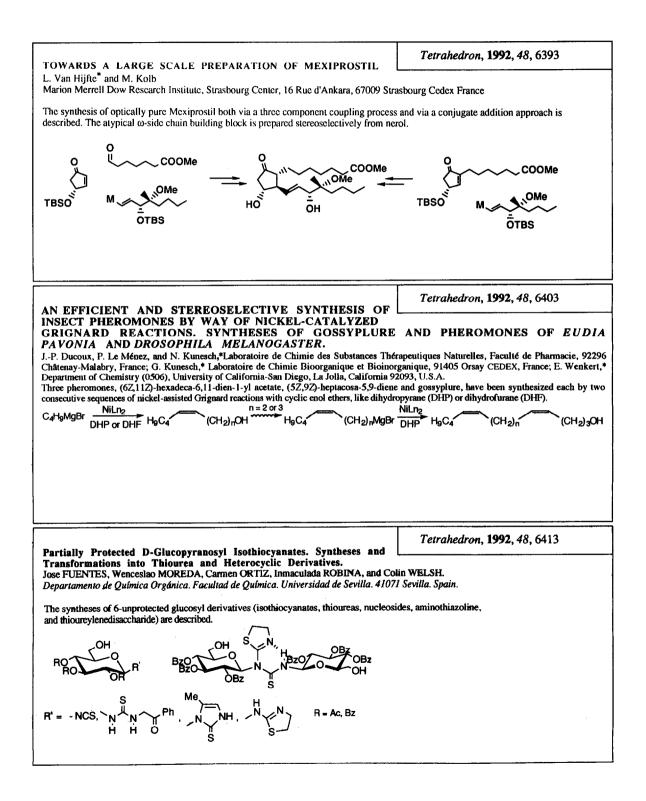
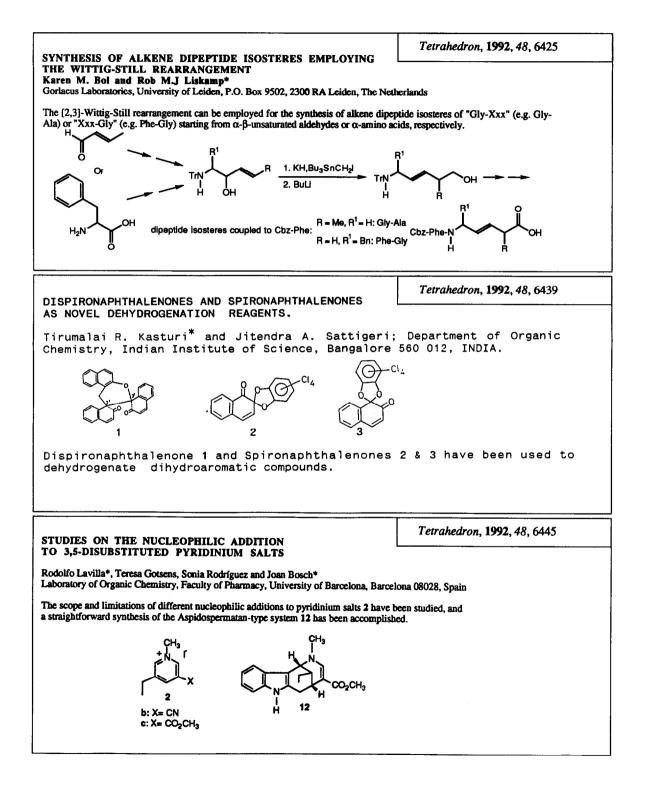
GRAPHICAL ABSTRACTS







	Tetrahedron, 1992 , 48, 6455
l	· · · · · · · · · · · · · · · · · · ·
ALLYLIC FUNCTIONALIZATION OF THE 1,7-DIOXASPIRO[5.5]UNDEC-4-ENE AND 1,6,8-TRIOXADISPIRO[4.1.5.3]PENTADEC-13-ENE RING SYSTEMS. Margaret A.Brimble [*] , Michael K. Edmonds and Geoffrey M. Williams Department of Chemistry and Biochemistry, Massey University, Palmerston North, New Zealand.	
$\begin{array}{c} & & & \\ & &$	
EFFECT OF CLAY CALCINATION ON CLAY-CATALYSED DIELS-	Tetrahedron, 1992, 48, 6467
EFFECT OF CLAY CALCINATION ON CLAY-CATALYSED DIELS- ALDER REACTIONS OF CYCLOPENTADIENE WITH METHYL AND (-)-MENTHYL ACRYLATES. C. Cativiela, F. Figueras#, J.M. Fraile, J.I. García, J.A. Mayoral*, L.C. de Menorval#, E. Pires. Universidad de Zaragoza-C.S.I.C. 50009-Zaragoza (Spain). #URA 418, C.N.R.S. E.N.S.C.M., 34053 Montpellier (France) Calcined Zn(II) and Fe(III)-exchanged K10 montmorillonites are better catalysts than dried clays in the reaction between methyl acrylate and cyclopentadiene. Calcined Zn(II) clay again shows higher catalytic activity and leads to better diasteromeric excess in the reaction of (-)-menthyl acrylate with cyclopentadiene. Furthermore, calcined clays are easily recovered with no loss of catalytic properties. $ \begin{array}{c} \hline COOR^* + \overbrace \\ \hline COOR^* \\ \hline \\ \hline$	
	Tetrahedron, 1992 , 48, 6477
VINYL CARBONATES AS NOVEL ALKOXYCARBONYLATION REAGENTS IN ENZYMATIC SYNTHESIS OF CARBONATES. Marcos Pozo, Rosalino Pulido and Vicente Gotor* Departamento de Química Orgánica e Inorgánica, Facultad de Química, Universidad de Oviedo, 33071 Oviedo, Spain Abstract: Vinyl carbonates can be used in the enzymatic synthesis of carbonates, carbamates and in the resolution of racemic alcohols.	
$ROCO_2CH=CH_2 + R'OH \longrightarrow R'OCO_2R$	
$ROCO_2CH=CH_2 + n-BuNH_2$ $n-BuNHCO_2R$	

SYNTHESIS AND STUDY OF CHLORIN AND PORPHYRIN DIMERS WITH ETHER LNKAGE

Tetrahedron, 1992, 48, 6485

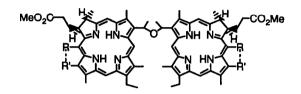
Tetrahedron, 1992, 48, 6495

0000Hz

Alexander S Brandis, Andrey N Kozyrev, Andrey F Mironov

M.V.Lomonosov Institute of Fine Chemical Technology, Moscow 117571, Russia

Novel dimers of chlorophyll compounds with ether linkage were synthesized.

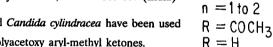


REGIOSELECTIVE DEACYLATION OF POLYACETOXY ARYL-METHYL KETONES BY LIPASES IN ORGANIC SOLVENTS

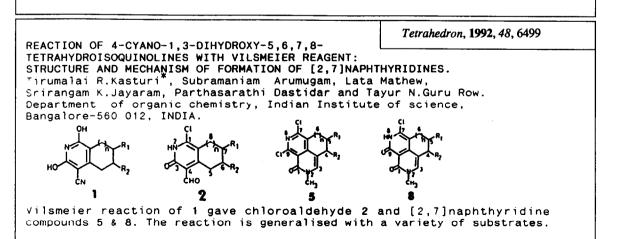
VS Parmar*, AK Prasad, NK Sharma, SK Singh, HN Pati and Suman Gupta

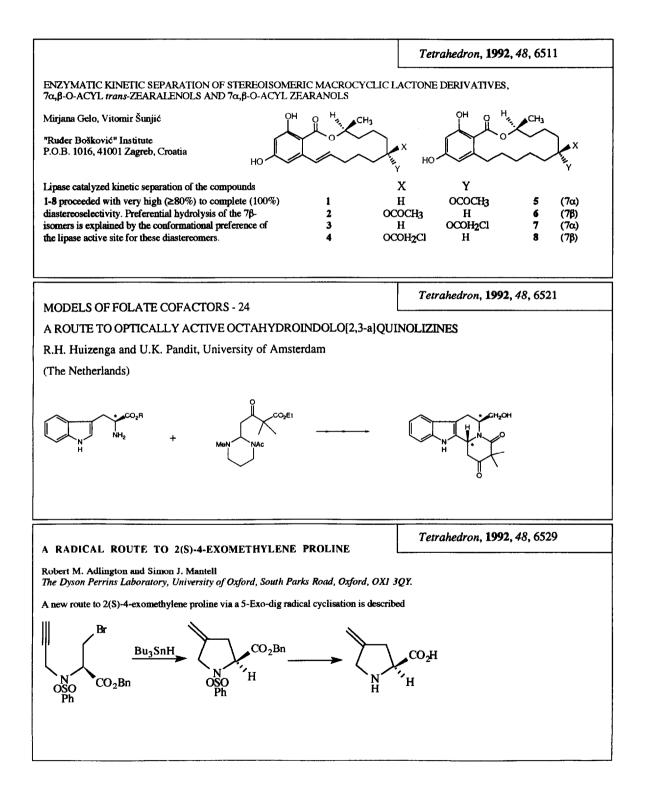
Department of Chemistry, University of Delhi, Delhi - 110 007 (India)

Lipases from Porcine pancreas and *Candida cylindracea* have been used for regioselective deacylation of polyacetoxy aryl-methyl ketones.



 $(RO)_{n}$





Tetrahedron, 1992, 48, 6537

Solution Structures of Nonameric and Decameric Branched-RNA Modelling the Lariat of Group II and Nuclear pre-mRNA Introns (Splicing) by 500 MHz NMR Spectroscopy

Peter Agback, Corine Glemarec, Christian Sund & Jyoti Chattopadhyaya* Department of Bioorganic Chemistry, Box 581, Biomedical Center, University of Uppsala, S-751 23 Uppsala, Sweden

Solution structures of nonameric and decameric branched RNAs have been elucidated by 500 MHz NMR spectroscopy (HOHAHA, DQFCOSY, NOESY & ROESY) and compared with the constituent trimeric, pentameric and heptameric branched RNAs. These studies showed that the tertiary structures of all branched RNAs are dictated by the constraint about the $2'\rightarrow 5'$ phosphate. The $2'\rightarrow 5'$ constraint was found to be however much stronger in trimer 1 and pentamer 3 than in tetramer 2, heptamer 4, nonamer 5, and decamer 6.