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Contents

Subject	Page No.
Biology	2
Chemistry	3
Mathematics	6
Physics	6
General	8

Biology

Author(s) Gupta, Nishikant; Kanagavel, Arun; Dandekar, Parineeta;
Dahanukar, Neelesh; Sivakumar, Kuppusamy; Mathur, Vinod B. and
Raghavan, Rajeev
Title God's fishes: religion, culture and freshwater fish conservation in
India
Name of the Journal ORYX
Volume No. 50
Issue No. 2
Page No. 244-249
Date of Publication Apr- 2016
Name of the Publisher Cambridge University Press
DOI [10.1017/S0030605315000691](https://doi.org/10.1017/S0030605315000691)

Author(s) **Mir, R.; Pradhan, S. J.**; Patil, P.; Mulherkar, R. and **Galande, S.**
Title Wnt/beta-catenin signaling regulated SATB1 promotes colorectal
cancer tumorigenesis and progression
Name of the Journal Oncogene
Volume No. 35
Issue No. 13
Page No. 1679-1691
Date of Publication 31-Mar-2016
Name of the Publisher Nature Publishing Group
DOI [10.1038/onc.2015.232](https://doi.org/10.1038/onc.2015.232)

Author(s) **Manjunath, G. P.; Soni, Neelesh; Vaddavalli, Pavana L.; Shewale,**
Dipeshwari J.; Madhusudhan, M. S. and Muniyappa, K.
Title Molecular Mechanism Underlying ATP-Induced Conformational
Changes in the Nucleoprotein Filament of Mycobacterium smegma
tisRecA
Name of the Journal Biochemistry
Volume No. 55
Issue No. 12
Page No. 1850-1862
Date of Publication 29-Mar-2016
Name of the Publisher Amer Chemical Soc
DOI [10.1021/acs.biochem.5b01383](https://doi.org/10.1021/acs.biochem.5b01383)

Go to top

Chemistry

Author(s) **Singh, Santosh K.; Mishra, Kamal K.; Sharma, Neha and Das, Alok**
Title Direct Spectroscopic Evidence for an n-p Interaction
Name of the Journal AngewandteChemie
Date of Publication 16-Feb-2016
Name of the Publisher Wiley
DOI [10.1002/anie.201511925](https://doi.org/10.1002/anie.201511925)

Author(s) **Desai, Aamod V.; Manna, Biplab; Karmakar, Avishek; Sahu, Amit and Ghosh, Sujit K.**
Title A Water-Stable Cationic Metal–Organic Framework as a Dual Adsorbent of Oxoanion Pollutants
Name of the Journal AngewandteChemie
Date of Publication 08-Feb-2016
Name of the Publisher Wiley
DOI [10.1002/anie.201600185](https://doi.org/10.1002/anie.201600185)

Author(s) **Nagarkar, Sanjog S.; Desai, Aamod V. and Ghosh, Sujit K.**
Title Engineering metal–organic frameworks for aqueous phase 2,4,6-trinitrophenol (TNP) sensing
Name of the Journal CrystEngComm
Volume No. 18
Issue No. 17
Page No. 2994-3007
Date of Publication 17-Mar-2016
Name of the Publisher The Royal Society of Chemistry
DOI [10.1039/C6CE00244G](https://doi.org/10.1039/C6CE00244G)

Author(s) **Kulkarni, Mandar and Mukherjee, Arnab**
Title Ionic Liquid Prolongs DNA Translocation through Graphene Nanopore
Name of the Journal RSC Advances
Volume No. 6
Issue No. 51
Page No. 46019-46029
Date of Publication 29- Apr-2016
Name of the Publisher The Royal Society of Chemistry
DOI [10.1039/C6RA07017E](https://doi.org/10.1039/C6RA07017E)

Go to top

Author(s) **Anantharaj, Santharaj and Jayakannan, Manickam**
Title Catalysts and temperature driven melt polycondensation reaction for helical poly (ester-urethane)s based on natural l-amino acids
Name of the Journal Journal of Polymer Science Part A-Polymer Chemistry
Volume No. 54
Issue No. 8
Page No. 1065-1077
Date of Publication 5-Mar-2016
Name of the Publisher Wiley
DOI [10.1002/pola.27970](https://doi.org/10.1002/pola.27970)

Author(s) **Murthy, RaghavendraVasudeva; Bharate, Priya; Gade, Madhuri; Sangabathuni, Sivakoti and Kikkeri, Raghavendra**
Title Effect of Transition Metals on Polysialic Acid Structure and Functions
Name of the Journal Chemmedchem
Volume No. 11
Issue No. 7
Page No. 667-673
Date of Publication 5-Apr-2016
Name of the Publisher Wiley
DOI [10.1002/cmdc.201600023](https://doi.org/10.1002/cmdc.201600023)

Author(s) **Boomishankar, Ramamoorthy and Srivastava, Anant Kumar**
Title Functional metal-organic molecules and materials derived from rigid and flexible P-N scaffolds
Name of the Journal Phosphorus Sulfur and Silicon and the Related Elements
Volume No. 191
Issue No. 4
Page No. 618-623
Date of Publication 2-Apr-2016
Name of the Publisher Taylor & Francis
DOI [10.1080/10426507.2015.1128919](https://doi.org/10.1080/10426507.2015.1128919)

Author(s) **Mukherjee, Soumya; Kansara, Ankit M.; Saha, Debasis; Gonnade, Rajesh; Mullangi, Dinesh; Manna, Biplab; Desai, Aamod V.; Thorat, Shridhar H.; Singh, Puyam S.; Mukherjee, Arnab and Ghosh, Sujit K.**
Title An Ultrahydrophobic Fluorous Metal-organic Framework Derived Recyclable Composite As A Promising Platform to Tackle Marine Oil Spills
Name of the Journal Chem. Eur. J.
Date of Publication 2016
DOI [10.1002/chem.201601724](https://doi.org/10.1002/chem.201601724)

Go to top

Author(s) **Mukherjee, Soumya; Manna, Biplab; Desai, Aamod V.;** Yin, Yufeng; Krishna, Rajamani; Babarao, Ravichandar and **Ghosh, Sujit K.**
Title Harnessing Lewis Acidic Open Metal Sites of Metal-organic Frameworks: Foremost Route to Achieve Highly Selective Benzene Sorption over Cyclohexane
Name of the Journal Chemical Communications
Date of Publication 2016
DOI [10.1039/C6CC03015G](https://doi.org/10.1039/C6CC03015G)

Author(s) **Mukherjee, Soumya; Desai, Aamod V.; More, Yogeshwar D. and Ghosh, Sujit K.**
Title A Bifunctional Metal-organic Framework: Striking CO₂ Selective Sorption Features with Guest-Induced Luminescence Tuning Behaviour
Name of the Journal ChemPlusChem
Date of Publication 2016
DOI [10.1002/cplu.201600138](https://doi.org/10.1002/cplu.201600138)

Author(s) **Roy, Bibhisan; Satpathi, Sagar and Hazra, Partha**
Title Topological Influence of Lyotropic Liquid Crystalline Systems on Excited-State Proton Transfer Dynamics
Name of the Journal Langmuir
Volume No. 32
Issue No. 12
Page No. 3057-3065
Date of Publication 29-Mar-2016
Name of the Publisher Amer Chemical Soc
DOI [10.1021/acs.langmuir.5b04721](https://doi.org/10.1021/acs.langmuir.5b04721)

Author(s) **Karmakar, Avishek; Kumar, Amrit; Chaudhari, Abhijeet K.; Samata, Partha; Desai, Aamod V.;** Krishna, Rajamani and **Ghosh, Sujit K.**
Title Bimodal Functionality in a Porous Covalent Triazine Framework by Rational Integration of an Electron-Rich and -Deficient Pore Surface
Name of the Journal Chemistry-A European Journal
Volume No. 22
Issue No. 14
Page No. 4931-4937
Date of Publication 24-Mar-2016
Name of the Publisher Wiley
DOI [10.1002/chem.201600109](https://doi.org/10.1002/chem.201600109)

Go to top

Author(s) **Deshmukh, Mahesh S.; Vijayakanth, Thangavel and Boomishankar, Ramamoorthy**
Title Stereochemically Distinct Cyclotetrasiloxanes Containing 3-Pyridyl Moieties and Their Functional Coordination Polymers
Name of the Journal Inorganic Chemistry
Volume No. 55
Issue No. 6
Page No. 3098-3104
Date of Publication 21-Mar-2016
Name of the Publisher Amer Chemical Soc
DOI [10.1021/acs.inorgchem.6b00001](https://doi.org/10.1021/acs.inorgchem.6b00001)

Mathematics

Author(s) Cardinali, Ilaria; Giuzzi, Luca; **Kaipa, Krishna V.** and Pasini, Antonio
Title Line polar Grassmann codes of orthogonal type
Name of the Journal Journal of Pure and Applied Algebra
Volume No. 220
Issue No. 5
Page No. 1924-1934
Date of Publication 1-May-2016
Name of the Publisher Elsevier
DOI [10.1016/j.jpaa.2015.10.007](https://doi.org/10.1016/j.jpaa.2015.10.007)

Physics

Author(s) Curran, S. J.; Allison, J. R.; Whiting, M. T.; Sadler, E. M.; Combes, F.; Pracy, M. B.; Bignell, C. and **Athreya, R.**
Title A search for H I and OH absorption in z greater than or similar to 3 CO emitters
Name of the Journal Monthly Notices of The Royal Astronomical Society
Volume No. 457
Issue No. 4
Page No. 3666-3677
Date of Publication 21-Apr-2016
Name of the Publisher Oxford University Press
DOI [10.1093/mnras/stw089](https://doi.org/10.1093/mnras/stw089)

[Go to top](#)

Author(s) Badadhe, Satish S.; Suryawanshi, Sachin R.; Naphade, Rounak A.; Chaudhary, Minakshi V.; More, Mahendra A.; Shelke, Manjusha V. and **Ogale, Satishchandra B.**
Title Synthesis, microstructure, optical and field emission studies of iron vanadium oxide nanosheets
Name of the Journal Journal of Physics D-Applied Physics
Volume No. 49
Issue No. 14
Date of Publication 13- Apr-2016
Name of the Publisher IOP Publishing Ltd
DOI [10.1088/0022-3727/49/14/145301](https://doi.org/10.1088/0022-3727/49/14/145301)

Author(s) Bagchi, Arjun; Basu, Rudranil; **Kakkar, Ashish** and Mehra, Aditya
Title Galilean Yang-Mills theory
Name of the Journal Journal of High Energy Physics
Issue No. 4
Date of Publication 11- Apr-2016
Name of the Publisher Springer
DOI [10.1007/JHEP04\(2016\)051](https://doi.org/10.1007/JHEP04(2016)051)

Author(s) Khachatryan, V.; **Chauhan, S.; Dube, S.; Sharma, S.** et al.
Title Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV
Name of the Journal Journal of High Energy Physics
Issue No. 4
Date of Publication 6- Apr-2016
Name of the Publisher Springer
DOI [10.1007/JHEP04\(2016\)035](https://doi.org/10.1007/JHEP04(2016)035)

Author(s) Khachatryan, V.; **Sharma, S.** et al.
Title Comparison of the $Z/\gamma^* + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ (vol 10, 128, 2015)
Name of the Journal Journal of High Energy Physics
Issue No. 4
Date of Publication 4- Apr-2016
Name of the Publisher Springer
DOI [10.1007/JHEP04\(2016\)010](https://doi.org/10.1007/JHEP04(2016)010)

Go to top

Author(s) Khachatryan, V.; **Chauhan, S.; Dube, S.; Kothekar, K.; Sharma, S.**
et al.
Title Measurement of differential and integrated fiducial cross sections
for Higgs boson production in the four-lepton decay channel in pp
collisions at $\sqrt{s}=7$ and 8 TeV
Name of the Journal Journal of High Energy Physics
Issue No. 4
Date of Publication 1- Apr-2016
Name of the Publisher Springer
DOI [10.1007/JHEP04\(2016\)005](https://doi.org/10.1007/JHEP04(2016)005)

Author(s) Khachatryan, V.; **Sharma, S.; Chauhan, S.; Dube, S.; Kothekar, K.**
et al.
Title Search for dark matter and unparticles produced in association with
a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV
Name of the Journal Physical Review D
Volume No. 93
Issue No. 5
Date of Publication 22- MAR-2016
Name of the Publisher Amer Physical Soc
DOI [10.1103/PhysRevD.93.052011](https://doi.org/10.1103/PhysRevD.93.052011)

Author(s) Jacob, Rinku; Harikrishnan, K.P.; Misra, R. and **Ambika, G.**
Title Characterization of chaotic attractors under noise: A recurrence
network perspective
Name of the Journal Communications in Nonlinear Science and Numerical Simulation
Volume No. 41
Page No. 32-47
Date of Publication 2016
Name of the Publisher Elsevier
DOI [10.1016/j.cnsns.2016.04.028](https://doi.org/10.1016/j.cnsns.2016.04.028)

General

Author(s) **Mukhi, Sunil**
Title Ethics and Indian science
Name of the Journal Current Science
Volume No. 110
Issue No. 6
Page No. 955-956
Date of Publication 25- MAR-2016
Name of the Publisher Indian Acad Sciences
DOI <http://www.currentscience.ac.in/Volumes/110/06/0955.pdf>

Go to top