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## Contents

<b>Subject</b>	<b>Page No.</b>
Biology	2
Chemistry	3
Earth Sciences	6
Physics	7
Others	8

## Biology

Author(s) **Rikhy, Richa; Kumar, Vimlesh; Basole, Amit; Sanyal, Subhabrata**  
Title Remembering K. S. Krishnan (1946-2014)  
Name of the Journal Journal of Neurogenetics  
Volume No. 29  
Issue No. 1  
Pages 1-3  
Date of Publication MAR-15  
Name of the Publisher Informa Healthcare  
DOI 10.3109/01677063.2014.943890

Author(s) **Mallick, Abhik; More, Piyush;** Ghosh, Sougata; Chippalkatti, Rohan  
; Chopade, Balu A.; **Lahiri, Mayurika** and **Basu, Sudipta**  
Title Dual drug conjugated nanoparticle for simultaneous targeting of  
mitochondria and nucleus in cancer Cells  
Name of the Journal Appl. Mater. Interfaces  
Date of Publication MAR-15  
Name of the Publisher American Chemical Society  
DOI 10.1021/am5090226

Author(s) Shelkar, Gajanan P; Kale, Atmaram D; Singh, Uday; Singru, Praful S;  
**Subhedar, Nishikant K** and Kokare, Dadasaheb M.  
Title Alpha-melanocyte stimulating hormone modulates ethanol self-ad  
ministration in posterior ventral tegmental area through mela  
nocortin-4 receptors  
Name of the Journal Addiction Biology  
Volume No. 20  
Issue No. 2  
Pages 302-315  
Date of Publication MAR-15  
Name of the Publisher Wiley-Blackwell  
DOI 10.1111/adb.12126

Author(s)	David, Patrick; Agarwal, Ishan; <b>Athreya, Ramana</b> ; Mathew, Rosamma; Vogel, Gernot and Mistry, Viral K.
Title	Revalidation of <i>Natrix clerki</i> Wall, 1925, an overlooked species in the genus <i>Amphiesma</i> Dumeril, Bibron & Dumeril, 1854 (Squamata: Natricidae)
Name of the Journal	Zootaxa
Volume No.	3919
Issue No.	1
Pages	375-395
Date of Publication	FEB-15
Name of the Publisher	Magnolia Press
DOI	10.11646/zootaxa.3919.2.9.

## Chemistry

Author(s)	<b>Chaudhury, Srabanti</b>
Title	Modeling the effect of transcriptional noise on switching in gene networks in a genetic bistable switch
Name of the Journal	Journal of Biological Physics
Date of Publication	MAR-15
Name of the Publisher	Springer
DOI	10.1007/s10867-015-9375-2

Author(s) **Kumar, P. Sudheer; Mukherjee, Arnab and Hazra, Anirban**  
Title Theoretical study of structural changes in DNA under high external hydrostatic pressure  
Name of the Journal Journal of Physical Chemistry B  
Volume No. 119  
Issue No. 8  
Pages 3348-3355  
Date of Publication FEB-15  
Name of the Publisher American Chemical Society  
DOI 10.1021/jp5107185

Author(s) Milan-Garces, Erix A; Thaore, Pallavi; Udgaonkar, Jayant B and **Puranik, Mrinalini**  
Title Formation of a CH- $\pi$  Contact in the Core of Native Barstar during Folding  
Name of the Journal Journal of Physical Chemistry B  
Volume No. 119  
Issue No. 7  
Pages 2928-2932  
Date of Publication 19-FEB-15  
Name of the Publisher American Chemical Society  
DOI 10.1021/jp512036p

Author(s) **Rao, Boddu Venkateswara; Manmode, Sujit and Hotha, Srinivas**  
Title Propargyl 1,2-Orthoesters for a Catalytic and Stereoselective Synthesis of Pyrimidine Nucleosides  
Name of the Journal Journal of Organic Chemistry  
Volume No. 80  
Issue No. 3  
Pages 1499-1505  
Date of Publication 06-FEB-15  
Name of the Publisher American Chemical Society  
DOI 10.1021/jo502413z

Author(s) **Jagadeeswararao, Metikoti; Dey, Sunita; Nag, Angshuman and Rao, C. N. R.**  
Title Visible light-induced hydrogen generation using colloidal (ZnS)<sub>0.4</sub>(AgInS<sub>2</sub>)<sub>0.6</sub> nanocrystals capped by S<sup>2-</sup> ions  
Name of the Journal Journal of Materials Chemistry A  
Date of Publication 18-MAR-15  
Name of the Publisher Royal Society of Chemistry  
DOI 10.1039/C5TA01240F

Author(s) **Koninti, Raj Kumar; Gavvala, Krishna; Sengupta, Abhigyan and Hazra, Partha.**  
Title Excited state proton transfer dynamics of Topotecan inside Biomimicking Nanocavity  
Name of the Journal Journal of Physical Chemistry B  
Volume No. 119  
Issue No. 6  
Pages 2363-2371  
Date of Publication FEB-15  
Name of the Publisher American Chemical Society  
DOI 10.1021/jp5066902

Author(s) **Kumar, Mothukuri Ganesh; Mali, Sachitanand M; Raja, K. Muruga Poopathi and Gopi, Hosahudya N.**  
Title Design of Stable beta-Hairpin Mimetics through Backbone Disulfide Bonds  
Name of the Journal Organic Letters  
Volume No. 17  
Issue No. 2  
Pages 230-233  
Date of Publication 08-JAN-15  
Name of the Publisher American Chemical Society  
DOI 10.1021/ol503310r

Author(s) Kar, Shantimoy; **Dash, Monika;** Maiti, Tapas Kumar and Chakraborty, Suman  
Title Effect of hematocrit on blood dynamics on a compact disc platform  
Name of the Journal Analyst  
Volume No. 140  
Issue No. 5  
Pages 1432-1437  
Date of Publication 2015  
Name of the Publisher Royal Society of Chemistry  
DOI 10.1039/c4an02020k

Author(s) **Nag, Angshuman**; Zhang, Hao; Janke, Eric and Talapin, Dmitri V.  
Title Inorganic surface ligands for Colloidal Nanomaterials  
Name of the Journal Zeitschrift für Physikalische Chemie  
Volume No. 229  
Issue No. 1-2  
Pages 85-107  
Date of Publication FEB-2015  
Name of the Publisher De Gruyter  
DOI 10.1515/zpch-2014-0604

## Earth Sciences

Author(s) Geboy, N.J; **Tripathy, G.R**; Ruppert, L.F; Eble, C.F; Blake, B.M; Hannah, J.L and Stein, H.J.  
Title Re-Os age for the Lower-Middle Pennsylvanian Boundary and comparison with associated palynoflora  
Name of the Journal International Journal of Coal Geology  
Volume No. 140  
Pages 23-30  
Date of Publication 2015  
Name of the Publisher Elsevier  
DOI 10.1016/j.coal.2015.01.002

Author(s) Borah, Kajaljyoti; Kanna, Nagaraju; **Rai, S. S.** and Prakasam, K. S  
Title Sediment thickness beneath the Indo-Gangetic Plain and Siwalik Himalaya inferred from receiver function modeling  
Name of the Journal Journal of Asian Earth Sciences  
Volume No. 99  
Pages 41-56  
Date of Publication MAR-2015  
Name of the Publisher Elsevier  
DOI 1016/j.jseaes.2014.12.010

# Physics

Author(s) **Bagchi, Arjun; Basu, Rudranil;** Grumiller, Daniel and Riegler, Max  
Title Entanglement entropy in Galilean Conformal Field Theories and Flat Holography  
Name of the Journal Physical Review Letter  
Volume No. 114  
Date of Publication 11-20 MAR-2015  
Name of the Publisher American Physical Society  
URL <http://dx.doi.org/10.1103/PhysRevLett.114.111602>

Author(s) Shaikh Mubeena and **Apratim Chatterji**  
Title Hierarchical self-assembly: Self-organized nanostructures in a nematically ordered matrix of self-assembled polymeric chains  
Name of the Journal Physical Review E  
Volume No. 91  
Issue No. 3  
Date of Publication MAR-2015  
Name of the Publisher American Physical Society  
DOI <http://dx.doi.org/10.1103/PhysRevE.91.032602>

Author(s) **Ingale, M; Subramanian, P;** Cairns, Iver.  
Title Coronal turbulence and the angular broadening of radio sources - the role of the structure function  
Name of the Journal Monthly Notices of the Royal Astronomical Society  
Volume No. 447  
Issue No. 4  
Pages 3486-3497  
Date of Publication MAR-15  
Name of the Publisher Oxford University Press  
DOI [10.1093/mnras/stu2703](http://dx.doi.org/10.1093/mnras/stu2703)

Author(s)	<b>Chaturvedi, Smita</b> ; Das, Raja; Poddar, Pankaj; <b>Kulkarni, Sulabha</b>
Title	Tunable band gap and coercivity of bismuth ferrite–polyaniline core–shell nanoparticles: the role of shell thickness
Name of the Journal	RSC Advances
Volume No.	5
Pages	23563-23568
Date of Publication	MAR-15
Name of the Publisher	Royal Society of Chemistry
DOI	10.1039/C5RA00933B

## Others

Author(s)	<b>Ravindra, P.N</b> ; Madhur Mangalam and Mewa Singh
Title	Why not be an early - bird researcher
Name of the Journal	Current Science
Volume No.	108
Issue No.	6
Pages	1027-1028
Date of Publication	MAR-15
Name of the Publisher	Indian Academy of Sciences
URL	<a href="http://www.currentscience.ac.in/Volumes/108/06/1027.pdf">http://www.currentscience.ac.in/Volumes/108/06/1027.pdf</a>

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