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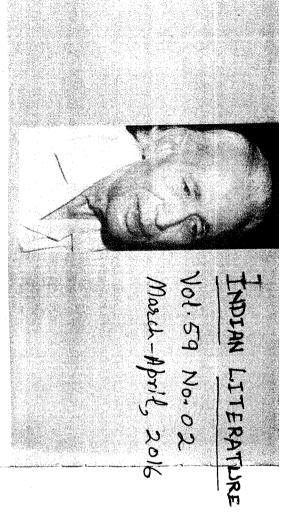
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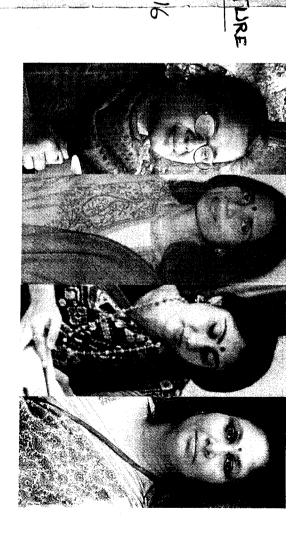
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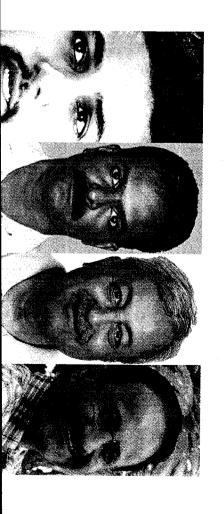
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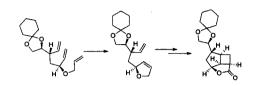
Journal of Chemical Sciences

[Formerly: Proceedings (Chemical Sciences)]

Vol. 128, No. 7, July 2016

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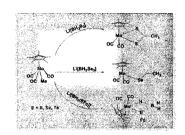
Regular Articles



A simple approach to the construction of the core structure present in bielschowskysin and hippolachnin A

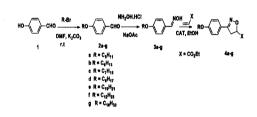
Ritabrata Datta, Malasala Sumalatha and Subrata Ghosh. . . . 1019–1023

Synthesis of oxacyclobutapentalene, the core structure of bielschowskysin and hippolachnin A, has been achieved through ring closing metathesis and Cu(I)-catalysed intramolecular [2+2] photocycloaddition as the key steps.



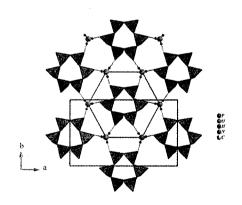
Reactivity of [Cp*Mo(CO)₃Me] with chalcogenated borohydrides Li[BH₂E₃] and Li[BH₃EFc] (Cp* = $(\eta^5$ -C₅Me₅); E = S, Se or Te; Fc = $(C_5H_4$ -Fe-C₅H₄))

Reactivity of $[Cp*Mo(CO)_3Me]$ with various chalcogenide ligands such as, $Li[BH_2E_3]$ and $Li[BH_3EF_c]$ (E = S, Se or Te; Fc = $(C_5H_5$ -Fe- $C_5H_4)$), generated novel molybdenum thiolate and agostic borate complexes respectively.



Synthesis of new series of 4, 5-dihydroisoxazole-5-carboxylate derivatives for the study of their liquid crystalline properties

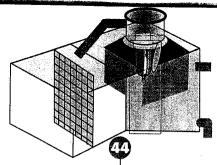
Synthesis and characterization of a few isoxazoline derivatives and their liquid crystalline properties are described.



Synthesis and Characterization of a new Cyclohexaphosphate, $(C_9H_{14}N)_4(H_3O)_2(P_6O_{18})$

Structure and physicochemical properties of a new cyclohexaphosphate, $(C_9H_{14}N)_4(H_3O)_2(P_6O_{18})$, are discussed on the basis IR spectrum, solid state MAS-NMR and X-ray crystal structure. The cyclohexaphosphate anion, with chair conformation, is generated by crystallographic inversion symmetry. The atomic arrangement can be described by thick layers built by P_6O_{18} anions and H_3O^+ cations parallel to the (a, b) plane. Each cyclohexaphosphate group is connected to its adjacent neighbors by six hydronium ions through strong O-H...O hydrogen bonds.





Tilting the balance
The use of artificial light
during night has led to early

onset of spring in the UK

TECHNOLOGY Too soon to celebrate

Bio-toilets are gaining ground. But emerging challenges could defeat their very purpose



Piracy's upside

Piracy may cause copyright violation of artistes' work. but it also brings in fame and popularity

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farmers in more than half of the country by 2050



Adversity is the best teacher Residents of

drought-scarred Bundelkhand know how to manage their region



ANALYSIS Time to bid adieu

Around 20 per cent of India's coalbased power plants have completed their life. It is time to shut them down



Gender

(in)sensitive Modern medicine and clinical trials have been male-centric. The trend is now changing



DEBATE Gauging GDP's efficacy

A new book tries to evaluate whether Gross Domestic Product is a true and accurate measure of growth and prosperity



OPINION Ambiguous perks of GI tag

Will Protected Geographical Indication for Darjeeling tea act as safety-net for small growers in times of crisis?



HEALTH Return of the black fever

Treating kala-azar, or visceral leishmaniasis, is becoming difficult due to new complications



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India luctions

Review of Rural Affairs

In this issue of the Review of Rural Affairs the focus is on village studies. Five papers present the results of restudies of villages, three of which were first studied by British anthropologists in the 1950s. One paper discusses the theoretical and methodological challenges of undertaking such village restudies while two others study villages in Uttar Pradesh. The results of an evaluation of rural Nagaland are presented in yet another paper.

Revisiting the Rural in 21st Century India

This introductory essay presents the context in which village studies emerged as a method of understanding rural society and economy in India, and the significance of going back to the village to try and understand the changing dynamics of caste, class and gender in 21st century India. — Surinder S Jodhka

Land, Labour and Power: A Malwa Village, 1954-2012

Jamgod in Dewas district of Madhya Pradesh was first studied by Adrian C Mayer in the 1950s, and restudied in the period between 2012 and 2014. The results suggest that even as there have been significant changes in the economic landscape of the village, factors like land, labour and power continue to determine the nature of the village in rural India, and its connections with the wider world. — *Tommaso Sbriccoli*

Migration, Bachelorhood and Discontent among the Patidars

Restudying Sundarana in Central Gujarat, which was first studied by David Pocock in the 1950s, this paper revisits the relatively prosperous agricultural Patidar community. Its members are coming to terms with new markers of status which are linked to securing employment away from land, possibly to move away from the village and preferably secure a job overseas. — Alice Tilche

F G Bailey's Bisipara Revisited

This restudy of a village first studied by F G Bailey in the 1950s tries to understand the issue of temple entry in Bisipara. The unsuccessful attempts to enter the Shiva temple described by Bailey are compared to more recent events surrounding it, and are discussed as a manifestation of contested postcolonial identity politics. — *Tina Otten, Edward Simpson*

Village Studies: Trials and Tribulations

33 Describing the conception of the project to restudy three villages, first studied by British anthropologists in the 1950s, this paper discusses the value of good record-keeping, the importance of reflexivity, the theoretical and methodological challenges of taking up such studies, and also the charm of working with two of the original researchers. — Edward Simpson

Non-farm Diversification, Inequality and Mobility in Palanpur

Over the past seven decades social scientists have studied Palanpur in Uttar Pradesh several times. This paper documents the changes in intergenerational mobility, the nature of the shift in employment to non-farm occupations especially in poorer households, and the importance of networks and family ties in finding better, more remunerative employment. — *Himanshu, Bhavna Joshi & Peter Lanjouw*

Inequality in Rural Nagaland: Changing Structures and Mechanisms

Challenging the usual perception that tribal villages are more egalitarian compared to the caste-structured villages of India, this paper argues that class and status are determined more by the ability to move away from the village than by clan rank or the organisation of agriculture alone, which are otherwise considered significant determinants of mobility. — Andreas Küchle

Agrarian Transformation and the New Rurality in Wester Uttar Pradesh

Khanpur in Uttar Pradesh was first studied by the author in 2004–05 and once again a decade later. The results of the study suggest that with the rise in non-farm employment opportunities, changing demographics, more educational opportunities, and increased mobility of castes and communities, there have been changes in the nature and culture of rural life in the region. — Satendra Kumar

Economic and Political Weekly SUPPLEMENT

Printed by K Vijayakumar at Modern Arts and Industries, 151, A-Z Industrial Estate, Ganpatrao Kadam Marg, Lower Parel, Mumbai-400013 and published by him on behalf of Sameeksha Trust from 320-321, A-Z Industrial Estate, Ganpatrao Kadam Marg, Lower Parel, Mumbai-400013 Editor: Paranjoy Guha Thakurta.

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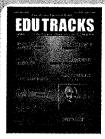
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