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# Biology

Author(s) Kumkar, Pradeep; Katwate, Unmesh; Raghavan, Rajeev and **Dahanukar, Neelesh**

Title Balitora chipkali, a new species of stone loach (Teleostei: Balitoridae) from the northern Western Ghats of India, with a note on the distribution of B-laticauda

Name of the Journal Zootaxa

Volume No. 4138

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Date of Publication 14-Jul-2016

Name of the Publisher Magnolia Press

DOI [10.11646/zootaxa.4138.1.7](https://doi.org/10.11646/zootaxa.4138.1.7)

Author(s) Modak, Nikhil; **Dahanukar, Neelesh**; Ogale, Hemant and Padhye, Anand

Title Advertisement calls of Amboli leaping frog Indirana chiravasi (Anura: Ranixalidae) from northern Western Ghats, India

Name of the Journal Current Science

Volume No. 110

Issue No. 12

Page No. 2220-2223

Date of Publication 25-Jun-2016

Name of the Publisher Indian Academy Sciences

URL <http://www.currentscience.ac.in/Volumes/110/12/2220.pdf>

Author(s) **Saha, Tanmoy; Sahid, Hossain Munshi; Saha, Debasis; Lahiri, Mayurika** and **Talukdar, Pinaki**

Title Chloride-Mediated Apoptosis-Inducing Activity of Bis(sulfonamide) Anionophores

Name of the Journal Journal of the American Chemical Society

Volume No. 138

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Date of Publication 22-Jun-16

Name of the Publisher American Chemical Society

DOI [10.1021/jacs.6601723](https://doi.org/10.1021/jacs.6601723)

Author(s) **Anandi, Libi and Lahiri, Mayurika**  
Title Platelet activating factor leads to initiation and promotion of breast cancer  
Name of the Journal Cancer Cell & Microenvironment  
Volume No. 3  
Date of Publication 21-Jul-2016  
Name of the Publisher Smart Science & Technology  
DOI [10.14800/ccm.1370](https://doi.org/10.14800/ccm.1370)

## Chemistry

Author(s) **Saha, Debasis and Mukherjee, Arnab**  
Title Impact of Ions on Individual Water Entropy  
Name of the Journal Journal of Physical Chemistry B  
Volume No. 120  
Issue No. 30  
Page No. 7471–7479  
Date of Publication 12-Jul-2016  
Name of the Publisher ACS Publication  
DOI [10.1021/acs.jpcc.6b04033](https://doi.org/10.1021/acs.jpcc.6b04033)

Author(s) **Thadke, Shivaji; Neralkar, Mahesh and Hotha, Srinivas**  
Title Facile synthesis of aminoxy glycosides by gold(III)-catalyzed glycosidation  
Name of the Journal Carbohydrate Research  
Volume No. 430  
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Name of the Publisher Elsevier Science Ltd  
DOI [10.1016/j.carres.2016.04.022](https://doi.org/10.1016/j.carres.2016.04.022)

Author(s) Pan, Sudip; Saha, Ranajit; **Kumar, Anand**; Gupta, Ashutosh; Merino, Gabriel and Chattaraj, Pratim K.  
Title A Noble Interaction: An Assessment of Noble Gas Binding Ability of Metal Oxides (Metal=Cu, Ag, Au)  
Name of the Journal International Journal of Quantum Chemistry  
Volume No. 116  
Issue No. 13  
Date of Publication 05-Jul-2016  
Name of the Publisher Wiley-Blackwell  
DOI [10.1002/qua.25121](https://doi.org/10.1002/qua.25121)

Author(s) **Saha, Tanmoy; Sahid, Hossain Munshi; Saha, Debasis; Lahiri, Mayurika and Talukdar, Pinaki**  
Title Chloride-Mediated Apoptosis-Inducing Activity of Bis(sulfonamide) Anionophores  
Name of the Journal Journal of the American Chemical Society  
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Page No. 7558-7567  
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Name of the Publisher American Chemical Society  
DOI [10.1021/jacs.6b01723](https://doi.org/10.1021/jacs.6b01723)

Author(s) **Narasimha, Karnati and Jayakannan, Manickam**  
Title Color-Tunable Amphiphilic Segmented pi-Conjugated Polymer Nano-Assemblies and Their Bioimaging in Cancer Cells  
Name of the Journal Macromolecules  
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Name of the Publisher American Chemical Society  
DOI [10.1021/acs.macromol.6b00660](https://doi.org/10.1021/acs.macromol.6b00660)

## Humanities and Social Sciences

Author(s) **Mohanan, K. P.**  
Title Preventing violent extremism through education  
Name of the Journal The Blue Dot  
Volume No. 4  
Page No. 12-17  
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# Mathematics

Author(s) **Goswami, Anindya and Nandan, Sanket**  
Title Convergence of estimated option price in a regime switching market  
Name of the Journal Indian Journal of Pure and Applied Mathematics  
Volume No. 47  
Issue No. 2  
Page No. 169-182  
Date of Publication Jun -2016  
Name of the Publisher Indian National Science Academy  
DOI [10.1007/s13226-016-0182-7](https://doi.org/10.1007/s13226-016-0182-7)

Author(s) **Goswami, Anindya; Patel, Jeeten; Shevgaonkar, Poorva**  
Title A system of non-local parabolic PDE and application to option pricing  
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Volume No. 34  
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Name of the Publisher Taylor & Francis  
DOI [10.1080/07362994.2016.1189340](https://doi.org/10.1080/07362994.2016.1189340)

Author(s) **Bhagwat, Chandrasheel and Pisolkar, Supriya**  
Title On Uniform Lattices in Real Semisimple Groups  
Name of the Journal Proceedings of the American Mathematical Society  
Volume No. 144  
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DOI [10.1090/proc/12961](https://doi.org/10.1090/proc/12961)

Author(s) **Pisolkar, Supriya and Rajan, C. S.**  
Title On the splitting fields of generic elements in Zariski dense subgroups  
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Volume No. 457  
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DOI [10.1016/j.jalgebra.2016.02.022](https://doi.org/10.1016/j.jalgebra.2016.02.022)

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# Physics

Author(s) Sirohi, Anshu; **Singh, Chandan K.** ; Thakur, Gohil S.; Saha, Preetha; Gayen, Sirshendu; Gaurav, Abhishek ; Jyotsna, Shubhra; Haque, Zeba; Gupta, L. C.; **Kabir, Mukul**; Ganguli, Ashok K. and Sheet, Goutam

Title High spin polarization and the origin of unique ferromagnetic ground state in CuFeSb

Name of the Journal Applied Physics Letters

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DOI <http://dx.doi.org/10.1063/1.4954026>

Author(s) Jacoba, Rinku; Harikrishnana, K.P.; Misrab, R.; **Ambika, G.**

Title Can recurrence networks show small-world property?

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Date of Publication 12-Aug -2016

Name of the Publisher Elsevier

DOI <http://dx.doi.org/10.1016/j.physleta.2016.06.038>

Author(s) **Chougale, Yashwant and Nath, Rejish**

Title Ab initio calculation of Hubbard parameters for Rydberg-dressed atoms in a one-dimensional optical lattice

Name of the Journal Journal of Physics B-Atomic Molecular and Optical Physics

Volume No. 49

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Name of the Publisher IOP Publishing Ltd

DOI [10.1088/0953-4075/49/14/144005](http://dx.doi.org/10.1088/0953-4075/49/14/144005)

Author(s) Khachatryan, V.; **Chauhan, S.; Dube, S.; Sharma, S.** et al.

Title Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at root s=8 TeV

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DOI [10.1007/JHEP06\(2016\)177](http://dx.doi.org/10.1007/JHEP06(2016)177)

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Author(s) Pandey, A.; Saha, K.; **Bapat, B.**; Kumar, P.; Banerjee, S. B. and Subramanian, K. P.  
Title Probing high-lying N-2(++) and CO++ states via energy-selective fragment spectra  
Name of the Journal Journal of Physics B-Atomic Molecular and Optical Physics  
Volume No. 49  
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Date of Publication 14-Jul -2016  
Name of the Publisher IOP Publishing Ltd  
DOI [10.1088/0953-4075/49/13/135102](https://doi.org/10.1088/0953-4075/49/13/135102)

Author(s) Mhamane, Dattakumar; Aravindan, Vanchiappan; Taneja, Divya; Suryawanshi, Anil; Game, Onkar; Srinivasan, Madhavi and **Ogale, Satishchandra**  
Title Graphene based nanocomposites for alloy (SnO<sub>2</sub>), and conversion (Fe<sub>3</sub>O<sub>4</sub>) type efficient anodes for Li-ion battery applications  
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DOI [10.1016/j.compscitech.2016.05.008](https://doi.org/10.1016/j.compscitech.2016.05.008)

Author(s) Khachatryan, V.; **Chauhan, S.; Dube, S.; Sharma, S.** et al.  
Title Search for a low-mass pseudoscalar Higgs boson produced in association with a b(b)over-bar pair in pp collisions at root s=8 TeV  
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DOI [10.1016/j.physletb.2016.05.003](https://doi.org/10.1016/j.physletb.2016.05.003)

Author(s) Khachatryan, V.; **Chauhan, S.; Dube, S.; Sharma, S.** et al.  
Title Measurement of spin correlations in tt production using the matrix element method in the muon plus jets final state in pp collisions at root S=8 TeV  
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