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November 2015

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Biology

Author(s) **Chand, Mahesh K; Nirwan, Neha;** Diffin, Fiona M.; Aelst, Kara, van;
Kulkarni, Manasi; Pernstich, Christian; Szczelkun, Mark D. and
Saikrishnan, Kayarat

Title Translocation-coupled DNA cleavage by the Type ISP
restriction-modification enzymes

Name of the Journal Nature Chemical Biology

Volume No. 11

Issue No. 11

Page No. 870-879

Date of Publication NOV-2015

Name of the Publisher Nature Publishing Group

DOI 10.1038/nchembio.1926

Author(s) **Anandi, V.L.; Ashiq, K. A.; Nitheesh, K. and Lahiri, M.**

Title Platelet-activating factor promotes motility in breast cancer cells
and
disrupts non-transformed breast acinar structures.

Name of the Journal Oncology Reports

VOI No. 35

Issue No. 1

Date of Publication 03-NOV-2015

Name of the Publisher Spandidos Publications

DOI 10.3892/or.2015.4387

Author(s) **Deivasigamani, Senthilkumar;** Basargekar, Anagha; Shweta,
Kumari; Sonavane, Pooja; **Ratnaparkhi, Girish S.** and
Ratnaparkhi, Anuradha

Title A Presynaptic Regulatory System Acts Transsynaptically via Mon1 to
Regulate Glutamate Receptor Levels in Drosophila

Name of the Journal Genetics

Volume No. 201

Issue No. 2

Date of Publication OCT-2015

Name of the Publisher Genetics Society America

DOI 10.1534/genetics.115.177402

Author(s) **Goel, Pranay**

Title Insulin resistance or hypersecretion? The beta IG picture revisited

Name of the Journal Journal of Theoretical Biology

Volume No. 384

Page No. 131-139

Date of Publication 07-NOV-2015

Name of the Publisher Elsevier B.V.

DOI 10.1016/j.jtbi.2015.07.033

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Author(s) Padhye, Sameer and **Dahanukar, Neelesh**
Title Determinants of 'water fleas' (Crustacea: Branchiopoda: Cladocera) diversity across seasonal and environmental gradients of a polluted river
Name of the Journal Current science
Volume No. 109
Issue No. 10
Date of Publication 25-NOV-2015
Name of the Publisher Indian Academy of Science
URL <http://www.currentscience.ac.in/Volumes/109/10/1777.pdf>

Chemistry

Author(s) **Kulkarni, Mandar** and **Mukherjee, Arnab**
Title Computational Approach to Explore B/A Junction Free Energy in DNA
Name of the Journal ChemPhysChem
Date of Publication 25-NOV-2015
Name of the Publisher WILEY-VCH Verlag GmbH & Co. KGaA
DOI 10.1002/cphc.201500690

Author(s) Ramya, K. R.; **Kumar, Praveen** and **Venkatnathan, A.**
Title Molecular Simulations of Anion and Temperature Dependence on Structure and Dynamics of 1-hexyl-3-methylimidazolium Ionic Liquids
Name of the Journal Journal of Physical Chemistry B
Volume No. 119
Page No. 46
Page No. 14800–14806
Date of Publication 27-OCT-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.jpcc.5b09456

Author(s) **Satpathi, Sagar**; **Gavvala, Krishna** and **Hazra, Partha**
Title Fluorescence Up-conversion Studies of [2,2'-Bipyridyl]-3,3'-diol in Octyl- β -D-glucoside and Other Micellar Aggregates
Name of the Journal Journal of Physical Chemistry A
Date of Publication 27-NOV-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.jpca.5b09832

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Author(s) **Kottaichamy, Alagar Raja; Kotresh, Harish Makri Nimbegondi; Devendrachari, Mruthyunjayachari Chattanahalli; Thimmappa, Ravikumar; Paswan, Bhuneshwar; Tiwari, Omshanker; Chanda, Vimanshu; Gaikwad, Pramod and Thotiyl, Musthafa Ottakam**
Title Effects of Electrochemical Tailoring of Monolayers on Catalytic Redox Entity: An ON-OFF phenomenon Regulated by the Surrounding Medium
Name of the Journal Journal of Physical Chemistry C
Date of Publication 30-NOV-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.jpcc.5b07997

Author(s) **Gavvala, Krishna; Satpathi, Sagar and Hazra, Partha**
Title pH responsive translocation of an anticancer drug between cyclodextrin and DNA
Name of the Journal RSC Advances
Vol. No. 5
Date of Publication 11-NOV-2015
Name of the Publisher Royal Society of Chemistry
DOI 10.1039/C5RA19839A

Earth and Climate Sciences

Author(s) Dwivedi, Suneet; **Goswami, B. N.** and Kucharski, Fred
Title Unraveling the missing link of ENSO control over the Indian monsoon rainfall
Name of the Journal Geophysical Research Letters
Volume No. 42
Page No. 19
Page No. 8201-8207
Date of Publication 16-OCT-2015
Name of the Publisher American Geophysical Union
DOI 10.1002/2015GL065909

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Author(s) **Banerjee, Argha** and Azam, Mohd Farooq
Title Temperature reconstruction from glacier length fluctuations in the Himalaya
Name of the Journal Annals of Glaciology
Volume No. 57
Page No. 71
Name of the Publisher International Glaciological Society
DOI <http://dx.doi.org/10.3189/2016AoG71A047>

Author(s) Nainwal, H. C.; **Banerjee, Argha**; Shankar, R.; Semwal, P.; and Sharma, Tushar
Title Shrinkage of Satopanth and Bhagirath Kharak Glaciers, India, from 1936 to 2013
Name of the Journal Annals of Glaciology
Volume No. 57
Page No. 71
Name of the Publisher International Glaciological Society
DOI <http://dx.doi.org/10.3189/2016AoG71A015>

Physics

Author(s) Khachatryan, V.; **Chauhan, S.**; **Dube, S.**; **Sharma, S.** et al. (CMS Collaboration)
Title Limits on the Higgs boson lifetime and width from its decay to four charged leptons
Name of the Journal Physical Review D
Volume No. 92
Issue No. 7
Date of Publication 22-OCT-2015
Name of the Publisher American Physical Society
DOI [10.1103/PhysRevD.92.072010](https://doi.org/10.1103/PhysRevD.92.072010)

Author(s) Khachatryan, V.; **Chauhan, S.**; **Dube, S.**; **Sharma, S.** et al. (CMS Collaboration)
Title Pseudorapidity distribution of charged hadrons in proton–proton collisions at $\sqrt{s} = 13$ TeV
Name of the Journal Physical Letter B
Volume No. 751
Page No. 143–163
Date of Publication 17-DEC-2015
Name of the Publisher Elsevier
DOI [10.1016/j.physletb.2015.10.004](https://doi.org/10.1016/j.physletb.2015.10.004)

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Author(s) Khachatryan, V.; **Sharma, S.** et al. (CMS Collaboration)
Title Comparison of the $Z/\gamma + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at $\sqrt{s}=8$ TeV
Name of the Journal Journal of High Energy Physics
Vol No. 10
Date of Publication 20-OCT-2015
Name of the Publisher Springer
DOI 10.1007/JHEP10(2015)128

Author(s) Khachatryan, V.; **Sharma, S.** et al. (CMS Collaboration)
Title Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons
Name of the Journal Journal of High Energy Physics
Issue No. 10
Date of Publication 22-OCT-2015
Name of the Publisher Springer
DOI 10.1007/JHEP10(2015)144

AAuthor(s) **Patil, Aashay** and **Santhanam, M. S.**
Title Random matrix approach to categorical data analysis
Name of the Journal Physical Review E
Volume No. 92
Issue No. 3
Date of Publication 21-SEP-2015
Name of the Publisher American Physical Society
DOI 10.1103/PhysRevE.92.032130

Author(s) **Apte, Amey**; Joshi, Padmashree; **Bhaskar, Prashant**; Joag, Dilip and **Kulkarni, Sulabha**
Title Vertically aligned self-assembled gold nanorods as low turn-on, stable field emitters
Name of the Journal Applied Surface Science
Volume No. 355
Issue No. 7
Page No. 978-983
Date of Publication 15-NOV-2015
Name of the Publisher Elsevier
DOI 10.1016/j.apsusc.2015.07.171

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Author(s) **Tamhane, P.**; Wadadekar, Y.; Basu, A.; Singh, V.;
Ishwara-Chandra, C. H.; Beelen, A. and Sirothia, S
Title J021659-044920: a relic giant radio galaxy at z similar to 1.3
Name of the Journal Monthly Notices of the Royal Astronomical Society
Volume No. 453
Issue No. 3
Page No. 2438-2446
Date of Publication 01-NOV-2015
Name of the Publisher Oxford University Press
DOI 10.1093/mnras/stv1768

Author(s) **Banerjee, Nabamita**; Dutta, Suvankar and Jain, Akash
Title Equilibrium partition function for nonrelativistic fluids
Name of the Journal Physical Review D
Volume No. 92
Issue No. 8
Date of Publication 20 -OCT-2015
Name of the Publisher American Physical Society
DOI 10.1103/PhysRevD.92.081701

Author(s) **Kumar, Vished**; Patil, Vithoba; **Apte, Amey**; Harale, Namdev;
Patil, Pramod and **Kulkarni, Sulabha**
Title Ultrasensitive Gold Nanostar - Polyaniline composite for Ammonia
gas sensing
Name of the Journal Langmuir
Date of Publication 01 -NOV-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.langmuir.5b03018

Author(s) Cuevas-Maraver, Jesus; **Khare, Avinash**; Kevrekidis, Panayotis G. ;
Xu, Haitao ; Saxena, Avadh
Title PT-Symmetric Dimer in a Generalized Model of Coupled Nonlinear
Oscillators
Name of the Journal International Journal of Theoretical Physics
Volume No. 54
Issue No. 11
Page No. 3960-3985
Date of Publication NOV-2015
Name of the Publisher Springer/Plenum Publishers
DOI 10.1007/s10773-014-2429-6

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