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# Biology

Author(s) **Mahajan, A; Kondhare, K.;** Rajabhoj, M; **Kumar, Amit;** Ghate, T.; Ravindran, N.; **Habib F.;** Siddappa S. and **Banerjee, Anjan K.**  
Title Regulation, overexpression, and target gene identification of Potato Homeobox 15 (POTH15) - a class-I KNOX gene in potato  
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Author(s) **Patta, Indumathi;** Lal, Girdhari and **Galande, Sanjeev**  
Title Role of chromatin organizer SATB1 during development of regulatory T cells  
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Author(s) Xulvi-Brunet, Ramon; Campbell, Gregory W.; **Rajamani, Sudha;** Jiménez, José I. and A, Irene  
Title Computational analysis of fitness landscapes and evolutionary networks from in vitro evolution experiments  
Name of the Journal Methods  
Date of Publication 19- May- 2016  
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DOI [10.1016/j.ymeth.2016.05.012](https://doi.org/10.1016/j.ymeth.2016.05.012)

Author(s) Xulvi-Brunet, Ramon; Campbell, Gregory W.; **Rajamani, Sudha;** Jiménez, José I. and A, Irene  
Title Quantitative analysis of synthesized nucleic acid pools  
Name of the Book Nonlinear Dynamics in Biological Systems  
Date of Publication 2016  
Name of the Publisher Springer  
ISBN [9783319330532](https://doi.org/9783319330532)

Author(s) **Mungi, Chaitanya V.;** Singh, Sachin Kumar; **Chugh, Jeetender** and **Rajamani, Sudha**  
Title Synthesis of barbituric acid containing nucleotides and their implications for the origin of primitive informational polymers  
Name of the Journal Physical Chemistry Chemical Physics  
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Author(s) **Keskar, Ashwini;** Kumkar, Pradeep; Katwate, Unmesh; Ali, Anvar; Raghavan, Rajeev and **Dahanukar, Neelesh**  
Title Corrigendum: Redescription of *Nemachilichthys rueppelli*, a senior synonym of *N. shimogensis* (Teleostei: Nemacheilidae)  
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Author(s) **Dahanukar, Neelesh;** Raghavan, Rajeev; Ali, Anvar and Britz, Ralf  
Title *Amblyceps accari*, a new species of torrent catfish (Teleostei: Amblycipitidae) from the Western Ghats of India  
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Author(s) **Bayani, Abhijeet; Tiwade, Dilip; Dongre, Ashok; Dongre, Aravind P.;** Phatak, Rasika and **Watve, Milind**  
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Author(s) **Karnawat, Vishakha;** Mehrotra, Sonali; Balaram, Hemalatha and **Puranik, Mrinalini**  
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Author(s) **Saha, T; Hossain, M. S.; Saha, D.; Lahiri, M. and Talukdar, P.**  
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DOI [10.1021/jacs.6b01723](https://doi.org/10.1021/jacs.6b01723)

Author(s) Bharne, A. P.; Borkar, C. D.; Bodakuntla, S.; **Lahiri, M.;**  
**Subhedar, N. K.** and Kokare, D. M.  
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## Chemistry

Author(s) **Rao, Anish; Roy, Soumendu; Unnikrishnan, Mahima; Bhosale, Sumit S.; Devatha, Gayathri; and Pillai, Pramod P.**  
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Author(s) **Mungi, Chaitanya V.; Singh, Sachin Kumar; Chugh, Jeetender and Rajamani, Sudha**  
Title Synthesis of barbituric acid containing nucleotides and their implications for the origin of primitive informational polymers  
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Author(s) **Mallick,Abhik; More,Piyush; Syed,Muhammed Muazzam Kamil and Basu, Sudipta**  
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Author(s) **Sivakumar, Ganesan; Vijeta, Arjun; and Jeganmohan, Masilamani**  
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Author(s) **Sasikala, Wilbee D. and Mukherjee, Arnab**  
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Author(s) **Mullangi, Dinesh; Dhavale, Vishal; Shalini, Sorout; Nandi, Shyamapada; Collins, Sean; Woo Tom; Kurungot, Sreekumar; and Vaidhyanathan, Ramanathan**  
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Author(s) **Prakasha, Prabhat and Venkatnathan, Arun**  
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Author(s) **Saha, T; Hossain, M. S.; Saha, D.; Lahiri, M. and Talukdar, P.**  
Title Chloride-Mediated Apoptosis-Inducing Activity of Bis(sulfonamide) Anionophores  
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## Mathematics

Author(s) **Chaudhuri, Chitrabhanu**  
Title Equivariant cohomology of certain moduli of weighted pointed rational curves  
Name of the Journal Manuscripta Mathematica  
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Issue No. 1 and 2  
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DOI [10.1007/s00229-015-0807-x](https://doi.org/10.1007/s00229-015-0807-x)

Author(s) Raghuram, A.  
Title Critical values of Rankin-Selberg L-functions for  $GL(n) \times GL(n-1)$  and the symmetric cube L-functions for  $GL(2)$   
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# Physics

Author(s) Gaberdiel , Matthias R.; **Hampapura, Harsha R. and Mukhi, Sunil**  
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Author(s) Khachatryan, V.; **Sharma, S.** et al.  
Title Measurement of the ratio  $B(B\text{-}s(0) \rightarrow J/\psi f(0)(980))/B(B\text{-}s(0) \rightarrow J/\psi \phi(1020))$  in pp collisions at  $\sqrt{s}=7$  TeV  
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Author(s) Khachatryan, V.; **Chauhan, S.; Dube, S.; Kothekar, K.; Sharma, S.** et al.  
Title Measurement of top quark polarisation in t-channel single top quark production  
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Author(s) **Bhole, Gaurav; Anjusha, V. S. and Mahesh, T. S.**  
Title Steering quantum dynamics via bang-bang control: Implementing optimal fixed-point quantum search algorithm  
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Author(s) **Sadhu, Amruta and Vardarajan, Suneeta**  
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Author(s) Afshar, Hamid R.; Bergshoeff, Eric A.; **Mehra, Aditya; Parekh, Pulastya** and Rollier  
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Author(s) Pandey, A; Kumar, P.; Banerjee, S. B.; Subramanian, K. P. and **Bapat, B.**  
Title Electron-impact dissociative double ionization of N-2 and CO: Dependence of transition probability on impact energy  
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Author(s) **Gupta, Kajari and Ambika, G.**  
Title Suppression of dynamics and frequency synchronization in coupled slow and fast dynamical systems  
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Date of Publication 08- Jun-2016  
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