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|------|--|--|----------|---|-----|---|---|---|---|---|---|---|---|---|
| 2021 | 10.4 m GTC observations of the nearby VHE-detected GRB 190829A/SN 2019oyw  | Hu Y.-D., Castro-Tirado A.J., Kumar A., Gupta R., Valeev A.F., Pandey S.B., Kann D.A., Castellon A., Agudo I., Aryan A., Caballero-Garcia M.D., Guziy S., Martin-Carrillo A., Oates S.R., Pian E., Sanchez-Ramirez R., Sokolov V.V., Zhang B.-B. | 46361    | Astronomy and Astrophysics                                      | 646 |   | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| 2021 | Quantum chemical study of gas-phase reactions of isoprene with OH radicals producing highly oxidised second-generation products                      | Verma A.M., Singh S.P., Ojha R.P.  | 16102940 | Journal of Molecular Modeling                                   | 27  | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Synthesis, anti-inflammatory and analgesic evaluation of thiazole/oxazole substituted benzothiazole derivatives                                      | Kumar G., Singh N.P.   | 452068   | Bioorganic Chemistry  | 107 |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | External electric field modulated second-order nonlinear optical response and visible transparency in hexalithiobenzene                              | Srivastava A.K.  | 16102940 | Journal of Molecular Modeling                                   | 27  | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Does Antibody Stabilize the Ligand Binding in GP120 of HIV-1 Envelope Protein? Evidence from MD Simulation   | Yadav S., Pandey V., Kumar Tiwari R., Ojha R.P., Dubey K.D.  | 14203049 | Molecules (Basel, Switzerland)                                  | 26  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Ionization of NO by superhalogens: DFT and QTAIM approaches  | Srivastava A.K.  | 10241221 | Main Group Chemistry  | 20  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Synthesis of N 2, N 6-bis(5-methylthiazol-2-yl)pyridine-2,6-dicarboxamide fluorescent sensor for detection of Cu 2+and Ni 2+ions                     | Kumar A., Singh N., Kumar M., Agarwal U.   | 21949379 | Drug Research   |     |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | First report of papaya leaf curl virus and its associated papaya leaf curl betasatellite infecting Catharanthus roseus plants in India               | Marwal A., Nehra C., Verma R.K., Mishra M., Srivasatava D., Choudhary P., Gaur R.K.  | 14620316 | Journal of Horticultural Science and Biotechnology              |     |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | A review article on vermibiotechnology and waste management  | Singh K., Bhartiya D.K.  | 17412242 | World Review of Science, Technology and Sustainable Development | 17  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Global diversity and distribution of distoseptosporic micromycete corynespora g?-ssow (Corynesporascaceae): An updated checklist with current status | Kumar S., Singh R., Kamal  | 24654973 | Studies in Fungi  | 6   | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Molecular docking studies of coronavirus proteins with medicinal plant-based phytochemicals  | Marwal A., Meena M., Gaur R.K.   | 24560537 | Defence Life Science Journal                                    | 6   | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Dysphania ambrosioides essential oils: from pharmacological agents to uses in modern crop protection??a review                                       | Singh P., Pandey A.K.  | 15687767 | Phytochemistry Reviews  |     |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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|------|--|---|----------|--|-----|----|---|---|---|---|---|---|---|---|
| 2021 | DFT and QTAIM studies on the reduction of carbon monoxide by superalkalis  | Srivastava A.K.   | 10933263 | Journal of Molecular Graphics and Modelling      | 102 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | Structural and sensing properties of ethanol gas using Pd-doped SnO2 thick film gas sensor   | Vishwakarma A.K., Yadava L.   | 9441344  | Environmental Science and Pollution Research     | 28  | 4  | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 |
| 2021 | Structure-based screening and validation of bioactive compounds as Zika virus methyltransferase (MTase) inhibitors through first-principle density functional theory, classical molecular simulation and QM/MM affinity estimation | Bharadwaj S., Rao A.K., Dwivedi V.D., Mishra S.K., Yadava U.  | 7391102  | Journal of Biomolecular Structure and Dynamics   | 39  | 7  | 0 | 0 | 0 | 0 | 6 | 2 | 8 | 0 |
| 2021 | Anti-dengue infectivity evaluation of bioflavonoid from Azadirachta indica by dengue virus serine protease inhibition  | Dwivedi V.D., Bharadwaj S., Afroz S., Khan N., Ansari M.A., Yadava U., Tripathi R.C., Tripathi I.P., Mishra S.K., Kang S.G. | 7391102  | Journal of Biomolecular Structure and Dynamics   | 39  | 4  | 0 | 0 | 0 | 0 | 4 | 2 | 6 | 0 |
| 2020 | Tunable electrochemical synthesis of pyrrole-based adsorbents  | Pandey A.K., Mishra A.K.  | 1496395  | Separation Science and Technology (Philadelphia) | 55  | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Cu(I) based catalysts derived from bidentate ligands and studies on the effect of substituents for: N-arylation of benzimidazoles and indoles  | Kumari S., Ratnam A., Mawai K., Chaudhary V.K., Mohanty A., Ghosh K.  | 11440546 | New Journal of Chemistry                         | 44  | 45 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2020 | Role of substituents present in bidentate ligand frame of Cu(I) catalysts on Sonogashira cross coupling reactions  | Kumari S., Dhara A.K., Ratnam A., Mawai K., Chaudhary V.K., Mohanty A., Ghosh K.  | 0022328X | Journal of Organometallic Chemistry              | 928 |    | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| 2020 | Estradiol Affects Ultimobranchial Gland of a Freshwater Catfish, Heteropneustes fossilis kept in Different Calcium Environments  | Srivastav S., Mishra D., Srivastav S.K., Suzuki N., Srivastav A.K.  | 19956673 | Jordan Journal of Biological Sciences            | 13  | 4  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Synthesis, structural investigation and antimicrobial properties of macrocyclic zinc(II) complexes with N2O2-donor schiff bases incorporating 1,2,4-triazole ring  | Vishwkarma A., Srivastava A.K., Pandey O.P., Sengupta S.K.  | 9707077  | Asian Journal of Chemistry                       | 32  | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Detection of PAH and nBL features in planetary nebulae NGC 7027 and BD +30°?y3639 with TIRCAM2 instrument on 3.6?ym DOT  | Anand R.K., Rastogi S., Kumar B., Ghosh A., Sharma S., Ojha D.K., Ghosh S.K.  | 2506335  | Journal of Astrophysics and Astronomy            | 41  | 1  | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2020 | Nutritional characteristics of biscuits prepared from flour of minor millets and pods of prosopis cineraria (L.) Druce   | Saraswat P., Yadav P., Gaur R.K., Kumar R., Sharma K.P.   | 9719660  | Annals of Agri Bio Research                      | 25  | 2  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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|------|---|---|----------|--|-----|----|---|---|---|---|---|---|---|---|---|
| 2020 | Effect of Prosopis cineraria (L) druce pods and camel milk for nutritional enrichment in traditionally fermented minor millet's drink           | Saraswat P., Yadav P., Verma R.K., Gaur R.K., Sharma K.P.   | 1878450X | International Journal of Gastronomy and Food Science         | 22  |    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | A Promising Proton Conducting Electrolyte BaZr1-xHoxO3-?? (0.05 f?? x f?? 0.20) Ceramics for Intermediate Temperature Solid Oxide Fuel Cells    | Saini D.S., Ghosh A., Tripathy S., Kumar A., Sharma S.K., Kumar N., Majumdar S., Bhattacharya D.                                | 2045232Z | Scientific Reports   | 10  | 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Vat Dye Safranin O- And Perylene-Based Conjugated Donor-Acceptor Polyimide as Sensitizer for Dye-Sensitized Solar Cells                         | Sonker E., Tiwari R., Singh S., Kumar K., Srivastava P., Krishnamoorthi S.  | 8870624  | Energy and Fuels   | 34  | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 2020 | UV shielding and transparency of K+-doped Li3VO4 nanostructured superionic conductors   | Chopde R., Singh N., Mishra K.M., Bamne J., Haque F.Z.  | 20460147 | Emerging Materials Research                                  | 9   | 4  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Ab initio investigations on bimetallic mononuclear superalkali clusters   | Srivastava A.K.   | 92614    | Chemical Physics Letters                                     | 759 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Variable stars in the field of intermediate-age open cluster NGC559   | Joshi Y.C., John A.A., Maurya J., Panchal A., Kumar B., Joshi S.  | 358711   | Monthly Notices of the Royal Astronomical Society            | 499 | 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Spherically symmetric self-gravitating radiating star under expansion-free motion   | Kumar R., Srivastava S.K.   | 2198878  | International Journal of Geometric Methods in Modern Physics | 17  | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | First report of f??Candidatus Phytoplasma oryzaef? associated with lemongrass in India  | Maurya R., Jodon V., Panda P., Mall S.  | 11254653 | Journal of Plant Pathology                                   | 102 | 4  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Secondary Metabolites From Halotolerant Plant Growth Promoting Rhizobacteria for Ameliorating Salinity Stress in Plants                         | Sunita K., Mishra I., Mishra J., Prakash J., Arora N.K.   | 1664302X | Frontiers in Microbiology                                    | 11  |    | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 |
| 2020 | Assessment of vertical ozone profiles from INSAT-3D sounder over the Central Himalaya   | Rawat P., Naja M., Thapliyal P.K., Srivastava S., Bhardwaj P., Kumar R., Bhattacharjee S., Venkatramani S., Tiwari S.N., Lal S. | 113891   | Current Science  | 119 | 7  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Structural Features and Functional Properties of Y2O3 Reinforced Nickel Matrix Nanocomposites   | Chaudhari A.K., Singh V.B., Singh B.  | 23656549 | ChemistrySelect  | 5   | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Biology and Interaction of the Natural Occurrence of Distinct Monopartite Begomoviruses Associated With Satellites in Capsicum annum From India | Mishra M., Verma R.K., Marwal A., Sharma P., Gaur R.K.  | 1664302X | Frontiers in Microbiology                                    | 11  |    | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |

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| 2020 | Computational and in vitro investigation of (-)- epicatechin and proanthocyanidin b2 as inhibitors of human matrix metalloproteinase 1                     | Lee K.E., Bharadwaj S., Yadava U., Kang S.G.   | 2218273X | Biomolecules  | 10  | 10 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 |
| 2020 | Product investigation of the gas phase ozonolysis of 1-penten-3-ol, cis-2-penten-1-ol and trans-3-hexen-1-ol   | Kalalian C., Roth E., El Dib G., Singh H.J., Rao P.K., Chakir A.   | 13522310 | Atmospheric Environment   | 238 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Biochemical performance and protein profile of sensitive and tolerant varieties of chickpea under salinity   | Kumar R., Shahi S., Srivastava M.  | 2505371  | Legume Research   | 43  | 5  | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2020 | Synthesis, Characterization and Biological Evaluation of Schiff Base Transition Metal Complexes Derived from 4-Nitrobenzene-1,2-diamine and 5-Chloroisatin | Pal Singh N., Kumar K., Kumar G., Kumar A.   | 9707077  | Asian Journal of Chemistry  | 32  | 9  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Oral administration of melatonin contained in drinking water increased bone strength in naturally aged mice  | Igarashi-Migitaka J., Seki A., Ikegami M., Honda M., Sekiguchi T., Mishima H., Shimizu N., Matsubara H., Srivastav A.K., Hirayama J., Maruyama Y., Kamijo-Ikemori A., Hirata K., Hattori A., Suzuki N. | 651281   | Acta Histochemica   | 122 | 6  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | Identification of 16SrII-D group phytoplasma associated with Setaria verticillata (L.) P. Beauv. in India  | Mall S., Panda P., Rao G.P.  | 0367973X | Indian Phytopathology   | 73  | 3  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | Gene Expression-Based Supervised Classification Models for Discriminating Early- and Late-Stage Prostate Cancer  | Kumar R., Bhanti P., Marwal A., Gaur R.K.  | 3698211  | Proceedings of the National Academy of Sciences India Section B - Biological Sciences | 90  | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Anomalous and topological Hall effect in Cu doped Sb2Te3topological insulator  | Singh A., Gangwar V.K., Shahi P., Pal D., Singh R., Kumar S., Singh S., Gupta S.K., Kumar S., Cheng J., Chatterjee S.  | 36951    | Applied Physics Letters   | 117 | 9  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | MC6Li6 (M = Li, Na and K): a new series of aromatic superalkalis   | Srivastava A.K.  | 268976   | Molecular Physics   | 118 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Density functional theory and molecular dynamics simulation support Ganoderma lucidum triterpenoids as broad range antagonist of matrix metalloproteinases | Bharadwaj S., Lee K.E., Dwivedi V.D., Yadava U., Nees M., Kang S.G.  | 1677322  | Journal of Molecular Liquids  | 311 |    | 0 | 0 | 0 | 0 | 4 | 2 | 6 | 0 |
| 2020 | Effect of Co and Mn doping on the morphological, optical and magnetic properties of CuO nanostructures   | Singh B.P., Chaudhary M., Kumar A., Singh A.K., Gautam Y.K., Rani S., Walia R.   | 12932558 | Solid State Sciences  | 106 |    | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 |



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| 2020 | Peculiar Prompt Emission and Afterglow in the H.E.S.S.-detected GRB 190829A   | Chand V., Banerjee A., Gupta R., Dimple, Pal P.S., Joshi J.C., Zhang B.-B., Basak R., Tam P.H.T., Sharma V., Pandey S.B., Kumar A., Yang Y.-S. | 0004637X | Astrophysical Journal  | 898 | 1  | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 |
| 2020 | Nerium indicum (Linn.): A potential phytomedicine against various health problems   | Singh R.N., Kumar P., Kumar N., Singh D.K.   | 9757538  | International Journal of Research in Pharmaceutical Sciences | 11  | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Synthesis, spectral study and antibacterial activity of asymmetrical tetradentate schiff base complexes   | Agarwal U., Singh N.P., Kumar A., Kumar K.   | 9741496  | Rasayan Journal of Chemistry                                 | 13  | 3  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | Synthesis, characterization and biological activity of Ni(II), Cu(II) and Fe(III) complexes derived from N2,N6-bis(5-mercapto-1,3,4-thiadiazol-2-yl)pyridine-2,6-dicarboxamide                      | Kumar A., Singh N.P., Agrawal U., Kumar K.   | 9707077  | Asian Journal of Chemistry                                   | 32  | 7  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | Orthosilicic acid (OSA) reduced grain arsenic accumulation and enhanced yield by modulating the level of trace element, antioxidants, and thiols in rice  | Dwivedi S., Kumar A., Mishra S., Sharma P., Sinam G., Bahadur L., Goyal V., Jain N., Tripathi R.D.   | 9441344  | Environmental Science and Pollution Research                 | 27  | 19 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 |
| 2020 | The genus Duhaldea (Asteraceae) in India  | Shekhar S., Pandey A.K., Anderberg A.A.  | 9712313  | Rheedeia   | 30  | 2  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Speculative analysis on the electronic structure, IR assignments and molecular docking of N-{4-[[4-amino-3-phenyl-1H-pyrazolo[3,4-d]pyrimidin-1-yl)sulfonyl]phenyl}acetamide, an anti-amoebic agent | Shukla B.K., Yadava U.   | 24058440 | Heliyon  | 6   | 6  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | Identification, genetic diversity and recombination analysis of Watermelon Mosaic Virus?isolates  | Verma R.K., Mishra M., Marwal A., Gaur R.K.  | 2190572X | 3 Biotech  | 10  | 6  | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| 2020 | Cannabis sativa L.: A Potential Natural Reservoir of Sugarcane Grassy Shoot Phytoplasmas in India   | Maurya R., Mall S., Tiwari A.K., Jadon V., Marccone C., Rao G.P.   | 9721525  | Sugar Tech   | 22  | 3  | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 |
| 2020 | Geospatial disease risk modeling for the identification of potential areas of encephalitis in a subtropical region of India: a micro-level case study of Gorakhpur tehsil                           | Tyagi N., Sahoo S.   | 18669298 | Applied Geomatics  | 12  | 2  | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2020 | Phylogenetic and Recombination Analyses of Sugarcane yellow leaf virus?isolates   | Marwal A., Gaur R.K.   | 9721525  | Sugar Tech   | 22  | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | NaClO4 added, corn and arrowroot starch based economical, high conducting electrolyte membranes for flexible energy devices   | Chauhan J.K., Yadav D., Yadav M., Kumar M., Tiwari T., Srivastava N.   | 25233971 | SN Applied Sciences  | 2   | 5  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |



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| 2020 | Clustered-Cavity Approach for the Performance Improvement of a Ka-Band Second-Harmonic Gyrokystron Amplifier   | Swati M.V., Chauhan M.S., Jain P.K.   | 189383   | IEEE Transactions on Electron Devices                             | 67  | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Characterization and genetic diversity of phytoplasm associated with elephant foot yam ( <i>Amorphophallus paeoniifolius</i> ) in India                                | Rao G.P., Reddy M.G., Priya M., Bahadur A., Dubey D.K.  | 2190572X | 3 Biotech   | 10  | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 |
| 2020 | ( $x = 1f??5$ ): a unique series of organic superalkali cations  | Srivastava A.K.   | 268976   | Molecular Physics   | 118 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 2020 | Temperature dependent kinetic study of the gas phase reaction of ozone with 1-penten-3-ol, cis-2-penten-1-ol and trans-3-hexen-1-ol: Experimental and theoretical data | Kalalian C., El Dib G., Singh H.J., Rao P.K., Roth E., Chakir A.  | 13522310 | Atmospheric Environment   | 223 |   | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 |
| 2020 | Optical Variability of the TeV Blazar 1ES 0806+524 on Diverse Timescales   | Pandey A., Gupta A.C., Kurtanidze S.O., Wiita P.J., Damljanovic G., Bachev R., Zhang J., Kurtanidze O.M., Darriba A., Chigladze R.A., Latev G., Nikolashvili M.G., Peneva S., Semkov E., Strigachev A., Tiwari S.N., Vince O. | 0004637X | Astrophysical Journal   | 890 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 |
| 2020 | Influence of benz[a]anthracene on bone metabolism and on liver metabolism in nibbler fish, <i>Girella punctata</i>   | Zanaty M.I., Sawada N., Kitani Y., Nassar H.F., Mahmoud H.M., Hayakawa K., Sekiguchi T., Ogiso S., Tabuchi Y., Urata M., Matsubara H., Takeuchi Y., Hattori A., Srivastav A.K., Amornsakun T., Suzuki N.                      | 16617827 | International Journal of Environmental Research and Public Health | 17  | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 2020 | Superalkali behavior of ammonium (NH <sub>4</sub> <sup>+</sup> ) and hydronium (OH <sub>3</sub> <sup>+</sup> ) cations: a computational analysis                       | Srivastava A.K., Misra N., Tiwari S.N.  | 25233971 | SN Applied Sciences   | 2   | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Computational investigations and molecular dynamics simulations envisioned for potent antioxidant and anticancer drugs using indole-chalcone-triazole hybrids          | Yadav S.K., Yadav R.K., Yadava U.   | 15687864 | DNA Repair  | 86  |   | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 |
| 2020 | Enormously high second-order nonlinear optical response of single alkali atom decorated hexalithiobenzene  | Srivastava A.K.   | 1677322  | Journal of Molecular Liquids                                      | 298 |   | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| 2020 | Efficient & eco-friendly smart nano-pesticides: Emerging prospects for agriculture   | Kapinder, Dangi K., Verma A.K.  | 22147853 | Materials Today: Proceedings                                      | 45  |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Sensing and structural characteristics of TiO <sub>2</sub> thick film for LPG sensor   | Sharma A.K., Vishwakarma A.K., Yadava L.  | 22147853 | Materials Today: Proceedings                                      | 38  |   | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 |

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| 2020 | Sensing response of toluene gas and structural properties of CdS-SnO <sub>2</sub> thick films sensor  | Yadav P., Sharma A.K., Yadav S.K., Vishwakarma A.K., Yadava L.  | 22147853 | Materials Today: Proceedings                    | 38 |       | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | Begomovirus: a curse for the agricultural crops   | Pandey V., Srivastava A., Gaur R.K.   | 3235408  | Archives of Phytopathology and Plant Protection |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Hazardous elements in aqueous leachates of coal fly ash around thermal power plants disposal area   | Singh S., Singh N.P., Rani R.   | 20635346 | European Chemical Bulletin                      | 9  | 10-12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | In Silico Investigation of Electronic Structure, Binding Patterns and Molecular Docking of Nevirapine: An anti-HIV Type-1 Drug  | Tiwari G., Kumar A., Dwivedi K.K., Sharma D.  | 10406638 | Polycyclic Aromatic Compounds                   |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | SARS-CoV-2 Mpro inhibitors: identification of anti-SARS-CoV-2 Mpro compounds from FDA approved drugs  | Bharadwaj S., Azhar E.I., Kamal M.A., Bajrai L.H., Dubey A., Jha K., Yadava U., Kang S.G., Dwivedi V.D. | 7391102  | Journal of Biomolecular Structure and Dynamics  |    |       | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 |
| 2020 | Spectroscopic and Structural Investigations on Novel 6-Amino-3-Phenyl-4-(Pyridin-4-yl)-2,4-Dihydropyrano[2,3-c]Pyrazole-5-Carbonitrile by FT-IR, NMR, Docking, and DFT Methods                        | Kumar R., Kumar A., Srivastava A.K., Brahmachari G., Misra N.   | 10406638 | Polycyclic Aromatic Compounds                   |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Effect of liquid biofertilizer with herbal insecticide garlic ( <i>Allium sativum</i> L.) on productivity of gram ( <i>Cicer arietinum</i> ) and infestation of <i>Helicoverpa armigera</i> (H?–bner) | Singh K., Bhartiya D.K.   | 9743618  | Research Journal of Pharmacy and Technology     | 13 | 6     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Heavy metal accumulation by earthworm <i>Eisenia fetida</i> from animal waste, soil and wheat ( <i>Triticum aestivum</i> ) for protection of human health   | Singh K., Bhartiya D.K.   | 9743618  | Research Journal of Pharmacy and Technology     | 13 | 7     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Physico-chemical properties, frontier orbitals and spectral study of a nematogen: 4-n-ethoxy-4'-cyanobiphenyl and its two constituents  | Tiwari S.N., Dwivedi M.K., Sharma D.  | 22147853 | Materials Today: Proceedings                    | 29 |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Structural, spectroscopic analysis of two hexahydroacridine-1,8(2H,5H)-dione derivatives and identification of drug like properties: Experimental and computational study                             | Kumar R., Kumar A., Srivastava A.K., Brahmachari G., Tiwari G., Misra N.                                | 22147853 | Materials Today: Proceedings                    | 29 |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | Host plant strategies to combat against viruses effector proteins   | Marwal A., Gaur R.K.  | 13892029 | Current Genomics                                | 21 | 6     | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |



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| 2019 | Effect of vermiwash with garlic( <i>Allium Sativum</i> ) on the infestation of <i>Earias Vjttella</i> (Fabricius) and productivity of Okra ( <i>Abelmoschus Esculentus</i> ) (L.) Moench | Singh K.  | 2537214  | Journal of Advanced Zoology                   | 40  | 2  | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |
| 2019 | Impact of ZrO <sub>2</sub> reinforcement on the surface roughness, electrical and magnetic properties of the nano-permalloy  | Chaudhari A.K., Singh V.B.  | 26316331 | Functional Composites and Structures          | 1   | 4  | 0 | 0 | 0 | 0 | 1  | 0  | 1  | 0 |
| 2019 | Discovery of <i>Ganoderma lucidum</i> triterpenoids as potential inhibitors against Dengue virus NS2B-NS3 protease   | Bharadwaj S., Lee K.E., Dwivedi V.D., Yadava U., Panwar A., Lucas S.J., Pandey A., Kang S.G.                            | 20452322 | Scientific Reports                            | 9   | 1  | 0 | 0 | 0 | 0 | 11 | 6  | 17 | 0 |
| 2019 | Investigation of DNA binding and molecular docking propensity of phthalimide derivatives: in vitro antibacterial and antioxidant assay   | Arif R., Nayab P.S., Akrema, Abid M., Yadava U., Rahisuddin   | 20933134 | Journal of Analytical Science and Technology  | 10  | 1  | 0 | 0 | 0 | 0 | 1  | 1  | 2  | 0 |
| 2019 | Enhanced room temperature ferromagnetism and green photoluminescence in Cu doped ZnO thin film synthesised by neutral beam sputtering  | Agarwal D.C., Singh U.B., Gupta S., Singhal R., Kulriya P.K., Singh F., Tripathi A., Singh J., Joshi U.S., Avasthi D.K. | 20452322 | Scientific Reports                            | 9   | 1  | 0 | 0 | 0 | 3 | 25 | 11 | 39 | 0 |
| 2019 | In-silico investigation of optical, thermal and electronic properties for 4-n-alkoxy benzoic acid series (nOBA; n=1-8)   | Sharma D., Srivastava A.K., Tiwari S.N.   | 1677322  | Journal of Molecular Liquids                  | 294 |    | 0 | 0 | 0 | 0 | 2  | 2  | 4  | 0 |
| 2019 | Computational aided mechanistic understanding of <i>Camellia sinensis</i> bioactive compounds against co-chaperone p23 as potential anticancer agent                                     | Bharadwaj S., Lee K.E., Dwivedi V.D., Yadava U., Kang S.G.  | 7302312  | Journal of Cellular Biochemistry              | 120 | 11 | 0 | 0 | 0 | 0 | 5  | 3  | 8  | 0 |
| 2019 | Nanonetwork of Coordination Polymer AHMT-Ag for the Effective and Broad Spectrum Detection of 6-Mercaptopurine in Urine and Blood Serum  | Vinita, Tiwari M., Agnihotri N., Singh M., Singh A.K., Prakash R.   | 24701343 | ACS Omega                                     | 4   | 16 | 0 | 0 | 0 | 0 | 0  | 2  | 2  | 0 |
| 2019 | CO <sub>2</sub> -activation and enhanced capture by C <sub>6</sub> Li <sub>6</sub> : A density functional approach   | Srivastava A.K.   | 207608   | International Journal of Quantum Chemistry    | 119 | 20 | 0 | 0 | 0 | 0 | 2  | 1  | 3  | 0 |
| 2019 | Frontier orbital and conformational analysis of a nematic liquid crystal: 4-N-Heptyloxy-4'-Cyanobiphenyl   | Tiwari G., Sharma D., Tiwari S.N., Singh N.B.   | 224456   | Journal of Scientific and Industrial Research | 78  | 10 | 0 | 0 | 0 | 0 | 1  | 0  | 1  | 0 |
| 2019 | Microcystin-LR: Effects on freshwater catfish heteropneustes fossilis prolactin cells  | Prakash C., Srivastav S.K.  | 20082967 | Iranian Journal of Toxicology                 | 13  | 4  | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |

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|------|---|---|----------|--|------|----|---|---|---|---|---|---|----|---|---|
| 2019 | Effect of disturbance on population structure, regeneration and conservation of Moghania chappar in sal forests of Gorakhpur, India   | Pandey S.K., Shukla R.P.  | 5643295  | Tropical Ecology                       | 60   | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 |
| 2019 | Synthesis of a Novel Manganese(III) Porphyrin and Its Catalytic Role in Selective Oxidation of Aromatic Alcohols  | Niharika Anand, Yadava S., Chaurasia P.K., Bharati S.L.   | 360236   | Russian Journal of Inorganic Chemistry | 64   | 9  | 0 | 0 | 0 | 0 | 1 | 1 | 2  | 0 | 0 |
| 2019 | Comparative genomics in phytopathogenic prokaryotes reveals the higher relative abundance and density of long-SSRs in the smallest prokaryotic genome                           | Mahfooz S., Srivastava A., Yadav M.C., Tahoor A.  | 2190572X | 3 Biotech                              | 9    | 9  | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 0 | 0 |
| 2019 | Development of a system for measuring calcitonin in the stingray Dasyatis akajei (a cartilaginous fish): the possible involvement of stingray calcitonin in gonadal development | Takagi T., Sekiguchi T., Sasayama Y., Hattori A., Watanabe T.X., Kitani Y., Tabuchi Y., Matsubara H., Srivastav A.K., Hai T.N., Amornsakun T., Suzuki N.                    | 20084935 | International Aquatic Research         | 11   | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 |
| 2019 | Effect of regioisomerism on the self-assembly, photophysical and gelation behavior of aroylhydrazone based polycatenars: Synthesis and characterization                         | Kanth P., Singh H.K., Kumar V., Singh S.K., Rao D.S.S., Prasad S.K., Singh B.   | 1677322  | Journal of Molecular Liquids           | 289  |    | 0 | 0 | 0 | 0 | 1 | 0 | 1  | 0 | 0 |
| 2019 | Improved ferroelectric, magnetic and photovoltaic properties of Pr doped multiferroic bismuth ferrites for photovoltaic application   | Arti, Kumar S., Kumar P., Walia R., Verma V.  | 22113797 | Results in Physics                     | 14   |    | 0 | 0 | 0 | 0 | 8 | 8 | 16 | 0 | 0 |
| 2019 | Luminescent, optical, magnetic and metamaterial behavior of cerium complexes  | Ameen I., Kumar Tripathi A., Laxmi Mishra R., Siddiqui A., Nath Tripathi U.   | 13196103 | Journal of Saudi Chemical Society      | 23   | 6  | 0 | 0 | 0 | 0 | 2 | 0 | 2  | 0 | 0 |
| 2019 | Triplet-wise computational analysis of recombinant triplex formed by LNA-TFO  | Mall V.S., Ojha R.P., Pandey V., Kumar Tiwari R.  | 0094243X | AIP Conference Proceedings             | 2142 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 |
| 2019 | Interaction between gp120 and Ligand in HIV-1 Env Protein: Molecular dynamics simulations and binding free energy calculations  | Pandey V., Tiwari G., Mall V.S., Tiwari R.K., Ojha R.P.   | 0094243X | AIP Conference Proceedings             | 2142 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 |
| 2019 | Synthesis and characterization of some novel Mn(III) glycinato complexes with catalytic applications  | Jaiswal D., Yadava S.   | 958972   | Journal of Coordination Chemistry      | 72   | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 |
| 2019 | Zolmitriptan attenuates hepatocellular carcinoma via activation of caspase mediated apoptosis   | Maurya V., Kumar P., Chakraborti S., Singh A.K., Bhadauria A.S., Kumar U., Kumar D., Pramanik A., Saha B., Kumar R V., Gosipatala S.B., Bhattachariya B., Maity B., Saha S. | 92797    | Chemico-Biological Interactions        | 308  |    | 0 | 0 | 0 | 0 | 3 | 2 | 5  | 0 | 0 |

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|------|--|---|----------|--|------|-----|---|---|---|---|----|----|----|---|
| 2019 | BH x+ (xf??=f??1f??6) clusters: In the quest for superalkali cation with B-core and H-ligands  | Srivastava A.K.   | 3010104  | Chemical Physics   | 524  |     | 0 | 0 | 0 | 0 | 3  | 0  | 3  | 0 |
| 2019 | Photoluminescent studies of Sm <sup>3+</sup> doped oxy-fluoro tellurophosphate glasses for solid-state lighting applications                           | Jha K., Rawat K.  | 0094243X | AIP Conference Proceedings                                   | 2115 |     | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |
| 2019 | Response of ultimobranchial and parathyroid glands of the indian skipper frog, euphlyctis cyanophlyctis to cadmium toxicity                            | Srivastav A.K., Srivastava S., Srivastav S.K., Faggio C., Sekiguchi T., Suzuki N.           | 20082967 | Iranian Journal of Toxicology                                | 13   | 3   | 0 | 0 | 0 | 0 | 0  | 2  | 2  | 0 |
| 2019 | Study of Arrowroot Starch-Based Polymer Electrolytes and Its Application in MFC  | Tiwari T., Kumar M., Yadav M., Srivastava N.  | 389056   | Starch/Staerke   | 71   | 7-8 | 0 | 0 | 0 | 0 | 1  | 1  | 2  | 0 |
| 2019 | XANES analysis and structural properties of CdS-doped TiO <sub>2</sub>   | Kumar Vishwakarma A., Majid S.S., Yadava L.   | 0042207X | Vacuum   | 165  |     | 0 | 0 | 0 | 1 | 2  | 2  | 5  | 0 |
| 2019 | Electrospinning production of nanofibrous membranes  | Mishra R.K., Mishra P., Verma K., Mondal A., Chaudhary R.G., Abolhasani M.M., Loganathan S. | 16103653 | Environmental Chemistry Letters                              | 17   | 2   | 0 | 0 | 0 | 1 | 13 | 12 | 26 | 0 |
| 2019 | Yellow laccases: Characterization and biochemical potential  | Yadav S., Sharma M., Kumar D., Yadava S.  |          | Advances in Chemistry Research. Volume 53                    |      |     | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |
| 2019 | Molecular identification of <i>f??candidatus phytoplasma oryzaef??</i> in <i>garcinia gummitutta</i> in india  | Mitra S., Subramanian R.N., Mall S., Rao G.P.   | 22494669 | Phytopathogenic Mollicutes                                   | 9    | 1   | 0 | 0 | 0 | 0 | 0  | 1  | 1  | 0 |
| 2019 | Amelioration of drought stress in black matpe bean ( <i>Vigna mungo</i> L.) by foliar application of potassium   | Kumar R., Shahi S., Srivastava M.   | 3678245  | Indian Journal of Agricultural Research                      | 53   | 3   | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |
| 2019 | Curvature properties of anisotropic scale invariant metrics  | Shaikh A.A., Srivastava S.K., Chakraborty D.  | 2198878  | International Journal of Geometric Methods in Modern Physics | 16   | 6   | 0 | 0 | 0 | 0 | 2  | 3  | 5  | 0 |
| 2019 | Probing the temperature effects in the radiation stability of Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> pyrochlore under swift ion irradiation    | Sharma S.K., Grover V., Tyagi A.K., Avasthi D.K., Singh U.B., Kulriya P.K.                  | 25891529 | Materialia   | 6    |     | 0 | 0 | 0 | 0 | 5  | 5  | 10 | 0 |
| 2019 | Electrochemical characterization of NaClO <sub>4</sub> f??mixed rice starch as a cost-effective and environment-friendly electrolyte                   | Yadav M., Nautiyal G., Verma A., Kumar M., Tiwari T., Srivastava N.                         | 9477047  | Ionics   | 25   | 6   | 0 | 0 | 0 | 2 | 3  | 0  | 5  | 0 |
| 2019 | Viscosities and excess molar volumes of binary liquid mixtures of 1,4-dichlorobutane and some hydrocarbon solvents at 308.15 K, 313.15 K, and 318.15 K | Yadav K., Yadava S.S.   | 319104   | Physics and Chemistry of Liquids                             | 57   | 3   | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |



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|------|---|---|----------|--|-----|----|---|---|---|---|---|---|---|---|
| 2019 | O x H 2x+1+ clusters: A new series of non-metallic superalkali cations by trapping H 3 O + into water   | Srivastava A.K.   | 10933263 | Journal of Molecular Graphics and Modelling        | 88  |    | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 |
| 2019 | Ab initio investigations on non-metallic chain-shaped FnHn+1+ series of superalkali cations   | Srivastava A.K.   | 92614    | Chemical Physics Letters                           | 721 |    | 0 | 0 | 0 | 1 | 2 | 2 | 5 | 0 |
| 2019 | Investigations on bisamidine derivatives as novel minor groove binders with the dodecamer 5f?y(CGCGAATTCGCG)3f?y  | Yadava U., Yadav S.K., Yadav R.K.   | 1677322  | Journal of Molecular Liquids                       | 280 |    | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 |
| 2019 | Investigating the effect of material microstructure and irradiation temperature on the radiation tolerance of yttria stabilized zirconia against high energy heavy ions | Kalita P., Ghosh S., Singh U.B., Kulriya P.K., Grover V., Shukla R., Tyagi A.K., Sattonnay G., Avasthi D.K.   | 218979   | Journal of Applied Physics                         | 125 | 11 | 0 | 0 | 0 | 2 | 2 | 4 | 8 | 0 |
| 2019 | Ethnomacrofungual study of some wild macrofungi used by local peoples of gorakhpur district, uttar pradesh  | Vishwakarma P., Tripathi N.N.   | 9760504  | Indian Journal of Natural Products and Resources   | 10  | 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Phase Transformation in Se75Te13In12 Chalcogenide Thin Films  | Srivastava A., Tiwari S.N., Lal J.K., Khan S.A.   | 10876596 | Glass Physics and Chemistry                        | 45  | 2  | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 0 |
| 2019 | Novel Mn(III) Porphyrins and Prospects of Their Application in Catalysis  | Bharati S.L., Sarma C., Hazarika P.J., Chaurasia P.K., Anand N., Yadava S.  | 360236   | Russian Journal of Inorganic Chemistry             | 64  | 3  | 0 | 0 | 0 | 2 | 2 | 1 | 5 | 0 |
| 2019 | Radial junction silicon solar cells with micro-pillar array and planar electrode interface for improved photon management and carrier extraction                        | Singh V.K., Nagaraju J., Avasthi S.   | 15671739 | Current Applied Physics                            | 19  | 3  | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 |
| 2019 | An alkali tolerant ?n-L-rhamnosidase from Fusarium moniliforme MTCC-2088 used in de-rhamnosylation of natural glycosides  | Kumar D., Yadav S., Yadava S., Yadav K.D.S.   | 452068   | Bioorganic Chemistry                               | 84  |    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Optical flux and spectral variability of the TeV blazar PG 1553+113   | Pandey A., Gupta A.C., Wiita P.J., Tiwari S.N.  | 0004637X | Astrophysical Journal                              | 871 | 2  | 0 | 0 | 0 | 1 | 4 | 1 | 6 | 0 |
| 2019 | Synthesis and mechanistic studies of diketo acids and their biosisteres as potential antibacterial agents   | Hasan P., Pillalamarri V.K., Aneja B., Irfan M., Azam M., Perwez A., Maguire R., Yadava U., Kavanagh K., Daniliuc C.G., Ahmad M.B., Rizvi M.M.A., Rizwanul Haq Q.M., Addlagatta A., Abid M. | 2235234  | European Journal of Medicinal Chemistry            | 163 |    | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 0 |
| 2019 | Role of Musa paradisiaca ascorbate peroxidase in the transformation of methyl phenyl sulfide to its sulfoxide   | Yadav K.S., Yadav P., Sharma S., Khare S.K.   | 1418130  | International Journal of Biological Macromolecules | 122 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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|------|--|--|----------|--|----|-------|---|---|---|---|---|---|---|---|
| 2019 | Morphological and electronic properties of titanium dioxide thin film  | Vishwakarma A.K., Yadav N.K., Sharma A.K., Yadav P., Yadav S.K., Yadava L. | 22147853 | Materials Today: Proceedings   | 42 |       | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2019 | Computational study on CH <sub>3</sub> -functionalized Tetraphenyl-1,4-phenylenediamine: A hole-transporting material for OLED devices | Tiwari A., Kumar B., Srivastava A.K.                                       | 22147853 | Materials Today: Proceedings   | 29 |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Electronic structure, spectra analysis and nano-range interactions of mitoxantrone with RNA base pairs: An anticancer drug             | Tiwari G., Sharma D.   | 22147853 | Materials Today: Proceedings   | 29 |       | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2019 | SHI induced evolution of surface and wettability of BaF <sub>2</sub> thin films  | Pandey R.K., Kumar T., Singh U.B., Awasthi S., Pandey A.C.                 | 20598521 | MRS Advances   | 4  | 28-29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Plant biotechnology: Progress in genomic era   | Khurana S.M.P., Gaur R.K.  |          | Plant Biotechnology: Progress in Genomic Era                         |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Post-transcriptional gene silencing as a tool for controlling viruses in plants  | Petrov N.M., Stoyanova M.I., Gaur R.K.                                     |          | Plant Biotechnology: Progress in Genomic Era                         |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Genomics and molecular mechanisms of plant's response to abiotic and biotic stresses   | Marwal A., Kumar R., Verma R.K., Mishra M., Gaur R.K., Khurana S.M.P.      |          | Plant Biotechnology: Progress in Genomic Era                         |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Preface  | Khurana S.M.P., Gaur R.K.  |          | Plant Biotechnology: Progress in Genomic Era                         |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Bioinformatics intervention in plant biotechnology: An overview  | Malviya N., Yadav S., Yadav D.   |          | Plant Biotechnology: Progress in Genomic Era                         |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Single-cell metagenomics   | Tanver A., Yadav S., Yadav D.  |          | Single-Cell Omics: Volume 1: Technological Advances and Applications |    |       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Targeted drug delivery and gene therapy through natural biodegradable nanostructures in pharmaceuticals                                | Pandey V.N., Tiwari N., Pandey V.S., Rao A., Das I.                        |          | Nanoarchitectonics in Biomedicine                                    |    |       | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 |
| 2019 | Potential of pyrethrum extract against larval biochemistry of rice-moth, <i>Corcyra cephalonica</i> Staint. (Lepidoptera: Pyralidae)   | Tiwari S.K.  | 2537214  | Journal of Advanced Zoology  | 40 | 1     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | Bioactive and drug-delivery potentials of polysaccharides and their derivatives  | Singh A.K., Bhadauria A.S., Kumar P., Bera H., Saha S.                     |          | Polysaccharide Carriers for Drug Delivery                            |    |       | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 |

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|------|---|--|----------|--|-----|----|---|---|---|---|---|---|----|---|
| 2019 | Nanomaterials for the thermal decomposition of ammonium perchlorate and composite solid propellants   | Kumar Sharma J., Srivastava P., Singh G.   |          | Handbook of Remediation for Complex Environmental Problems |     |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2019 | Physico-chemical characterization of bioactive mixed ligand complexes of antimony with 3,5-diarylsubstituted pyrazolines and o,o'-alkylene dithiophosphates         | Singh K.L., Siddiqui A., Singh K., Tripathi U.N.   | 19964196 | Chemistry and Chemical Technology                          | 13  | 4  | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2019 | Spectrophotometric determination of ruthenium utilizing its catalytic activity on oxidation of hexacyanoferrate(II) by periodate ion in water samples               | Srivastava A., Sharma V., Prajapati A., Srivastava N., Naik R.M.   | 19964196 | Chemistry and Chemical Technology                          | 13  | 3  | 0 | 0 | 0 | 0 | 2 | 2 | 4  | 0 |
| 2019 | Electronic structure and thermodynamic properties of 4-n-heptyl-4'-cyanobiphenyl: A computational study   | Sharma D., Tiwari G., Tiwari S.N.  | 22147853 | Materials Today: Proceedings                               | 15  |    | 0 | 0 | 0 | 1 | 0 | 0 | 1  | 0 |
| 2019 | Pressure-induced enhancement of thermoelectric power factor in pristine and hole-doped SnSe crystals  | Su N., Qin B.C., Zhu K.J., Liu Z.Y., Shahi P., Sun J.P., Wang B.S., Sui Y., Shi Y.G., Zhao L.D., Cheng J.-G. | 20462069 | RSC Advances   | 9   | 46 | 0 | 0 | 0 | 0 | 1 | 1 | 2  | 0 |
| 2019 | Evolution of Anisotropy, First Order Hyperpolarizability and Electronic Parameters in p-Alkyl-p'-Cyanobiphenyl Series of Liquid Crystals: Odd-Even Effect Revisited | Kumar A., Srivastava A.K., Tiwari S.N., Misra N., Sharma D.  | 15421406 | Molecular Crystals and Liquid Crystals                     | 681 | 1  | 0 | 0 | 0 | 1 | 3 | 2 | 6  | 0 |
| 2019 | Modifying potato starch by glutaraldehyde and MgCl <sub>2</sub> for developing an economical and environment-friendly electrolyte system                            | Komal B., Yadav M., Kumar M., Tiwari T., Srivastava N.   | 16187229 | E-Polymers   | 19  | 1  | 0 | 0 | 0 | 0 | 3 | 1 | 4  | 0 |
| 2019 | Quantum chemical and molecular docking studies on two potential hepatitis C virus inhibitors  | Tiwari G., Srivastava A.K., Kumar R., Kumar A.   | 10241221 | Main Group Chemistry                                       | 18  | 2  | 0 | 0 | 0 | 1 | 1 | 0 | 2  | 0 |
| 2019 | Evaluation of caffeine as inhibitor against collagenase, elastase and tyrosinase using in silico and in vitro approach  | Eun Lee K., Bharadwaj S., Yadava U., Gu Kang S.  | 14756366 | Journal of Enzyme Inhibition and Medicinal Chemistry       | 34  | 1  | 0 | 0 | 0 | 1 | 7 | 9 | 17 | 0 |
| 2019 | Design of the N: NH <sub>3</sub> n +1+ series of "non-metallic" superalkali cations   | Srivastava A.K.  | 11440546 | New Journal of Chemistry                                   | 43  | 12 | 0 | 0 | 0 | 1 | 1 | 1 | 3  | 0 |
| 2019 | Synthesis and characterization of mixed ligand complexes of zirconium(IV) with sulphur, nitrogen and oxygen donor ligands   | Srivastava A., Srivastava N., Nathtripathi U., Siddiqui A.   | 19964196 | Chemistry and Chemical Technology                          | 13  | 1  | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 0 |
| 2019 | Ayodhya: A Study of Urban Governance and Heritage-Inclusive Development   | Kumar S., Singh R.P.B.   | 2365757X | Urban Book Series  |     |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |

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|------|---|---|----------|--|-----|----|---|---|---|----|----|----|----|---|
| 2019 | Ion permeation study on cellulose acetate/ chitosan membrane with multivalent aqueous electrolyte solution  | Tiwari A.K.   | 9741496  | Rasayan Journal of Chemistry                             | 12  | 1  | 0 | 0 | 0 | 3  | 0  | 0  | 3  | 0 |
| 2019 | Supramolecular polymers capable of controlling their topology   | Yagai S., Kitamoto Y., Datta S., Adhikari B.  | 14842    | Accounts of Chemical Research                            |     |    | 0 | 0 | 0 | 11 | 28 | 13 | 52 | 0 |
| 2019 | Optimization of samarium(III) sorption using nano-zirconium oxide by taguchi method   | Dubey S.S., Grandhi S.  | 9707077  | Asian Journal of Chemistry                               | 31  | 3  | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0 |
| 2018 | Competitive ability and neighbor relation of parthenium hysterophorus with crotalaria striata   | Pandey S.K., Shukla R.P.  | 3045250  | Indian Journal of Ecology                                | 45  | 4  | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0 |
| 2018 | Genome-Wide Assessment of Polygalacturonases-Like (PGL) Genes of Medicago truncatula, Sorghum bicolor, Vitis vinifera and Oryza sativa Using Comparative Genomics Approach            | Anand G., Yadav S., Tanveer A., Nasim J., Singh N.K., Dubey A.K., Yadav D.  | 19132751 | Interdisciplinary Sciences: Computational Life Sciences  | 10  | 4  | 0 | 0 | 0 | 2  | 1  | 0  | 3  | 0 |
| 2018 | Self-similar solution for cylindrical shock waves in a weakly conducting dusty gas  | Vishwakarma J.P., Nath G., Srivastava R.K.  | 20904479 | Ain Shams Engineering Journal                            | 9   | 4  | 0 | 0 | 0 | 1  | 2  | 1  | 4  | 0 |
| 2018 | X-ray intraday variability of the TeV blazar Mrk 421 with Chandra   | Aggrawal V., Pandey A., Gupta A.C., Zhang Z., Wiita P.J., Yadav K.K., Tiwari S.N.   | 358711   | Monthly Notices of the Royal Astronomical Society        | 480 | 4  | 0 | 0 | 0 | 1  | 4  | 1  | 6  | 0 |
| 2018 | Spatial Distribution, Population Structure and Neighbour Relation of Trewia nudiflora within Forested Vegetation of North-Eastern U.P., India   | Chaurasia B., Shukla R.P.   | 10674136 | Russian Journal of Ecology                               | 49  | 6  | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0 |
| 2018 | Manipulation of thermo-mechanical, morphological and electrical properties of PP/PET polymer blend using MWCNT as nano compatibilizer: A comprehensive study of hybrid nanocomposites | Mishra R.K., Mishra P., Verma K., Joseph K.   | 0042207X | Vacuum   | 157 |    | 0 | 0 | 0 | 5  | 1  | 4  | 10 | 0 |
| 2018 | Molecular mechanism of the suppression of larval skeleton by polycyclic aromatic hydrocarbons in early development of sea urchin Hemicentrotus pulcherrimus                           | Sekiguchi T., Yachiguchi K., Kiyomoto M., Ogiso S., Wada S., Tabuchi Y., Hong C.-S., Srivastav A.K., Archer S.D.J., Pointing S.B., Hayakawa K., Suzuki N. | 9199268  | Fisheries Science  | 84  | 6  | 0 | 0 | 0 | 0  | 2  | 2  | 4  | 0 |
| 2018 | Synthesis and characterization of a novel Mn(III)-(??-diketone) complex with catalytic and antifungal activity  | Dubey P., Yadava S.   | 958972   | Journal of Coordination Chemistry                        | 71  | 20 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0 |
| 2018 | Detection of propanol gas using titanium dioxide based thick film   | Vishwakarma A.K., Yadav L.  | 17578981 | IOP Conference Series: Materials Science and Engineering | 404 | 1  | 0 | 0 | 0 | 2  | 3  | 4  | 9  | 0 |

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|------|--|---|----------|---|-----|-------|---|---|---|---|----|----|----|---|
| 2018 | Some novel manganese(III) porphyrins with catalytic properties   | Anand N., Yadava S.   | 958972   | Journal of Coordination Chemistry   | 71  | 19    | 0 | 0 | 0 | 0 | 0  | 1  | 1  | 0 |
| 2018 | Pressure-induced phase transitions and superconductivity in a black phosphorus single crystal  | Li X., Sun J., Shahi P., Gao M., MacDonald A.H., Uwatoko Y., Xiang T., Goodenough J.B., Cheng J., Zhou J. | 278424   | Proceedings of the National Academy of Sciences of the United States of America | 115 | 40    | 0 | 0 | 0 | 3 | 10 | 4  | 17 | 0 |
| 2018 | Betulinic acid as apoptosis activator: Molecular mechanisms, mathematical modeling and chemical modifications  | Kumar P., Bhadauria A.S., Singh A.K., Saha S.   | 243205   | Life Sciences   | 209 |       | 0 | 0 | 0 | 7 | 4  | 10 | 21 | 0 |
| 2018 | Synthesis, Characterization, and Application of a Thiophene-Pyrrole Copolymer As an Efficient Adsorbent for Removal of Methylene Blue                            | Mishra A.K., Shahi V.K., Agrawal N.R., Das I.   | 219568   | Journal of Chemical and Engineering Data  | 63  | 9     | 0 | 0 | 0 | 3 | 1  | 2  | 6  | 0 |
| 2018 | Prospective of essential oils of the genus mentha as biopesticides: a review   | Singh P., Pandey A.K.   | 1664462X | Frontiers in Plant Science  | 9   |       | 0 | 0 | 0 | 4 | 21 | 8  | 33 | 0 |
| 2018 | Development of dendritic growth patterns of polythiophene copper composite during electropolymerization: Characterization and bidirectional sensing applications | Mishra A.K., Agrawal N.R., Das I., Pandey P.C.  | 0971457X | Indian Journal of Chemical Technology   | 25  | 5     | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 |
| 2018 | From zero to hero: the past, present and future of grain amaranth breeding   | Joshi D.C., Sood S., Hosahatti R., Kant L., Pattanayak A., Kumar A., Yadav D., Stetter M.G.               | 405752   | Theoretical and Applied Genetics  | 131 | 9     | 0 | 0 | 0 | 3 | 9  | 7  | 19 | 0 |
| 2018 | Fabrication and characterization of CdS doped ZnO nano thick films   | Vishwakarma A.K., Yadava L.   | 0042207X | Vacuum  | 155 |       | 0 | 0 | 0 | 2 | 5  | 2  | 9  | 0 |
| 2018 | An exponential cubic B-spline algorithm for multi-dimensional convection-diffusion equations   | Shukla H.S., Tamsir M.  | 11100168 | Alexandria Engineering Journal  | 57  | 3     | 0 | 0 | 0 | 1 | 3  | 5  | 9  | 0 |
| 2018 | Biological Data Analysis Program (BDAP): a multitasking biological sequence analysis program   | Dwivedi V.D., Tripathi I.P., Kaushik A.C., Bharadwaj S., Mishra S.K.                                      | 9410643  | Neural Computing and Applications   | 30  | 5     | 0 | 0 | 0 | 0 | 2  | 0  | 2  | 0 |
| 2018 | Plant essential oils: a substitute for conventional insecticides against Tribolium species (Coleoptera: Tenebrionidae)-achievements and challenges               | Pandey A.K., Tripathi S., Singh P.  | 3235408  | Archives of Phytopathology and Plant Protection                                 | 51  | 13-14 | 0 | 0 | 0 | 0 | 3  | 4  | 7  | 0 |
| 2018 | Understanding the Atmospheric Oxidation of HFE-7500 (C3F7CF(OC2H5)CF(CF3)2) Initiated by Cl Atom and NO3 Radical from Theory                                     | Rao P.K., Deka R.C., Gour N.K., Gejji S.P.  | 10895639 | Journal of Physical Chemistry A   | 122 | 33    | 0 | 0 | 0 | 1 | 5  | 0  | 6  | 0 |

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|------|--|---|----------|---|-----|----|---|---|---|---|---|---|----|---|
| 2018 | Spiro-heterocycles containing 1,3,4-oxadiazole: A convenient synthesis of 3-(5-Substitutedphenyl)-1,3,4-oxadiazole-2-yl)-5,8-dithiaspiro[3,4]-octan-2-ones and 1,4-dithia-6-azaspiro[4,4]-nonan-7-ones | Tiwari S., Singh K.P., Pathak P., Ahmad A.  | 3764699  | Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry | 57B | 8  | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 0 |
| 2018 | Expansion-free self-gravitating dust dissipative fluids  | Kumar R., Srivastava S.K.   | 17701    | General Relativity and Gravitation                                      | 50  | 8  | 0 | 0 | 0 | 2 | 3 | 0 | 5  | 0 |
| 2018 | Influence of foliar application of manganese on growth, pigment content, and nitrate reductase activity of Vigna radiata (L.) R. Wilczek under salinity  | Shahi S., Srivastava M.   | 1904167  | Journal of Plant Nutrition  | 41  | 11 | 0 | 0 | 0 | 2 | 1 | 2 | 5  | 0 |
| 2018 | Densities and Viscosities of Binary Liquid Mixtures of 1,6-Dichlorohexane with Different Hydrocarbons at 308.15, 313.15 and 318.15 K   | Yadav K., Yadava S.S.   | 959782   | Journal of Solution Chemistry   | 47  | 7  | 0 | 0 | 0 | 0 | 1 | 2 | 3  | 0 |
| 2018 | Natural Product-Based 1,2,3-Triazole/Sulfonate Analogues as Potential Chemotherapeutic Agents for Bacterial Infections   | Aneja B., Azam M., Alam S., Perwez A., Maguire R., Yadava U., Kavanagh K., Daniluc C.G., Rizvi M.M.A., Haq Q.M.R., Abid M.  | 24701343 | ACS Omega   | 3   | 6  | 0 | 0 | 1 | 9 | 8 | 3 | 21 | 0 |
| 2018 | Aging effect on bonding properties of fluorescent neodymium materials  | Ameen I., Tripathi A.K., Mishra R.L., Siddiqui A., Tripathi U.N.  | 2405609X | Karbala International Journal of Modern Science                         | 4   | 2  | 0 | 0 | 0 | 0 | 2 | 0 | 2  | 0 |
| 2018 | Effect of salinity on morpho-physiological aspects, antioxidant enzymatic studies and yield attributes in wheat genotypes  | Srivastava M., Shahi S.   | 195502   | Indian Journal of Plant Physiology                                      | 23  | 2  | 0 | 0 | 0 | 0 | 3 | 0 | 3  | 0 |
| 2018 | Radiative transfer modeling of atmospheric methane for satellite measurements in the 1.66 micron spectral window   | Prasad P., Rastogi S., Singh R.P.   | 9670335  | Journal of Near Infrared Spectroscopy                                   | 26  | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2018 | Melanocyte-stimulating hormone promotes bone resorption resulting from increased osteoblastic and osteoclastic activities in goldfish  | Ishizu H., Sekiguchi T., Ikari T., Kitamura K.-I., Kitani Y., Endo M., Urata M., Kinoshita Y., Hattori A., Srivastav A.K., Mishima H., Mizusawa K., Takahashi A., Suzuki N. | 166480   | General and Comparative Endocrinology                                   | 262 |    | 0 | 0 | 1 | 2 | 1 | 0 | 4  | 0 |
| 2018 | Ribonucleotide reductase as a drug target against drug resistance Mycobacterium leprae: A molecular docking study  | Mohanty P.S., Bansal A.K., Naaz F., Gupta U.D., Dwivedi V.D., Yadava U.   | 15671348 | Infection, Genetics and Evolution                                       | 60  |    | 0 | 0 | 0 | 2 | 2 | 0 | 4  | 0 |
| 2018 | X-Ray Flux and Spectral Variability of Six TeV Blazars with NuSTAR   | Pandey A., Gupta A.C., Wiita P.J.   | 0004637X | Astrophysical Journal   | 859 | 1  | 0 | 0 | 1 | 2 | 4 | 1 | 8  | 0 |

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|------|--|--|----------|--|------|----|---|---|---|---|---|---|----|---|
| 2018 | Formation of (DNA) <sub>2</sub> -LNA triplet with recombinant base recognition: A quantum mechanical study   | Mall V.S., Tiwari R.K.   | 0094243X | AIP Conference Proceedings                                   | 1953 |    | 0 | 0 | 1 | 1 | 0 | 0 | 2  | 0 |
| 2018 | Identification of novel targets for HIV-1: Molecular dynamics simulation and binding energy calculations   | Pandey V., Tiwari G., Mall V.S., Tiwari R.K., Ojha R.P.  | 0094243X | AIP Conference Proceedings                                   | 1953 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2018 | Molecular dynamics study of some non-hydrogen-bonding base pair DNA strands  | Tiwari R.K., Ojha R.P., Tiwari G., Pandey V., Mall V.  | 0094243X | AIP Conference Proceedings                                   | 1953 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2018 | Ficus religiosa tree leaves as bioindicators of heavy metals in gorakhpur city, Uttar Pradesh, India   | Agrahari P., Richa, Swati K., Rai S., Singh V.K., Singh D.K.   | 9753575  | Pharmacognosy Journal  | 10   | 3  | 0 | 0 | 0 | 2 | 1 | 2 | 5  | 0 |
| 2018 | A numerical algorithm for computation modelling of 3D nonlinear wave equations based on exponential modified cubic B-spline differential quadrature method                   | Shukla H.S., Tamsir M., Jiwari R., Srivastava V.K.   | 207160   | International Journal of Computer Mathematics                | 95   | 4  | 0 | 0 | 1 | 1 | 2 | 6 | 10 | 0 |
| 2018 | Evolution of expansion-free spherically symmetric self-gravitating non-dissipative fluids and some analytical solutions  | Kumar R., Srivastava S.K.  | 2198878  | International Journal of Geometric Methods in Modern Physics | 15   | 4  | 0 | 0 | 1 | 1 | 2 | 0 | 4  | 0 |
| 2018 | Deciphering the Biochemical Pathway and Pharmacokinetic Study of Amyloid $\beta$ -42 with Superparamagnetic Iron Oxide Nanoparticles (SPIONs) Using Systems Biology Approach | Kaushik A.C., Kumar A., Dwivedi V.D., Bharadwaj S., Kumar S., Bharti K., Kumar P., Chaudhary R.K., Mishra S.K. | 8937648  | Molecular Neurobiology                                       | 55   | 4  | 0 | 0 | 2 | 4 | 4 | 4 | 14 | 0 |
| 2018 | Phase change studies in Se <sub>85</sub> In <sub>15</sub> -xZnx chalcogenide thin films  | Srivastava A., Tiwari S.N., Alvi M.A., Khan S.A.   | 218979   | Journal of Applied Physics                                   | 123  | 12 | 0 | 0 | 0 | 2 | 3 | 1 | 6  | 0 |
| 2018 | Alkalized borazine: A simple recipe to design closed-shell superalkalis  | Srivastava A.K., Tiwari S.N., Misra N.   | 207608   | International Journal of Quantum Chemistry                   | 118  | 6  | 0 | 0 | 1 | 1 | 1 | 1 | 4  | 0 |
| 2018 | Study of various fungitoxic properties of aqueous extract of Hedychium spicatum against Rhizoctonia solani Kuhn  | Chaudhary S., Gupta A.K., Samuel C.O., Upadhyaya P.P.  | 9737510  | Journal of Pure and Applied Microbiology                     | 12   | 2  | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2018 | Co-chaperon p23 inhibitors: Identification of anticancer compounds from traditional Chinese medicine database  | Dwivedi V.D., Dwivedi A., Mishra M., Yadava U., Mishra S.K.  | 24520144 | Gene Reports   | 10   |    | 0 | 0 | 0 | 1 | 1 | 0 | 2  | 0 |
| 2018 | Use of natural binder (babul gum) with acid dye and check the color fastness   | Kumari T., Singh D.R.  | 405205   | Textile Trends   | 60   | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2018 | First report of Fusarium solani causing wilt of Melia dubia  | Pandey A., Juwantha R., Chandra S., Kumar A., Kannoja P., Khanna D., Arora S., Dwivedi V.D., Pandey S.         | 14374781 | Forest Pathology   | 48   | 1  | 0 | 0 | 1 | 3 | 0 | 0 | 4  | 0 |





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|------|---|--|----------|---|----|----|---|---|---|---|---|---|---|---|
| 2018 | Alterations in the serum electrolytes of the Indian skipper frog <i>Euphlyctis cyanophlyctis</i> caused by an organophosphate pesticide: Chlorpyrifos | Srivastav A.K., Srivastav S., Srivastav S.K., Suzuki N.          | 19956673 | Jordan Journal of Biological Sciences                       | 11 | 4  | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 2018 | Photoactivated chlorophyllin and acetylcholinesterase/ cytochrome oxidase activity in <i>fasciola gigantica</i> cercaria larvae                       | Singh D.K., Singh D.J.   | 9753575  | Pharmacognosy Journal                                       | 10 | 4  | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 2018 | Molecular Structure and Vibrational Dynamics Studies of 4-n-propyl-4f?y-cyanobiphenyl using Ab initio and DFT Methods                                 | Sharma D., Nath Tiwari S.  | 22147853 | Materials Today: Proceedings                                | 5  | 7  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018 | In Silico Studies of Crystal Structure of HCV NSSB Polymerase and Inhibitor Complex   | Tiwari G., Pandey V., Tiwari R.K., Ojha R.P.                     | 22147853 | Materials Today: Proceedings                                | 5  | 7  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018 | Plant pigments as dietary anticancer agents   | Upadhyay R.K.  | 9738258  | International Journal of Green Pharmacy                     | 12 | 1  | 0 | 0 | 0 | 2 | 3 | 0 | 5 | 0 |
| 2018 | Nutraceutical, therapeutic, and pharmaceutical potential of Aloe vera: A review   | Upadhyay R.K.  | 9738258  | International Journal of Green Pharmacy                     | 12 | 1  | 0 | 0 | 0 | 1 | 3 | 1 | 5 | 0 |
| 2018 | Spider venom toxins, its purification, solubilization, and antimicrobial activity   | Gupta R.K., Upadhyay R.K.  | 9738258  | International Journal of Green Pharmacy                     | 12 | 1  | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2018 | Nanoscale Molecular Dynamics Simulation and Free Energy Decomposition of Hepatitis C Virus and its Interaction with GTP                               | Tiwari G., Pandey V., Prasad Ojha R.                             | 22147853 | Materials Today: Proceedings                                | 5  | 3  | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 2018 | Electronic Structure and Nano-Range Pair Potential Studies of a Smectic Liquid Crystal: 4-n-Nonyloxy-4-Cyanobiphenyl                                  | Tiwari S.N., Sharma D.   | 22147853 | Materials Today: Proceedings                                | 5  | 3  | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 2018 | Solidification Behaviour and Phase Diagram Studies of Vanillin-o-Nitrophenol System   | Gupta P., Das S.S.   | 22147853 | Materials Today: Proceedings                                | 5  | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018 | Business process reengineering: A process based management tool   | Bhaskar H.L.   | 14524864 | Serbian Journal of Management                               | 13 | 1  | 0 | 0 | 0 | 2 | 3 | 0 | 5 | 0 |
| 2018 | Business process reengineering framework and methodology: A critical study  | Bhaskar H.L.   | 17442370 | International Journal of Services and Operations Management | 29 | 4  | 0 | 0 | 0 | 3 | 1 | 3 | 7 | 0 |
| 2018 | Unraveling key interactions that leads the stability of NBD-14010 binding to gp120 of HIV-1: An MD simulations and free energy perspectives           | Pandey V., Tiwari G., Tiwari R.K., Ojha R.P.                     | 9741496  | Rasayan Journal of Chemistry                                | 11 | 1  | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| 2018 | A study on enhancing the quantum yield and antimicrobial activity of Pr(III) by varying the coordination environment                                  | Ameen I., Tripathi A.K., Mishra R.L., Siddiqui A., Tripathi U.N. | 20462069 | RSC Advances  | 8  | 15 | 0 | 0 | 1 | 2 | 3 | 3 | 9 | 0 |

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|------|---|--|----------|---|------|---|---|---|---|---|---|---|---|----|---|
| 2018 | Studies on Se75Te25-xIn x chalcogenide glasses; A material for phase change memory  | Srivastava A., Tiwari S.N., Alvi M.A., Khan S.A.                             | 20531591 | Materials Research Express                                | 5    | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2  | 0 |
| 2018 | Design of ultra-low-power CMOS class E power amplifier  | Singh J., Agarwal M., Mardi V., Ray M., Prasad D., Nath V., Mishra M.        | 18761100 | Lecture Notes in Electrical Engineering                   | 453  |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2017 | Potential of neem seed's acetone extract on the haemolymph and fat body biochemistry of corcyra cephalonica larvae (Lepidoptera: Pyralidae)   | Pathak C.S., Tiwari S.K.   | 2537214  | Journal of Advanced Zoology                               | 38   | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1  | 0 |
| 2017 | Effect of host's helicoverpa armigera (hubner) larval age on the life table of the parasitoid compoletis chlorideae uchida (hymenoptera: ichneumonidae)   | Singh M., Mishra B.B., Dubey R.J., Tripathi C.P.M.                           | 2537214  | Journal of Advanced Zoology                               | 38   | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2017 | Biochemical response of salt-tolerant and salt-sensitive wheat cultivars to salinity  | Srivastava M., Shahi S.  | 9723226  | Research on Crops   | 18   | 4 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3  | 0 |
| 2017 | Effect of polarization of ligand charges and estimation of MM/GBSA binding free energies of some pyrazolo[3,4-d]pyrimidine inhibitors of Mycobacterium tuberculosis in view of experimental results | Shukla B.K., Yadava U.   | 15734080 | Current Enzyme Inhibition                                 | 13   | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1  | 0 |
| 2017 | Electronic structure, vibrational assignments and simulation studies with A/T rich DNA duplex of an aromatic bis-amidine derivative   | Yadava U., Yadav S.K., Yadav R.K.  | 15687864 | DNA Repair  | 60   |   | 0 | 0 | 0 | 1 | 1 | 4 | 2 | 8  | 0 |
| 2017 | Synthesis, structural, solubility and anticancer activity studies of salts using nucleobases and sulfonic acids cofomer   | Singh N., Singh U.P., Nikhil K., Roy P., Singh H.                            | 222860   | Journal of Molecular Structure                            | 1146 |   | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5  | 0 |
| 2017 | Molecular biology, genomics and bioinformatics insights into fungal pectin lyase: An overview   | Yadav S., Yadav P.K., Dubey A.K., Anand G., Tanveer A., Dwivedi R., Yadav D. |          | Applications of Biotechnology for Sustainable Development |      |   | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2  | 0 |
| 2017 | Genotoxicity monitoring of industrial wastes using plant bioassays and management through vermitechnology: A review   | Bhat S.A., Singh J., Singh K., Vig A.P.                                      | 24681458 | Agriculture and Natural Resources                         | 51   | 5 | 0 | 0 | 0 | 2 | 3 | 7 | 2 | 14 | 0 |
| 2017 | Synthesis of water dispersible dendritic amino acid modified polythiophenes as highly effective adsorbent for removal of methylene blue   | Mishra A.K., Agrawal N.R., Das I.  | 22133437 | Journal of Environmental Chemical Engineering             | 5    | 5 | 0 | 0 | 1 | 1 | 3 | 5 | 0 | 10 | 0 |
| 2017 | Electronic structure, FT-IR analysis and nematic behaviour studies of para-methoxybenzylidene p-ethylaniline: Ab-initio and DFT approach  | Tiwari S.N., Sharma D.   | 1677322  | Journal of Molecular Liquids                              | 244  |   | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 8  | 0 |

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|------|---|--|----------|--|-----|---|---|---|---|---|----|---|----|---|
| 2017 | Chlorophyllin treatment against the snail <i>lymnaea acuminata</i> : A new tool in fasciolosis control  | Singh K., Singh D.K., Singh V.K.   | 9753575  | Pharmacognosy Journal  | 9   | 5 | 0 | 0 | 0 | 0 | 1  | 1 | 2  | 0 |
| 2017 | In- Silico analysis of manganese peroxidases from different fungal sources  | Yadav M., Yadav S., Yadav D., Yadav K.D.S.                                 | 15701646 | Current Proteomics   | 14  | 3 | 0 | 0 | 0 | 0 | 1  | 1 | 2  | 0 |
| 2017 | Use of <i>Tanacetum tomentosum</i> and <i>Ta. dolichophyllum</i> essential oils as botanical repellents and insecticidal agents against storage pest <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) | Haider S.Z., Mohan M., Pandey A.K., Singh P.                               | 17382297 | Entomological Research   | 47  | 5 | 0 | 0 | 3 | 1 | 1  | 2 | 7  | 0 |
| 2017 | First-order phase transformation and structural studies in Se <sub>8</sub> S <sub>15</sub> Te <sub>2</sub> chalcogenide glasses   | Srivastava A., Tiwari S.N., Upadhyay A.N., Zulfequar M., Khan S.A.         | 13886150 | Journal of Thermal Analysis and Calorimetry                    | 129 | 3 | 0 | 0 | 3 | 0 | 0  | 1 | 4  | 0 |
| 2017 | Controlling the morphology of layered double hydroxides of Mn and Co and their exceptional catalytic activities   | Chawla M., Dubey R., Singh G., Sengupta S.K., Siril P.F.                   | 406031   | Thermochimica Acta   | 654 |   | 0 | 0 | 1 | 2 | 1  | 1 | 5  | 0 |
| 2017 | Image Restoration in Noisy free images using fuzzy based median filtering and adaptive Particle Swarm Optimization - Richardson-Lucy algorithm  | Kumar N., Shukla H.S., Tripathi R.P.                                       | 2185310X | International Journal of Intelligent Engineering and Systems   | 10  | 4 | 0 | 0 | 1 | 1 | 4  | 0 | 6  | 0 |
| 2017 | Correlation of mesogenic properties with intermolecular interaction energy for homologous series of HnCBP   | Srivastav R.K., Roychoudhury M., Kumar J., Kumar D.                        | 15421406 | Molecular Crystals and Liquid Crystals                         | 652 | 1 | 0 | 0 | 2 | 0 | 0  | 0 | 2  | 0 |
| 2017 | <i>Curcuma longa</i> Linn. extract and curcumin protect CYP 2E1 enzymatic activity against mercuric chloride-induced hepatotoxicity and oxidative stress: A protective approach                             | Joshi D., Mittal D.K., Shukla S., Srivastav S.K., Dixit V.A.               | 9402993  | Experimental and Toxicologic Pathology                         | 69  | 6 | 0 | 0 | 3 | 7 | 4  | 1 | 15 | 0 |
| 2017 | <i>Zingiber officinale</i> and 6-gingerol alleviate liver and kidney dysfunctions and oxidative stress induced by mercuric chloride in male rats: A protective approach                                     | Joshi D., Srivastav S.K., Belemkar S., Dixit V.A.                          | 7533322  | Biomedicine and Pharmacotherapy                                | 91  |   | 0 | 0 | 5 | 8 | 7  | 1 | 21 | 0 |
| 2017 | Phytoconstituents assisted green synthesis of cerium oxide nanoparticles for thermal decomposition and dye remediation  | Sharma J.K., Srivastava P., Ameen S., Akhtar M.S., Sengupta S.K., Singh G. | 255408   | Materials Research Bulletin                                    | 91  |   | 0 | 0 | 5 | 8 | 13 | 2 | 28 | 0 |
| 2017 | Use of natural binder (babul gum) with acid dye and check the color fastness  | Kumari T., Singh D.R.  | 405205   | Textile Trends   | 60  | 3 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 |
| 2017 | A new difference type median based estimator of the finite population mean  | Yadav S.K., Pandey H.  | 9731903  | International Journal of Agricultural and Statistical Sciences | 13  | 1 | 0 | 0 | 0 | 0 | 1  | 0 | 1  | 0 |

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|------|--|--|----------|---|-----|---|---|---|----|---|----|----|----|---|
| 2017 | X-Ray Intraday Variability of Five TeV Blazars with NuSTAR   | Pandey A., Gupta A.C., Wiita P.J.  | 0004637X | Astrophysical Journal                             | 841 | 2 | 0 | 2 | 6  | 6 | 8  | 1  | 23 | 0 |
| 2017 | Production, purification and biochemical characterization of an exo-polygalacturonase from <i>Aspergillus niger</i> MTCC 478 suitable for clarification of orange juice                | Anand G., Yadav S., Yadav D.   | 2190572X | 3 Biotech   | 7   | 2 | 0 | 0 | 1  | 2 | 10 | 2  | 15 | 0 |
| 2017 | Identification and characterization of two phytoplasma subgroups (16SrXI-D and 16SrXIV-A) associated with lychee ( <i>Litchi chinensis</i> Sonn) in India                              | Rao G.P., Tiwari A.K., Madhupriya, Dubey D.  | 18613829 | Journal of Plant Diseases and Protection          | 124 | 3 | 0 | 0 | 1  | 0 | 2  | 1  | 4  | 0 |
| 2017 | Purification, characterization and retting of <i>Crotalaria juncea</i> fibres by an alkaline pectin lyase from <i>Fusarium oxysporum</i> MTCC 1755                                     | Yadav S., Maurya S.K., Anand G., Dwivedi R., Yadav D.  | 2190572X | 3 Biotech   | 7   | 2 | 0 | 2 | 0  | 1 | 2  | 0  | 5  | 0 |
| 2017 | Electronic structure and vibrational spectra of 10CB liquid crystal: A DFT study   | Sharma D., Tiwari S.N.   | 20460147 | Emerging Materials Research                       | 6   | 2 | 0 | 0 | 0  | 1 | 1  | 1  | 3  | 0 |
| 2017 | Prediction of drug-binding sites in HCV NSSB polymerase: MD simulation study   | Tiwari G., Pandey V., Ojha R.P.  | 20460147 | Emerging Materials Research                       | 6   | 2 | 0 | 0 | 1  | 0 | 0  | 0  | 1  | 0 |
| 2017 | Calcitonin-typical suppression of osteoclastic activity by amphioxus calcitonin superfamily peptides and insights into the evolutionary conservation and diversity of their structures | Sekiguchi T., Shiraishi A., Satake H., Kuwasako K., Takahashi H., Sato M., Urata M., Wada S., Endo M., Ikari T., Hattori A., Srivastav A.K., Suzuki N. | 166480   | General and Comparative Endocrinology             | 246 |   | 0 | 1 | 3  | 3 | 1  | 0  | 8  | 0 |
| 2017 | Shape effects and size distributions of astrophysical dust particles   | Rai R.K., Botet R.   | 358711   | Monthly Notices of the Royal Astronomical Society | 467 | 2 | 0 | 0 | 1  | 0 | 1  | 1  | 3  | 0 |
| 2017 | Purification and biochemical characterization of an exo-polygalacturonase from <i>Aspergillus flavus</i> MTCC 7589   | Anand G., Yadav S., Yadav D.   | 18788181 | Biocatalysis and Agricultural Biotechnology       | 10  |   | 0 | 0 | 1  | 1 | 1  | 0  | 3  | 0 |
| 2017 | Targeting domain-III hinging of dengue envelope (DENV-2) protein by MD simulations, docking and free energy calculations   | Dubey K.D., Tiwari G., Ojha R.P.   | 16102940 | Journal of Molecular Modeling                     | 23  | 4 | 0 | 0 | 5  | 1 | 1  | 0  | 7  | 0 |
| 2017 | Purification and characterization of a highly alkaline pectin lyase from <i>Fusarium lateritum</i> MTCC 8794   | Yadav S., Maurya S.K., Anand G., Dwivedi R., Yadav D.  | 63088    | Biologia (Poland)                                 | 72  | 3 | 0 | 0 | 0  | 1 | 0  | 0  | 1  | 0 |
| 2017 | Aerosol black carbon quantification in the central Indo-Gangetic Plain: Seasonal heterogeneity and source apportionment  | Vaishya A., Singh P., Rastogi S., Babu S.S.  | 1698095  | Atmospheric Research                              | 185 |   | 0 | 3 | 11 | 8 | 18 | 10 | 50 | 0 |

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|------|---|--|----------|---|------|----|---|---|----|----|----|----|-----|---|
| 2017 | β-L-rhamnosidase selective for rutin to isoquercitrin transformation from <i>Penicillium griseoroseum</i> MTCC-9224                 | Yadav S., Yadava S., Yadav K.D.S.  | 452068   | Bioorganic Chemistry  | 70   |    | 0 | 2 | 3  | 3  | 3  | 0  | 11  | 0 |
| 2017 | Essential oils: Sources of antimicrobials and food preservatives  | Pandey A.K., Kumar P., Singh P., Tripathi N.N., Bajpai V.K.              | 1664302X | Frontiers in Microbiology   | 7    |    | 0 | 8 | 17 | 27 | 46 | 33 | 131 | 0 |
| 2017 | Nano-particle based delivery systems: Applications in agriculture   | Verma D.K., Srivastava S., Kumar V., Asthir B., Mohan M., Srivastav P.P. |          | Engineering Interventions in Agricultural Processing  |      |    | 0 | 0 | 0  | 0  | 0  | 0  | 0   | 0 |
| 2017 | Nano particle based delivery system and proposed applications in agriculture  | Verma D.K., Srivastava S., Srivastav P.P., Asthir B.                     |          | Engineering Practices for Agricultural Production and Water Conservation: An Interdisciplinary Approach |      |    | 0 | 0 | 0  | 0  | 0  | 0  | 0   | 0 |
| 2017 | GMRT HI study of giant low surface brightness galaxies  | Mishra A., Kantharia N.G., Das M., Omar A., Srivastava D.C.              | 358711   | Monthly Notices of the Royal Astronomical Society   | 464  | 3  | 0 | 0 | 2  | 2  | 1  | 2  | 7   | 0 |
| 2017 | Application of superhalogens in the design of organic superconductors   | Srivastava A.K., Kumar A., Tiwari S.N., Misra N.                         | 11440546 | New Journal of Chemistry  | 41   | 24 | 0 | 0 | 1  | 1  | 1  | 3  | 6   | 0 |
| 2017 | Genomics, proteomics and evolution of dengue virus  | Dwivedi V.D., Tripathi I.P., Tripathi R.C., Bharadwaj S., Mishra S.K.    | 20412649 | Briefings in Functional Genomics  | 16   | 4  | 0 | 0 | 2  | 2  | 6  | 2  | 12  | 0 |
| 2017 | A checklist of macrofungi of Gorakhpur District, U.P. India   | Vishwakarma P., Tripathi N.N., Singh P.                                  | 22292225 | Current Research in Environmental and Applied Mycology  | 7    | 2  | 0 | 0 | 1  | 1  | 1  | 0  | 3   | 0 |
| 2017 | In-vitro antioxidant activity and nutritional value of four wild oyster mushroom collected from North-Eastern Part of Uttar Pradesh | Vishwakarma P., Singh P., Tripathi N.N.                                  | 20777000 | Mycosphere  | 8    | 4  | 0 | 1 | 0  | 1  | 1  | 0  | 3   | 0 |
| 2017 | Harmonic maps and para-Sasakian geometry  | Srivastava S.K., Srivastava K.   | 255165   | Matematički Vesnik  | 69   | 3  | 0 | 0 | 0  | 1  | 0  | 0  | 1   | 0 |
| 2017 | Tulsi: A holy plant with high medicinal and therapeutic value   | Upadhyay R.K.  | 9738258  | International Journal of Green Pharmacy   | 11   | 1  | 0 | 0 | 1  | 3  | 0  | 1  | 5   | 0 |
| 2017 | Nutritional, therapeutic, and pharmaceutical potential of plant gums: A review  | Upadhyay R.K.  | 9738258  | International Journal of Green Pharmacy   | 11   | 1  | 0 | 0 | 2  | 1  | 1  | 0  | 4   | 0 |
| 2017 | Photomediated Larvicidal Activity of Pheophorbide a against <i>Cercaria</i> Larvae of <i>Fasciola gigantica</i>                     | Singh D.J., Singh V.K., Singh D.K.                                       | 2090908X | Scientifica   | 2017 |    | 0 | 1 | 1  | 2  | 0  | 0  | 4   | 0 |

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|------|--|---|----------|---|-----|----|---|---|----|---|---|----|----|---|
| 2017 | Inhibition Kinetics of acetylcholinesterase and phosphatases by the active constituents of terminalia arjuna and tamarindus indica in the cerebral ganglion of lymnaea acuminata | Soni N., Singh D.K., Singh V.K.   | 9753575  | Pharmacognosy Journal   | 9   | 2  | 1 | 1 | 1  | 0 | 0 | 1  | 3  | 0 |
| 2017 | Internal transcribed spacer sequence database of plant fungal pathogens: PFP-ITSS database   | Kaushik A.C., Pal A., Kumar A., Dwivedi V.D., Bharadwaj S., Pandey A., Mishra S.K., Sahi S.   | 23529148 | Informatics in Medicine Unlocked  | 7   |    | 0 | 0 | 0  | 0 | 3 | 0  | 3  | 0 |
| 2017 | Anti-leishmanial and cytotoxic activities of amino acid-triazole hybrids: Synthesis, biological evaluation, molecular docking and in silico physico-chemical properties          | Masood M.M., Hasan P., Tabrez S., Ahmad M.B., Yadava U., Daniliuc C.G., Sonawane Y.A., Azam A., Rub A., Abid M.   | 0960894X | Bioorganic and Medicinal Chemistry Letters                                    | 27  | 9  | 0 | 0 | 7  | 1 | 6 | 1  | 15 | 0 |
| 2017 | Review on different kinds of vegetables with reference of nephroprotective activity  | Dobhal R., Singh N., Sexna P., Balkrishna A., Upadhyaya P.P.  | 2347565X | Annual Research and Review in Biology   | 12  | 1  | 0 | 0 | 0  | 0 | 0 | 0  | 0  | 0 |
| 2017 | Novel anti-tubulin agents from plant and marine origins: insight from a molecular modeling and dynamics study  | Yadava U., Yadav V.K., Yadav R.K.   | 20462069 | RSC Advances  | 7   | 26 | 0 | 1 | 2  | 1 | 0 | 2  | 6  | 0 |
| 2017 | Efficient synthesis of novel N-substituted 2-carboxy-4-quinolones via lithium bis(trimethylsilyl)amide (LiHMDS)-induced in situ cyclocondensation reaction                       | Hasan P., Aneja B., Masood M., Ahmad Md.B., Yadava U., Daniliuc C.G., Abid M.   | 20462069 | RSC Advances  | 7   | 19 | 0 | 1 | 2  | 4 | 2 | 0  | 9  | 0 |
| 2016 | Theoretical studies on BTA-Metal (M=Ni, Cu) Complexes as High Energy Materials   | Sharma P., Singh H.J., Sengupta S.K.  | 9743626  | Journal of Chemical Sciences  | 128 | 12 | 0 | 1 | 1  | 0 | 0 | 0  | 2  | 0 |
| 2016 | Comparative assessment of methods for metagenomic DNA isolation from soils of different crop growing fields  | Tanveer A., Yadav S., Yadav D.  | 2190572X | 3 Biotech   | 6   | 2  | 0 | 2 | 1  | 1 | 2 | 0  | 6  | 0 |
| 2016 | Purification and characterization of polygalacturonase from Aspergillus fumigatus MTCC 2584 and elucidating its application in retting of Crotalaria juncea fiber                | Anand G., Yadav S., Yadav D.  | 2190572X | 3 Biotech   | 6   | 2  | 0 | 3 | 3  | 1 | 6 | 0  | 13 | 0 |
| 2016 | Sodium fluoride induces hypercalcemia resulting from the upregulation of both osteoblastic and osteoclastic activities in goldfish, Carassius auratus                            | Sato M., Hanmoto T., Yachiguchi K., Tabuchi Y., Kondo T., Endo M., Kitani Y., Sekiguchi T., Urata M., Hai T.N., Srivastav A.K., Mishima H., Hattori A., Suzuki N. | 15320456 | Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology | 189 |    | 0 | 1 | 1  | 0 | 1 | 1  | 4  | 0 |
| 2016 | Magnetogasdynamic spherical shock wave in a non-ideal gas under gravitational field with conductive and radiative heat fluxes  | Nath G., Vishwakarma J.P.   | 945765   | Acta Astronautica   | 128 |    | 0 | 2 | 5  | 2 | 3 | 5  | 17 | 0 |
| 2016 | An algorithm based on exponential modified cubic B-spline differential quadrature method for nonlinear Burgers' equation   | Tamsir M., Srivastava V.K., Jiwari R.   | 963003   | Applied Mathematics and Computation   | 290 |    | 0 | 3 | 10 | 5 | 8 | 12 | 38 | 0 |

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|------|--|--|----------|---|-----|----|---|---|---|---|---|---|----|---|---|
| 2016 | Effect of sublethal exposure of herbicides on the biochemical parameters of earthworm <i>Eutyphoeus Waltoni</i> Michaelson [oligochaeta: Octochaetidae]              | Singh V., Singh K.   | 9763104  | IIOAB Journal   | 7   | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 |
| 2016 | Pesticides toxicity in fishes: Biochemical, physiological and genotoxic aspects  | Srivastava P., Singh A., Pandey A.K.                                 | 9725075  | Biochemical and Cellular Archives                                       | 16  | 2  | 0 | 0 | 0 | 2 | 2 | 2 | 6  | 0 |   |
| 2016 | Genome-wide bioinformatics analysis of Dof transcription factor gene family of chickpea and its comparative phylogenetic assessment with <i>Arabidopsis</i> and rice | Nasim J., Malviya N., Kumar R., Yadav D.                             | 3782697  | Plant Systematics and Evolution   | 302 | 8  | 0 | 1 | 1 | 0 | 1 | 2 | 5  | 0 |   |
| 2016 | Extended modified cubic B-spline algorithm for nonlinear Fisher's reaction-diffusion equation  | Shukla H.S., Tamsir M.   | 11100168 | Alexandria Engineering Journal  | 55  | 3  | 0 | 1 | 3 | 1 | 4 | 4 | 13 | 0 |   |
| 2016 | Identification of new potent inhibitors of dengue virus NS3 protease from traditional Chinese medicine database  | Dwivedi V.D., Tripathi I.P., Bharadwaj S., Kaushik A.C., Mishra S.K. | 23473584 | VirusDisease  | 27  | 3  | 0 | 1 | 3 | 2 | 6 | 0 | 12 | 0 |   |
| 2016 | Active Site Characterization of Proteases Sequences from Different Species of <i>Aspergillus</i>   | Morya V.K., Yadav V.K., Yadav S., Yadav D.                           | 10859195 | Cell Biochemistry and Biophysics  | 74  | 3  | 0 | 1 | 0 | 0 | 1 | 1 | 3  | 0 |   |
| 2016 | Synthesis of some 3,5-disubstituted phenyl-5,6-dihydrofuro[2,3-d]thiazol-2(3H)-ylidene) imines as potential pesticides   | Tiwari S., Singh K.P., Ahmad A.                                      | 3764699  | Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry | 55B | 8  | 0 | 0 | 1 | 0 | 0 | 0 | 1  | 0 |   |
| 2016 | Electrochemical synthesis of dendritic nanosized conductive polythiophene cobalt composite as charge storage device  | Mishra A.K., Sharma A., Das I., Agrawal N.R.                         | 194522   | Journal of the Indian Chemical Society                                  | 93  | 8  | 0 | 1 | 2 | 0 | 1 | 0 | 4  | 0 |   |
| 2016 | Computational Studies on Nitro, Nitramino, and Dinitramino Derivatives of 1-Aminoazadiboridine as High Energetic Material  | Gupta S., Sengupta S.K., Singh H.J.                                  | 7213115  | Propellants, Explosives, Pyrotechnics                                   | 41  | 4  | 0 | 2 | 0 | 0 | 0 | 0 | 2  | 0 |   |
| 2016 | Molecular cloning and expression profiling of multiple Dof genes of <i>Sorghum bicolor</i> (L) Moench  | Gupta S., Arya G.C., Malviya N., Bisht N.C., Yadav D.                | 3014851  | Molecular Biology Reports   | 43  | 8  | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |   |
| 2016 | Help seeking behavior and predictors of patient delay after symptom appraisal for oral cancer and perceived barriers   | Agrawal M., Pandey S., Jain S., Gupta T., Sheoran J., Khan T.S.      | 22125558 | Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology      | 28  | 4  | 0 | 0 | 0 | 0 | 1 | 0 | 1  | 0 |   |
| 2016 | Association of Polymorphism of Neuronal Nitric Oxide Synthase Gene with Risk to Parkinson's Disease  | Gupta S.P., Kamal R., Mishra S.K., Singh M.K., Shukla R., Singh M.P. | 8937648  | Molecular Neurobiology  | 53  | 5  | 1 | 2 | 3 | 2 | 2 | 1 | 10 | 0 |   |

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|------|--|--|----------|---|------|----|---|---|---|---|---|---|----|---|
| 2016 | Azadirachta indica plant-assisted green synthesis of Mn3O4 nanoparticles: Excellent thermal catalytic performance and chemical sensing behavior                                      | Sharma J.K., Srivastava P., Ameen S., Akhtar M.S., Singh G., Yadava S. | 219797   | Journal of Colloid and Interface Science                                    | 472  |    | 2 | 4 | 7 | 5 | 8 | 2 | 26 | 0 |
| 2016 | Phytotherapy of chlorophyllin exposed Lymnaea acuminata: A new biotechnological tool for fasciolosis control   | Singh D.J., Singh D.K.   | 24056731 | Parasite Epidemiology and Control   | 1    | 2  | 2 | 2 | 1 | 0 | 0 | 0 | 3  | 0 |
| 2016 | In silico evaluation of inhibitory potential of triterpenoids from azadirachta indica against therapeutic target of dengue virus, NS2B-NS3 protease                                  | Dwivedi V.D., Tripathi I.P., Mishra S.K.                               | 9729062  | Journal of Vector Borne Diseases  | 53   | 2  | 1 | 0 | 3 | 5 | 3 | 6 | 17 | 0 |
| 2016 | On shearing fluids with homogeneous densities  | Srivastava D.C., Srivastava V.C., Kumar R.                             | 17701    | General Relativity and Gravitation  | 48   | 6  | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Propagation of a strong spherical shock wave in a gravitating or non-gravitating dusty gas with exponentially varying density  | Nath G., Vishwakarma J.P.  | 945765   | Acta Astronautica   | 123  |    | 1 | 2 | 3 | 2 | 6 | 6 | 19 | 0 |
| 2016 | Revisiting the approximate analytical solution of fractional-order gas dynamics equation   | Tamsir M., Srivastava V.K.   | 11100168 | Alexandria Engineering Journal  | 55   | 2  | 0 | 0 | 5 | 3 | 4 | 2 | 14 | 0 |
| 2016 | Analysis of different nutrient status of liquid bio-fertilizer of different combinations of buffalo dung with gram bran and water hyacinth through vermicomposting by Eisenia fetida | Nath S., Singh K.  | 1387585X | Environment, Development and Sustainability                                 | 18   | 3  | 0 | 5 | 0 | 2 | 3 | 2 | 12 | 0 |
| 2016 | QSAR study of some pyrazolo[3,4-d]pyrimidine derivatives as the c-Src inhibitors   | Shukla B.K., Yadava U.   | 0094243X | AIP Conference Proceedings  | 1728 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Electronic structure of an anticancer drug DC81 and its interaction with DNA base pairs  | Tiwari G., Sharma D., Dwivedi K.K., Dwivedi M.K.                       | 0094243X | AIP Conference Proceedings  | 1728 |    | 0 | 0 | 0 | 1 | 0 | 0 | 1  | 0 |
| 2016 | Electronic structure and pair potential energy analysis of 4-n-methoxy-4f?y-cyanobiphenyl: A nematic liquid crystal  | Sharma D., Dwivedi M.K., Tiwari S.N.                                   | 0094243X | AIP Conference Proceedings  | 1728 |    | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Modified cubic B-spline differential quadrature method for numerical solution of three-dimensional coupled viscous Burger equation   | Shukla H.S., Tamsir M., Srivastava V.K., Rashidi M.M.                  | 2179849  | Modern Physics Letters B  | 30   | 11 | 0 | 5 | 5 | 2 | 3 | 4 | 19 | 0 |
| 2016 | Emerging tools and approaches to biotechnology in the omics era  | Malviya N., Tanveer A., Yadav S., Yadav D.                             |          | Applied Molecular Biotechnology: The Next Generation of Genetic Engineering |      |    | 0 | 0 | 1 | 0 | 0 | 0 | 1  | 0 |



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|------|--|--|----------|--|-----|---|---|---|---|---|---|---|----|---|
| 2016 | Fermented papaya preparation modulates the progression of N-methyl-N-nitrosourea induced hepatocellular carcinoma in Balb/c mice   | Somanah J., Ramsaha S., Verma S., Kumar A., Sharma P., Singh R.K., Aruoma O.I., Bourdon E., Bahorun T. | 243205   | Life Sciences  | 151 |   | 0 | 2 | 3 | 3 | 2 | 3 | 13 | 0 |
| 2016 | Broad-band linear polarization in late-type active dwarfs  | Patel M.K., Pandey J.C., Karmakar S., Srivastava D.C., Savanov I.S.                                    | 358711   | Monthly Notices of the Royal Astronomical Society                        | 457 | 3 | 0 | 1 | 0 | 0 | 2 | 0 | 3  | 0 |
| 2016 | Strategies to control post-harvest diseases of table grape: a review   | Sonker N., Pandey A.K., Singh P.   | 9571264  | Journal of Wine Research   | 27  | 2 | 0 | 0 | 4 | 2 | 5 | 2 | 13 | 0 |
| 2016 | Modified image based approach and neural networks for face recognition   | Shukla H.S., Verma R.  | 9734562  | International Journal of Applied Engineering Research                    | 11  | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Efficacy of Some Essential Oils Against Aspergillus flavus with Special Reference to Lippia alba Oil an Inhibitor of Fungal Proliferation and Aflatoxin B1 Production in Green Gram Seeds during Storage | Pandey A.K., Sonker N., Singh P.   | 221147   | Journal of Food Science  | 81  | 4 | 0 | 4 | 2 | 5 | 1 | 4 | 16 | 0 |
| 2016 | PVP Assisted Shape-Controlled Synthesis of Self-Assembled 1D ZnO and 3D CuO Nanostructures   | Haque F.Z., Parra M.R., Siddiqui H., Singh N., Singh N., Pandey P., Mishra K.M.                        | 0030400X | Optics and Spectroscopy (English translation of Optika i Spektroskopiya) | 120 | 3 | 0 | 2 | 6 | 1 | 3 | 0 | 12 | 0 |
| 2016 | Analytical study of time-fractional order Klein-Gordon equation  | Tamsir M., Srivastava V.K.   | 11100168 | Alexandria Engineering Journal   | 55  | 1 | 0 | 1 | 5 | 2 | 2 | 6 | 16 | 0 |
| 2016 | Some novel organometallic MnIII complexes with porphine and 1,6-diaminohexane  | Bharati S.L., Chaurasia P.K., Yadava S.  | 360236   | Russian Journal of Inorganic Chemistry                                   | 61  | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2  | 0 |
| 2016 | On a Class of $\eta$ -Para Kenmotsu Manifolds  | Srivastava K., Srivastava S.K.   | 16605446 | Mediterranean Journal of Mathematics                                     | 13  | 1 | 0 | 3 | 1 | 0 | 3 | 0 | 7  | 0 |
| 2016 | Synthesis, structural characterization and biological studies of neodymium(III) and samarium(III) complexes with mercaptotriazole Schiff bases   | Ain Q., Pandey S.K., Pandey O.P., Sengupta S.K.  | 2682605  | Applied Organometallic Chemistry   | 30  | 2 | 0 | 0 | 0 | 1 | 4 | 4 | 9  | 0 |
| 2016 | Comparative computational analysis of electronic structure, MEP surface and vibrational assignments of a nematic liquid crystal: 4-n-methyl-4'-cyanobiphenyl   | Sharma D., Tiwari S.N.   | 1677322  | Journal of Molecular Liquids   | 214 |   | 0 | 3 | 2 | 5 | 5 | 1 | 16 | 0 |
| 2016 | Inhibition of acetylcholinesterase and cytochrome oxidase activity in Fasciola gigantica cercaria by phytoconstituents   | Sunita K., Habib M., Kumar P., Singh V.K., Husain S.A., Singh D.K.                                     | 0001706X | Acta Tropica   | 154 |   | 3 | 3 | 2 | 0 | 1 | 1 | 7  | 0 |

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| 2016 | Effect of host density on life table statistics of <i>Bracon hebetor</i> Say, 1836 (Hymenoptera: Braconidae)  | Singh D., Singh R.P., Tripathi C.P.M.   | 3946975  | Tropical Zoology  | 29   | 1   | 0 | 1 | 0 | 1 | 1 | 2 | 5  | 0 |
| 2016 | Determination of arsenic extraction by <i>Vetiveria zizanioides</i> (L.) Nash plant for phytoremediation application  | Tiwari S., Sarangi B.K., Seralanathan M.V., Sivanesan S., Yadav D., Thul S.T. | 2757540  | Chemistry and Ecology   | 32   | 1   | 1 | 1 | 0 | 1 | 0 | 0 | 2  | 0 |
| 2016 | Aphids and Their Biocontrol   | Singh R., Singh G.  |          | Ecofriendly Pest Management for Food Security                           |      |     | 0 | 0 | 1 | 0 | 2 | 2 | 5  | 0 |
| 2016 | Chlorophyllin Bait Formulation and Exposure to Different Spectrum of Visible Light on the Reproduction of Infected/Uninfected Snail <i>Lymnaea acuminata</i>  | Kumar N., Singh D.K., Singh V.K.  | 2090908X | Scientifica   | 2016 |     | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Garlic: A potential source of pharmaceuticals and pesticides: A review  | Upadhyay R.K.   | 9738258  | International Journal of Green Pharmacy                                 | 10   | 1   | 0 | 1 | 0 | 5 | 3 | 0 | 9  | 0 |
| 2016 | Anti-arthritis potential of plant natural products; Its use in joint pain medications and anti-inflammatory drug formulations                                 | Upadhyay R.K.   | 9738258  | International Journal of Green Pharmacy                                 | 10   | 3   | 1 | 0 | 1 | 0 | 0 | 2 | 3  | 0 |
| 2016 | Antidiabetic potential of plant natural products: A review  | Upadhyay R.K.   | 9738258  | International Journal of Green Pharmacy                                 | 10   | 3   | 0 | 1 | 0 | 1 | 1 | 1 | 4  | 0 |
| 2016 | Nutraceutical, pharmaceutical and therapeutic uses of <i>Allium cepa</i> : A review   | Upadhyay R.K.   | 9738258  | International Journal of Green Pharmacy                                 | 10   | 1   | 1 | 1 | 3 | 6 | 5 | 4 | 19 | 0 |
| 2016 | Viral diseases on medicinal plants of North-Eastern Uttar Pradesh   | Srivastava D., Shukla K.  |          | Plant Viruses: Evolution and Management                                 |      |     | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Investigation of natural plant aegle marmelos essential oil bioactivity on development and toxicity of <i>tribolium castaneum</i> (Coleoptera: Tenebrionidae) | Mishra B.B., Tripathi S.P., Tripathi C.P.M.                                   | 18119778 | International Journal of Zoological Research                            | 12   | 3-4 |   | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Pheophorbide a potential source of plant molluscicide to combat against neglected tropical disease fasciolosis  | Singh K., Singh V.K.  | 18164943 | Research Journal of Parasitology  | 11   | 1-2 |   | 0 | 0 | 0 | 0 | 0 | 0  | 0 |
| 2016 | Toxicity of chlorophyllin against <i>Lymnaea acuminata</i> at different wavelengths of visible light  | Chaturvedi D., Singh V.K.   | 19853718 | Tropical Life Sciences Research   | 27   | 2   |   | 0 | 1 | 0 | 0 | 0 | 0  | 1 |
| 2016 | Radiative characterization of aerosols in the central Indo-Gangetic plain   | Singh P., Vaishya A., Rastogi S.  | 0277786X | Proceedings of SPIE - The International Society for Optical Engineering | 9876 |     |   | 0 | 0 | 0 | 0 | 1 | 0  | 1 |

|      |   |  |          |   |      |    |   |   |   |   |   |   |    |   |
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| 2016 | Source apportionment of absorbing aerosols in the central Indo-Gangetic Plain   | Vaishya A., Singh P., Rastogi S., Babu S.S.  | 0277786X | Proceedings of SPIE - The International Society for Optical Engineering | 9876 |    | 0 | 0 | 0 | 0 | 1 | 0 | 1  | 0 |
| 2016 | Study of CO2 variability over India using data from satellites  | Prasad P., Rastogi S., Singh R.P.  | 0277786X | Proceedings of SPIE - The International Society for Optical Engineering | 9876 |    | 0 | 1 | 1 | 1 | 1 | 0 | 4  | 0 |
| 2016 | A critical analysis of information technology and business process reengineering  | Lal Bhaskar H.   | 17466474 | International Journal of Productivity and Quality Management            | 19   | 1  | 0 | 2 | 3 | 2 | 3 | 1 | 11 | 0 |
| 2016 | Structure of an ABC transporter solute-binding protein specific for the amino sugars glucosamine and galactosamine                                  | Yadava U., Vetting M.W., Al Obaidi N., Carter M.S., Gerlt J.A., Almo S.C.  | 2053230X | Acta Crystallographica Section:F Structural Biology Communications      | 72   |    | 0 | 0 | 0 | 1 | 0 | 0 | 1  | 0 |
| 2016 | Pd/Fe3O4 supported on nitrogen-doped reduced graphene oxide for room-temperature isocyanide insertion reactions                                     | Singh K., Singh A.K., Singh D., Singh R., Sharma S.  | 20444753 | Catalysis Science and Technology  | 6    | 11 | 1 | 4 | 3 | 3 | 1 | 1 | 12 | 0 |
| 2016 | Anthelmintic activity of chlorophyllin against different larval stages of fasciola gigantica  | Singh D.J., Singh D.K.   | 364665   | Revista do Instituto de Medicina Tropical de Sao Paulo                  | 58   |    | 2 | 1 | 1 | 0 | 0 | 0 | 2  | 0 |
| 2016 | Genome- wide characterization of Nuclear Factor Y (NF-Y) gene family of sorghum [Sorghum bicolor (L.) Moench]: a bioinformatics approach            | Malviya N., Jaiswal P., Yadav D.   | 9715894  | Physiology and Molecular Biology of Plants                              | 22   | 1  | 0 | 1 | 2 | 2 | 5 | 0 | 10 | 0 |
| 2016 | Multiband optical variability of the blazar S5 0716+714 in outburst state during 2014-2015  | Agarwal A., Gupta A.C., Bachev R., Strigachev A., Semkov E., Wiita P.J., Fan J.H., Pandey U.S., Boeva S., Spassov B. | 358711   | Monthly Notices of the Royal Astronomical Society                       | 455  | 1  | 2 | 8 | 8 | 4 | 4 | 1 | 25 | 0 |
| 2016 | Fabrication of Potentiometric Cholesterol Biosensor by Crosslinking of Cholesterol Oxidase and Carbon Nanotubes Modified Cellulose Acetate Membrane | Pandey A., Pandey P., Pandey O.P., Shukla N.K.   | 1546198X | Sensor Letters  | 14   | 1  | 0 | 0 | 2 | 0 | 1 | 0 | 3  | 0 |

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| 2016 | Purification and characterization of a thermally stable yellow laccase from <i>Daedalea flavida</i> MTCC-145 with higher catalytic performance towards selective synthesis of substituted benzaldehydes | Sharma M., Chaurasia P.K., Yadav A., Yadav R.S.S., Yadava S., Yadav K.D.S.   | 10681620 | Russian Journal of Bioorganic Chemistry | 42  | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 3 | 0 |
| 2016 | Modulation of hepatocarcinogenesis in N-methyl-N-nitrosourea treated Balb/c mice by mushroom extracts   | Ramsaha S., Neergheen-Bhujun V.S., Verma S., Kumar A., Bharty R.K., Chaudhary A.K., Sharma P., Singh R.K., Huzar Fatty Beejan P., Kyung-Sun K., Bahorun T. | 20426496 | Food and Function                       | 7   | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 |
| 2016 | Nutritional and antioxidant properties of wild edible macrofungi from North-Eastern Uttar Pradesh, India  | Vishwakarma P., Singh P., Tripathi N.N.  | 9725938  | Indian Journal of Traditional Knowledge | 15  | 1 | 1 | 2 | 1 | 2 | 0 | 0 | 5 | 0 |
| 2016 | Nanoferrites of transition metals and their catalytic activity  | Sharma J.K., Srivastava P., Singh G., Virk H.S.  | 10120394 | Solid State Phenomena                   | 241 |   | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| 2016 | Molecular dynamics simulation of hydrated d(CGCGTACCCG) 4 as a four-way DNA Holliday junction and comparison with the crystallographic structure  | Yadav R.K., Yadava U.  | 8927022  | Molecular Simulation                    | 42  | 1 | 0 | 3 | 1 | 0 | 0 | 1 | 5 | 0 |
| 2016 | Changes in reproductive phenology and sex ratio of <i>Trewia nudiflora</i> Linn. Growing in sal forest of north-eastern Uttar Pradesh, India  | Chaurasia B., Shukla R.P.  | 5643295  | Tropical Ecology                        | 57  | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 4 | 0 |



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