

Annual Subject Index

3CL Main protease		AhR gene	
Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	Investigating possible effects of aryl hydrocarbon receptor G1661A polymorphism on asthma severity in adults	311
Abemaciclib		Alcoholic soxhlation method	
Relationship with nephrotoxicity of Abemaciclib in rats: Protective effect of Curcumin	963	Phytochemical evaluation and anti-psoriatic activity of the ethanolic extract of the leaves of <i>Momordica charantia</i>	751
Academic performance		Alternative medicine	
Alleviate examination anxiety and conserve mental health of the adolescent students: The future of the nation	1081	Assessment of cranberry bush on MCF-7 human breast cancer cells	985
ACE2		Alzheimer's disease	
Computational evaluation of 2-arylbenzofurans for their potential use against SARS-CoV-2: A DFT, molecular docking, molecular dynamics simulation study	59	Systematic review on nine hallmarks of neurodegenerative disease	249
Acetylcholinesterase (AChE)		Identification of potential AChE inhibitors through combined machine-learning and structure-based design approaches	619
Protective effect of huperzine A on phenytoin induced cognition impairment: Behavioral and biochemical study	205	<i>Amaranthus dubius</i>	
Acidosis		Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732	Amber	
Acute respiratory distress syndrome		Identification of potential AChE inhibitors through combined machine-learning and structure-based design approaches	619
Carcinoembryonic antigen (CEA) and other surrogate inflammatory biomarkers in COVID-19	667	Amoxicillin	
ADMET		Sustained release of drug loaded nanofibers for wound dressing applications	479
Molecular docking studies of natural and synthetic compounds against human secretory PLA ₂ in therapeutic intervention of inflammatory diseases and analysis of their pharmacokinetic properties	33	Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006
Adsorption process		Ampicillin	
Effective adsorption of drug from aqueous solution using citric acid functionalized magnetite nanoparticles and their antibacterial studies	892	Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006
Aggregation		Amylase inhibitor	
Biochemical and microscopy evidence on adverse effects of nitroxidized human serum albumin	23	Evaluation of <i>trans</i> -cinnamaldehyde as an anti-hyperglycemic compound through inhibition of α -amylase	183
Ag-NPs		Amyloid plaque	
Roots of <i>Pennisetum</i> sp. possess the competence to generate nanoparticles of noble metals	461	A review on phyto-nanotechnology for therapy of alzheimer's disease	867
Agriculture		Amyloid-beta	
Phytonanotechnology: Recent applications and the role of Biocorona	405	Systematic review on nine hallmarks of neurodegenerative disease	249
		Analytical assessments	
		The role of lipids and fatty acid metabolism in the development of prostate cancer	873

<i>Andrographis paniculata</i>		Anti-inflammatory activity	
Anti-bacterial activity of neoandrographolide derivatives: <i>In silico</i> interaction with the bacterial target	157	Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived <i>Streptomonospora arabica</i> VSM-25	73
Angiogenesis efficiency		Anti-inflammatory	
Tumor cell and microvessel densities during the growth of a brain tumor: A theoretical study	675	Design and synthesis of novel quercetin metal complexes as IL-6 inhibitors for anti-inflammatory effect in SARS-CoV-2	823
Anovulatory infertility		Anti-leishmanial drug	
Effects of opium alkaloid, noscapine in RU486 induced experimental model of polycystic ovary syndrome	468	Computational studies on new Leishmanial drug targets against Quercetin	909
Veritable evaluation and inspection of PCOS and its apropos medicaments	1039	Antimicrobial activity	
ANS		Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived <i>Streptomonospora arabica</i> VSM-25	73
<i>In vitro</i> stability of various enzymes by proline from H ₂ O ₂ mediated oxidative damage	111	Anti-bacterial activity of neoandrographolide derivatives: <i>In silico</i> interaction with the bacterial target	157
Antibacterial activity		Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767
Synthesis, characterization, molecular docking and antibacterial activities of Bis-[(E)-3 {2-(1-4-chlorophenyl) ethylidene}hydrazinyl]-N-(4-methylphenyl)-3-oxopropanamideZinc (II) complex	50	Antimicrobial resistance	
Nano-therapeutic efficacy of green synthesized gold nanoparticles (gAuNPs) and its antibacterial efficacy	455	Evolution of modern age drug discovery of lipopeptides and computer-aided drug discovery in India	503
Molecular docking and Antibacterial activities of Cobalt (II) complexes derived from precursors of Hydrazones	640	Antimicrobial	
Effective adsorption of drug from aqueous solution using citric acid functionalized magnetite nanoparticles and their antibacterial studies	892	Estimation of bioactive potential of culturable bacterial endophytes from <i>Coleus</i>	331
Antibacterial		Antioxidant activity	
<i>Hibiscus tiliaceus</i> mediated phytochemical reduction of zinc oxide nanoparticles and demonstration of their antibacterial, anticancer, and dye degradation capabilities	565	Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived <i>Streptomonospora arabica</i> VSM-25	73
Antibiotics		Biomimetic of hydroxyapatite with <i>Tridax procumbens</i> leaf extract and investigation of antibiofilm potential in <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	755
Isolation and characterization of native <i>Rhizobium</i> from root nodules of raikia french bean growing area of Odisha	918	Antioxidant	
Anticancer peptides		Estimation of bioactive potential of culturable bacterial endophytes from <i>Coleus</i>	331
Potential anticancer peptides design from the cysteine rich plant defensins: An <i>in silico</i> approach	900	Antiphytopathogen	
Anticancer		Estimation of bioactive potential of culturable bacterial endophytes from <i>Coleus</i>	331
<i>Hibiscus tiliaceus</i> mediated phytochemical reduction of zinc oxide nanoparticles and demonstration of their antibacterial, anticancer, and dye degradation capabilities	565	Antipsychotic drugs	
Anti-proliferating effect of <i>Ocimum sanctum</i> and <i>Centella asiatica</i> plant extract on growth of human glioblastoma cells: An <i>in vitro</i> study	956	Journey from seclusion to inclusion: Development of mental health services in India since independence	575
Anti-depressants		Antiviral Steroid therapy	
Total serum cholesterol level in patients with major depressive disorder: Simple yet undermined	836	Post-acute sequelae of SARS-CoV-2 Delta variant infection: A report of three cases in a single family	777
		Apoptosis	
		DUSP6: Potential interactions with FXR1P in the nervous system	229
		Relationship with nephrotoxicity of Abemaciclib in rats: Protective effect of Curcumin	963
		Assessment of cranberry bush on MCF-7 human breast cancer cells	985

Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113	<i>Bacillus cereus</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
Appendicitis Post-acute sequelae of SARS-CoV-2 Delta variant infection: A report of three cases in a single family	777	<i>Bacillus megaterium</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
Aquaporin Relationship with nephrotoxicity of Abemaciclib in rats: Protective effect of Curcumin	963	<i>Bacillus subtilis</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
Aquatic weed Exploring integrated methodology for phytoremediation and biofuel production potential of <i>Eichhornia crassipes</i>	368	<i>Bacillus</i> Comparative P solubilizing efficiencies of five acid soil bacteria incubated with calcium, aluminium and iron phosphates	947
Aqueous ionic micelles Effect of temperature and chain length of added primary amines on the sphere to rod transition of aqueous ionic micelles	808	Bacterial genotoxicity Synthesis of iron nanoparticles, its characterization and anti-microbial activity assessment	1184
Artificial intelligence Identification of potential AChE inhibitors through combined machine-learning and structure-based design approaches	619	Bacterial resistance Synthesis of zinc oxide nanoparticles, its characterization and anti-microbial activity assessment	1106
Ascorbic acid Phytochemical evaluation and anti-psoriatic activity of the ethanolic extract of the leaves of <i>Momordica charantia</i>	751	Band gap A review on synthesis of quantum dots and their biomedical applications	1171
<i>Aspergillus ochraceus</i> Application of <i>Syzygium aromaticum</i> , <i>Ocimum sanctum</i> , and <i>Cananga odorata</i> essential oils for management of Ochratoxin A content by <i>Aspergillus ochraceus</i> and <i>Penicillium verrucosum</i> : An <i>in vitro</i> assessment in maize grains	172	<i>Basella alba</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
Au-NPs Roots of <i>Pennisetum</i> sp. possess the competence to generate nanoparticles of noble metals	461	BBR-FGCN Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	440
Autodock Molecular docking studies of natural and synthetic compounds against human secretory PLA ₂ in therapeutic intervention of inflammatory diseases and analysis of their pharmacokinetic properties	33	Bee products Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006
Identification of potential AChE inhibitors through combined machine-learning and structure-based design approaches	619	Berberine Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	440
Autoimmune disease A bioinformatic approach to establish P38 α MAPK inhibitory mechanism of selected natural products in psoriasis	165	Versatility of berberine as an effective immunomodulator and chemo sensitizer against p53 mutant cell	509
Ayurveda traditional systems of medicine Polycystic ovarian syndrome (PCOS): Approach to traditional systems, natural and bio-chemical compounds for its management	521	<i>In silico</i> interaction of Berberine with some immunomodulatory targets: A docking analysis	848
<i>Azotobacter</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197	Bimetallic nanoparticles Biocatalytic and biological activities of <i>Kigelia africana</i> mediated silver monometallic and copper-silver bimetallic nanoparticles	94
		Binding energy Computational studies on the structural variations of MAO-A and MAO-B inhibitors - An <i>in silico</i> docking approach	276

Bioavailability		Bioinformatics	
<i>In silico</i> -based studies on phytochemicals from native Indian plants as potential inhibitors of SARS-CoV-2	653	A bioinformatic approach towards designing a human papillomavirus vaccine based on L1 capsid protein sequence of HPV45	927
Biocatalytic agents		Biomarker	
Biocatalytic and biological activities of <i>Kigelia africana</i> mediated silver monometallic and copper-silver bimetallic nanoparticles	94	Identification of hub genes in airway epithelial cells of asthma patients by WGCNA and PPI network	258
Biochemical parameters		Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552
Carcinoembryonic antigen (CEA) and other surrogate inflammatory biomarkers in COVID-19	667	Biomolecules	
Biocomposite		ZnO quantum dots a novel nanomaterial for various applications: Recent advances and challenges	1190
Biomimetic of hydroxyapatite with <i>Tridax procumbens</i> leaf extract and investigation of antibiofilm potential in <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	755	Bioremediation	
Biocontrol agents		Fabrication of PVA-Silver nanoparticle composite film for elimination of microbial contaminant from effluent	936
Utilization of fungal biocontrol agents against rice sheath blight disease provides insight into their role in plant defense responses	1069	Biosynthesis	
Biocorona		Improving the production of conjugated linoleic acid from sunflower oil by lactic acid bacteria spp: Effect of calcium carbonate supplementation in fermentation medium	741
Phytonanotechnology: Recent applications and the role of Biocorona	405	Black gram	
Biodecolourization		Effect of waterlogging on physiological traits and yield in black gram (<i>Vigna mungo</i> L.) in field condition	580
Decolorization of anthraquinone based dye (Vat Brown R) by <i>Pseudomonas aeruginosa</i> NCH - Optimization and kinetic study	709	Black lung	
Bioenergy feedstock		Pneumoconiosis: Cumulative global research output	224
Exploring integrated methodology for phytoremediation and biofuel production potential of <i>Eichhornia crassipes</i>	368	Bleeding disorder	
Biofabrication		Blood diffusion to novel therapies: A quantitative analysis of scholarly output in Haemophilia from India	843
Biofabricated nanoparticles: Their delivery and utility in <i>Plutella xylostella</i> management	399	Blood coagulation	
Biofabrication and optimization of silver nanoparticles using <i>Campsis</i> sp. to explore their antimicrobial properties	1176	Blood diffusion to novel therapies: A quantitative analysis of scholarly output in Haemophilia from India	843
Biofertilizer		Blood Formed Elements	
Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197	Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268
Comparative P solubilizing efficiencies of five acid soil bacteria incubated with calcium, aluminium and iron phosphates	947	Blood-brain barrier	
Biofilm		A review on phyto-nanotechnology for therapy of alzheimer's disease	867
Biomimetic of hydroxyapatite with <i>Tridax procumbens</i> leaf extract and investigation of antibiofilm potential in <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	755	BOD	
Bio-fortification		Fabrication of PVA-Silver nanoparticle composite film for elimination of microbial contaminant from effluent	936
Achievements of agricultural biotechnology: An initiative to double the farmer's income through cutting edge technology	793	Bradford Assay	
		Association of bull semen protein estimates and SDS-PAGE profiles on semen freezability	854
		<i>Brassica juncea</i>	
		Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197

Brassinosteroids		Cecal ligation and puncture	
Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320	The effect of L-theanine on the oxidant-antioxidant balance in serum and lung tissue in experimentally induced sepsis in rats	139
Breath biomarkers		Cell cycle arrest	
ZnO: SnO ₂ nanocomposite efficacy for gas sensing and microbial applications	586	Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived <i>Streptomonospora arabica</i> VSM-25	73
<i>Burkholderia</i>		Cell morphology	
Comparative P solubilizing efficiencies of five acid soil bacteria incubated with calcium, aluminium and iron phosphates	947	Cytotoxic and genotoxic assessment of wastewater on HEK293 cell line	558
Butyrylcholinesterase (BChE)		Cerebrum	
Protective effect of huperzine A on phenytoin induced cognition impairment: Behavioral and biochemical study	205	Protective effect of huperzine A on phenytoin induced cognition impairment: Behavioral and biochemical study	205
Calcium oxalate		Chemical fertilizer	
Dose-dependent effect of <i>Scolymus hispanicus</i> L. (sevketibostan) on ethylene glycol-induced kidney stone disease in rats	7	Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
<i>Calotropis</i>		Chemo-sensitizing	
Phytochemistry and Pharmacology of <i>Calotropis gigantea</i> — An update	611	Versatility of berberine as an effective immunomodulator and chemo sensitizer against p53 mutant cell	509
<i>Campsis</i> sp.		Chickpea lectin	
Biofabrication and optimization of silver nanoparticles using <i>Campsis</i> sp. to explore their antimicrobial properties	1176	Pyramiding and evaluation of segregating lines containing lectin and protease inhibitor genes for aphid resistance in <i>Brassica juncea</i>	800
Cancer		Chlorophyll	
Potential anticancer peptides design from the cysteine rich plant defensins: An <i>in silico</i> approach	900	Effect of waterlogging on physiological traits and yield in black gram (<i>Vigna mungo</i> L.) in field condition	580
Cardiovascular disease		Cholinesterase	
Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	440	Identification of potential AChE inhibitors through combined machine-learning and structure-based design approaches	619
Case reports		Ciprofloxacin	
Post-acute sequelae of SARS-CoV-2 Delta variant infection: A report of three cases in a single family	777	Effective adsorption of drug from aqueous solution using citric acid functionalized magnetite nanoparticles and their antibacterial studies	892
Catalysis		Citation	
Role of nanomaterials in catalytic reduction of organic pollutants	415	Comparative study of scientific articles on MMR vaccines published from India over the last few decades	595
Catalytic reduction		Citric acid	
Role of nanomaterials in catalytic reduction of organic pollutants	415	Effective adsorption of drug from aqueous solution using citric acid functionalized magnetite nanoparticles and their antibacterial studies	892
CD		Clinical relevance	
<i>In vitro</i> stability of various enzymes by proline from H ₂ O ₂ mediated oxidative damage	111	Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552
CEA		Cloning	
Carcinoembryonic antigen (CEA) and other surrogate inflammatory biomarkers in COVID-19	667	Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320

CNS		COVID-19 survivors	
A review on phyto-nanotechnology for therapy of alzheimer's disease	867	Post-acute sequelae of SARS-CoV-2 Delta variant infection: A report of three cases in a single family	777
Cobalt complexes		COVID-19	
Molecular docking and Antibacterial activities of Cobalt (II) complexes derived from precursors of Hydrazones	640	Computational evaluation of 2-arylbenzofurans for their potential use against SARS-CoV-2: A DFT, molecular docking, molecular dynamics simulation study	59
Co-localization		Global research trends of interleukin-6 in SARS-CoV-2 infection	528
DUSP6: Potential interactions with FXR1P in the nervous system	229	<i>In silico</i> -based studies on phytochemicals from native Indian plants as potential inhibitors of SARS-CoV-2	653
Co-precipitation method		Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088
Synthesis of iron nanoparticles, its characterization and anti-microbial activity assessment	1184	COX-1	
Comet assay		Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732
Cytotoxic and genotoxic assessment of wastewater on HEK293 cell line	558	COX-2	
Common golden thistle		Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732
Dose-dependent effect of <i>Scolymus hispanicus</i> L. (sevketibostan) on ethylene glycol-induced kidney stone disease in rats	7	Crime	
Community mental health services		Nanotechnology in Forensic Science: Extensive Applications and New Perspective	1144
Journey from seclusion to inclusion: Development of mental health services in India since independence	575	Critical micellar concentration	
Computational methods		Effect of temperature and chain length of added primary amines on the sphere to rod transition of aqueous ionic micelles	808
Nanoinformatics - A newly introduced tool for research	431	Cruciferous plant	
Computer-aided drug discovery		Biofabricated nanoparticles: Their delivery and utility in <i>Plutella xylostella</i> management	399
Evolution of modern age drug discovery of lipopeptides and computer-aided drug discovery in India	503	Cryopreservation	
Conformation change		Association of bull semen protein estimates and SDS-PAGE profiles on semen freezability	854
<i>In vitro</i> stability of various enzymes by proline from H ₂ O ₂ mediated oxidative damage	111	<i>Cryptosporidium parvum</i>	
Conjugated linoleic acid		Cryptosporidiosis, a public health challenge: A combined 3D shape-based virtual screening, docking study, and molecular dynamics simulation approach to identify inhibitors with novel scaffolds for the treatment of cryptosporidiosis	296
Improving the production of conjugated linoleic acid from sunflower oil by lactic acid bacteria spp: Effect of calcium carbonate supplementation in fermentation medium	741	Crystal stone formation	
Consensus sequence		Dose-dependent effect of <i>Scolymus hispanicus</i> L. (sevketibostan) on ethylene glycol-induced kidney stone disease in rats	7
A bioinformatic approach towards designing a human papillomavirus vaccine based on L1 capsid protein sequence of HPV45	927	Curcumin	
Copper alginate		Relationship with nephrotoxicity of Abemaciclib in rats: Protective effect of Curcumin	963
A comparative study of free laccase and laccase immobilized in copper alginate	214	Cytokine release syndrome	
<i>Coriandrum sativum</i> L.		Design and synthesis of novel quercetin metal complexes as IL-6 inhibitors for anti-inflammatory effect in SARS-CoV-2	823
Green synthesis and characterization of iron oxide nanoparticles using <i>Coriandrum sativum</i> L. leaf extract	450		

Cytokine		Dissolved Oxygen	
Effects of heavy metals on the viability of A549 cells	726	Fabrication of PVA-Silver nanoparticle composite film for elimination of microbial contaminant from effluent	936
<i>In silico</i> interaction of Berberine with some immunomodulatory targets: A docking analysis	848		
Cytotoxicity studies		DLS	
Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767	Biofabrication and optimization of silver nanoparticles using <i>Campsis</i> sp. to explore their antimicrobial properties	1176
Cytotoxicity		DNA Fingerprinting	
Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived <i>Streptomonospora arabica</i> VSM-25	73	SSR marker-based DNA fingerprinting of <i>Sub1</i> introgressed lines in the background of traditional rice varieties of Assam India	350
Estimation of bioactive potential of culturable bacterial endophytes from <i>Coleus</i>	331	DNA fragmentation assay	
Anti-proliferating effect of <i>Ocimum sanctum</i> and <i>Centella asiatica</i> plant extract on growth of human glioblastoma cells: An <i>in vitro</i> study	956	Synthesis of zinc oxide nanoparticles, its characterization and anti-microbial activity assessment	1106
<i>De novo</i> synthesis		Docking study	
The role of lipids and fatty acid metabolism in the development of prostate cancer	873	A bioinformatic approach to establish P38 α MAPK inhibitory mechanism of selected natural products in psoriasis	165
Dehydrogenase		Docking	
Assessment of soil biochemical properties and soil quality index under rainfed land use systems in submontane Punjab, India	357	Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732
Denaturants		Drug delivery system	
Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate reductase	148	Nanoinformatics - A newly introduced tool for research	431
Detection		Drug repurposing	
Nanotechnology in Forensic Science: Extensive Applications and New Perspective	1144	Evaluation of predictive machine learning models for drug repurposing against delta variant of SARS-CoV-2 spike protein	879
Dietary fibers		Drug-gene interaction	
The interplay between oat beta glucan, gut microbiota and gut-liver axis in treatment of obesity associated non-alcoholic steatohepatitis and Type II diabetes mellitus	14	Prediction of protein-protein interaction networks and druggable genes associated with parkinson's disease	39
Differentially expressed genes		Drug-likeness	
Prediction of protein-protein interaction networks and druggable genes associated with parkinson's disease	39	Computational evaluation of 2-arylbenzofurans for their potential use against SARS-CoV-2: A DFT, molecular docking, molecular dynamics simulation study	59
Identification of hub genes in airway epithelial cells of asthma patients by WGCNA and PPI network	258	Computational studies on the structural variations of MAO-A and MAO-B inhibitors - An <i>in silico</i> docking approach	276
Diflunisal		Dysfunction in mitochondria	
Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732	Systematic review on nine hallmarks of neurodegenerative disease	249
Disc diffusion method		Electric conductivity	
Molecular docking and Antibacterial activities of Cobalt (II) complexes derived from precursors of Hydrazones	640	Effect of poplar and eucalyptus based agroforestry system on soil biochemistry	126
Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767	Electrospun nanofibers	
		Sustained release of drug loaded nanofibers for wound dressing applications	479

Energy requirement		Eucalyptus	
Tumor cell and microvessel densities during the growth of a brain tumor: A theoretical study	675	Effect of poplar and eucalyptus based agroforestry system on soil biochemistry	126
Engineered nanoagroparticles		Eugenol	
Nanotechnological interventions in sustainable agriculture	1153	Anti-proliferating effect of <i>Ocimum sanctum</i> and <i>Centella asiatica</i> plant extract on growth of human glioblastoma cells: An <i>in vitro</i> study	956
Engineered nanoparticles (ENP)		Evidence	
Nanoinformatics - A newly introduced tool for research	431	Nanotechnology in Forensic Science: Extensive Applications and New Perspective	1144
Engineered nanoparticles (ENPs): Unexplored potential and limitations	1163	Evolution of drug discovery	
Environmental enrichment		Evolution of modern age drug discovery of lipopeptides and computer-aided drug discovery in India	503
Exposure to an enriched environment promotes dendritic remodelling in hippocampal neurons affected by endogenous depression	998	Flooding	
Environmental nanotechnology		Effect of waterlogging on physiological traits and yield in black gram (<i>Vigna mungo</i> L.) in field condition	580
Environmental Nanotechnological Applications for Sustainable Agriculture	1056	Fluorescence	
Environmental pollution		<i>In vitro</i> stability of various enzymes by proline from H ₂ O ₂ mediated oxidative damage	111
Role of biologically synthesised nanoparticles in environmental pollution remediation	1148	Free fatty acids	
Enzymatic assay		The role of lipids and fatty acid metabolism in the development of prostate cancer	873
Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate reductase	148	French bean	
Enzyme Inhibitors		Isolation and characterization of native <i>Rhizobium</i> from root nodules of raikia french bean growing area of Odisha	918
Biochemical characterization with kinetic studies of melanogenic enzyme tyrosinase from white button mushroom, <i>Agaricus bisporus</i>	718	Frieswal bulls	
Epigenetic alterations		Association of bull semen protein estimates and SDS-PAGE profiles on semen freezability	854
Versatility of berberine as an effective immunomodulator and chemo sensitizer against p53 mutant cell	509	FT-IR	
Equilibrium unfolding		Biochemical characterization with kinetic studies of melanogenic enzyme tyrosinase from white button mushroom, <i>Agaricus bisporus</i>	718
Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate reductase	148	Antimicrobial and toxicity properties of crystalline potassium tetrachlorocuprate (II) dehydrate	813
ERK1/2		GA3	
DUSP6: Potential interactions with FXR1P in the nervous system	229	Modified protocol to overcome <i>in vitro</i> recalcitrance of premature micro-shoots abscission by silver supplementation in Kinnow mandarin (<i>Citrus nobilis</i> L. × <i>Citrus deliciosa</i> T.)	687
Essential oils		gAuNPs	
Application of <i>Syzygium aromaticum</i> , <i>Ocimum sanctum</i> , and <i>Cananga odorata</i> essential oils for management of Ochratoxin A content by <i>Aspergillus ochraceus</i> and <i>Penicillium verrucosum</i> : An <i>in vitro</i> assessment in maize grains	172	Nano-therapeutic efficacy of green synthesized gold nanoparticles (gAuNPs) and its antibacterial efficacy	455
Ethnobotanical		Gene expressions	
Phytochemistry and Pharmacology of <i>Calotropis gigantea</i> — An update	611	Progress and future challenges in gene vectors, gene therapy systems and gene expressions	1027
		Gene targeting	
		Progress and future challenges in gene vectors, gene therapy systems and gene expressions	1027

Gene therapy		Green electrochemical sensors	
Blood diffusion to novel therapies: A quantitative analysis of scholarly output in Haemophilia from India	843	Green electrochemical sensors based on ionic liquid nanocomposites for detection of environmental pollutants	387
Progress and future challenges in gene vectors, gene therapy systems and gene expressions	1027	Green nanoagrosience	
General hospital psychiatric units		Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of <i>Gladiolus</i>	486
Journey from seclusion to inclusion: Development of mental health services in India since independence	575	Nanotechnological interventions in sustainable agriculture	1153
Generation time		Green synthesis	
Isolation and characterization of native <i>Rhizobium</i> from root nodules of raikia french bean growing area of Odisha	918	Role of biologically synthesised nanoparticles in environmental pollution remediation	1148
Genetic association		Growth kinetics	
Investigating possible effects of aryl hydrocarbon receptor G1661A polymorphism on asthma severity in adults	311	Synthesis of iron nanoparticles, its characterization and anti-microbial activity assessment	1184
Genetic engineering		Growth promotion	
Achievements of agricultural biotechnology: An initiative to double the farmer's income through cutting edge technology	793	Estimation of bioactive potential of culturable bacterial endophytes from <i>Coleus</i>	331
Genetic transformation		Haemolytic	
Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320	Design and synthesis of novel quercetin metal complexes as IL-6 inhibitors for anti-inflammatory effect in SARS-CoV-2	823
Genotoxicity effects		Hardwood	
Assessment of cranberry bush on MCF-7 human breast cancer cells	985	Modified protocol to overcome <i>in vitro</i> recalcitrance of premature micro-shoots abscission by silver supplementation in Kinnow mandarin (<i>Citrus nobilis</i> L. × <i>Citrus deliciosa</i> T.)	687
GEO		Hazardous	
Identification of hub genes in airway epithelial cells of asthma patients by WGCNA and PPI network	258	Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113
Geographical		Health hazard	
Phytochemistry and Pharmacology of <i>Calotropis gigantea</i> — An update	611	Cytotoxic and genotoxic assessment of wastewater on HEK293 cell line	558
Ginseng scaffold		Heavy metals	
Ginseng used for bone tissue scaffold	696	Exploring integrated methodology for phytoremediation and biofuel production potential of <i>Eichhornia crassipes</i>	368
<i>Gladiolus</i>		Hematopoietic Stem and Progenitor Cell	
Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of <i>Gladiolus</i>	486	DNA methylation is involved in the microRNA-886-3p gene expression and plays a potential role in hematopoietic stem and progenitor cell mobilization through affecting SDF-1	103
<i>Glomus</i>		Heterocyclic ligands and anti-microbial activity	
Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197	Anti pathogenic studies of new mixed ligand metal chelates	189
Gluconic acid		<i>Hibiscus tiliaceus</i>	
Comparative P solubilizing efficiencies of five acid soil bacteria incubated with calcium, aluminium and iron phosphates	947	<i>Hibiscus tiliaceus</i> mediated phytochemical reduction of zinc oxide nanoparticles and demonstration of their antibacterial, anticancer, and dye degradation capabilities	565
G-protein coupled receptors			
The interplay between oat beta glucan, gut microbiota and gut-liver axis in treatment of obesity associated non-alcoholic steatohepatitis and Type II diabetes mellitus	14		

Histamine receptors		Hyperglycemia	
Immunocytochemical evidence of histamine 1 and histamine 2 receptors on mice sperm	632	Evaluation of <i>trans</i> -cinnamaldehyde as an anti-hyperglycemic compound through inhibition of α -amylase	183
Histopathology		Hypothalamic-pituitary-ovarian axis	
Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552	Effects of opium alkaloid, noscapine in RU486 induced experimental model of polycystic ovary syndrome	468
Homeopathy		Veritable evaluation and inspection of PCOS and its apropos medicaments	1039
Polycystic ovarian syndrome (PCOS): Approach to traditional systems, natural and bio-chemical compounds for its management	521	Immobilization	
Honeycomb scaffold		A comparative study of free laccase and laccase immobilized in copper alginate	214
Ginseng used for bone tissue scaffold	696	Immune response	
Hormetic effect		A bioinformatic approach towards designing a human papillomavirus vaccine based on L1 capsid protein sequence of HPV45	927
Versatility of berberine as an effective immunomodulator and chemo sensitizer against p53 mutant cell	509	Immunization	
Hormonal Imbalance		Nanotechnology in vaccine and immunology	1135
Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268	Immunocytochemistry	
Hotspot residues		Immunocytochemical evidence of histamine 1 and histamine 2 receptors on mice sperm	632
Structure-function relationships among selected human coronaviruses	536	Immunomodulation	
HPLC		Immunomodulatory potential of nanomaterials: Interaction with the immune system	1159
Comparative P solubilizing efficiencies of five acid soil bacteria incubated with calcium, aluminium and iron phosphates	947	Immunomodulatory	
HPV45		<i>In silico</i> interaction of Berberine with some immunomodulatory targets: A docking analysis	848
A bioinformatic approach towards designing a human papillomavirus vaccine based on L1 capsid protein sequence of HPV45	927	Immunosuppressant	
Human resource		Immunomodulatory potential of nanomaterials: Interaction with the immune system	1159
Alleviate examination anxiety and conserve mental health of the adolescent students: The future of the nation	1081	<i>In silico</i> investigation	
Hydrazones		Computational evaluation of 2-arylbenzofurans for their potential use against SARS-CoV-2: A DFT, molecular docking, molecular dynamics simulation study	59
Synthesis, characterization, molecular docking and antibacterial activities of Bis-[(E)-3 {2-(1-4-chlorophenyl) ethylidene}hydrazinyl]-N-(4-methylphenyl)-3-oxopropanamideZinc (II) complex	50	Indian traditional systems	
Hydroxyapatite		Polycystic ovarian syndrome (PCOS): Approach to traditional systems, natural and bio-chemical compounds for its management	521
Biomimetic of hydroxyapatite with <i>Tridax procumbens</i> leaf extract and investigation of antibiofilm potential in <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	755	Inflammation	
Hyper-and rogenemia		Molecular docking studies of natural and synthetic compounds against human secretory PLA ₂ in therapeutic intervention of inflammatory diseases and analysis of their pharmacokinetic properties	33
Veritable evaluation and inspection of PCOS and its apropos medicaments	1039	<i>In silico</i> interaction of Berberine with some immunomodulatory targets: A docking analysis	848
Hyperandrogenemia		Inflammatory markers	
Effects of opium alkaloid, noscapine in RU486 induced experimental model of polycystic ovary syndrome	468	Carcinoembryonic antigen (CEA) and other surrogate inflammatory biomarkers in COVID-19	667

Inhibition kinetics			
Evaluation of <i>trans</i> -cinnamaldehyde as an anti-hyperglycemic compound through inhibition of α -amylase	183	<i>Kigelia africana</i> Biocatalytic and biological activities of <i>Kigelia africana</i> mediated silver monometallic and copper-silver bimetallic nanoparticles	94
Inhibition		Kinetics	
Improving the production of conjugated linoleic acid from sunflower oil by lactic acid bacteria spp: Effect of calcium carbonate supplementation in fermentation medium	741	Decolorization of anthraquinone based dye (Vat Brown R) by <i>Pseudomonas aeruginosa</i> NCH - Optimization and kinetic study	709
Inosine 5'-monophosphate dehydrogenase (IMPDH)		Kirby-Bauer method	
Cryptosporidiosis, a public health challenge: A combined 3D shape-based virtual screening, docking study, and molecular dynamics simulation approach to identify inhibitors with novel scaffolds for the treatment of cryptosporidiosis	296	Synthesis of zinc oxide nanoparticles, its characterization and anti-microbial activity assessment	1106
Insulin		Synthesis of iron nanoparticles, its characterization and anti-microbial activity assessment	1184
The interplay between oat beta glucan, gut microbiota and gut-liver axis in treatment of obesity associated non-alcoholic steatohepatitis and Type II diabetes mellitus	14	Knee joint	
Interferon-gamma induction		Prevention of progression of osteoarthritis knee. Is it possible?	343
Potential anticancer peptides design from the cysteine rich plant defensins: An <i>in silico</i> approach	900	Labdane diterpenes	
Interleukin-6		Anti-bacterial activity of neoandrographolide derivatives: <i>In silico</i> interaction with the bacterial target	157
Global research trends of interleukin-6 in SARS-CoV-2 infection	528	Laccase	
Ion exchange chromatography		A comparative study of free laccase and laccase immobilized in copper alginate	214
Biochemical characterization with kinetic studies of melanogenic enzyme tyrosinase from white button mushroom, <i>Agaricus bisporus</i>	718	Lactate dehydrogenase	
Ionic liquid		Effects of heavy metals on the viability of A549 cells	726
Green electrochemical sensors based on ionic liquid nanocomposites for detection of environmental pollutants	387	Lactic acid bacteria	
Iron Oxide nanoparticle		Improving the production of conjugated linoleic acid from sunflower oil by lactic acid bacteria spp: Effect of calcium carbonate supplementation in fermentation medium	741
Green synthesis and characterization of iron oxide nanoparticles using <i>Coriandrum sativum</i> L. leaf extract	450	Landfill leachate	
Isoniazid		Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113
Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767	Leishmaniasis	
Journals		Computational studies on new Leishmanial drug targets against Quercetin	909
Comparative study of scientific articles on MMR vaccines published from India over the last few decades	595	Leomyosarcoma	
Kidney tissue		Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552
Dose-dependent effect of <i>Scolymus hispanicus</i> L. (sevketibostan) on ethylene glycol-induced kidney stone disease in rats	7	Life-threatening bacterial infection	
Kidney		Anti pathogenic studies of new mixed ligand metal chelates	189
Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006	Lignocellulose	
		Exploring integrated methodology for phytoremediation and biofuel production potential of <i>Eichhornia crassipes</i>	368
		Linoleic acid	
		Improving the production of conjugated linoleic acid from sunflower oil by lactic acid bacteria spp: Effect of calcium carbonate supplementation in fermentation medium	741

Lipids		MC3T3 E1 cell	
The role of lipids and fatty acid metabolism in the development of prostate cancer	873	Ginseng used for bone tissue scaffold	696
Lipopeptides		Mechanical axis	
Evolution of modern age drug discovery of lipopeptides and computer-aided drug discovery in India	503	Prevention of progression of osteoarthritis knee. Is it possible?	343
Liver		Medicinal plant	
Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006	Anti-proliferating effect of <i>Ocimum sanctum</i> and <i>Centella asiatica</i> plant extract on growth of human glioblastoma cells: An <i>in vitro</i> study	956
Localisation		Memory	
Immunocytochemical evidence of histamine 1 and histamine 2 receptors on mice sperm	632	Exposure to an enriched environment promotes dendritic remodelling in hippocampal neurons affected by endogenous depression	998
L-theanine (γ -glutamylethylamide)		Menopausal Women	
The effect of L-theanine on the oxidant-antioxidant balance in serum and lung tissue in experimentally induced sepsis in rats	139	Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268
Lung diseases		Menstrual irregularity	
Investigating possible effects of aryl hydrocarbon receptor G1661A polymorphism on asthma severity in adults	311	Effects of opium alkaloid, noscapine in RU486 induced experimental model of polycystic ovary syndrome	468
Lung injury		Veritable evaluation and inspection of PCOS and its apropos medicaments	1039
The effect of L-theanine on the oxidant-antioxidant balance in serum and lung tissue in experimentally induced sepsis in rats	139	Mental hospitals	
Lysophosphatidic acid		Journey from seclusion to inclusion: Development of mental health services in India since independence	575
Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	440	Mental well-being	
Machine learning		Alleviate examination anxiety and conserve mental health of the adolescent students: The future of the nation	1081
Evaluation of predictive machine learning models for drug repurposing against delta variant of SARS-CoV-2 spike protein	879	Metabolic pathways	
Macrophage polarization		Prediction of protein-protein interaction networks and druggable genes associated with parkinson's disease	39
Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	440	Metabolic protein level	
Magnetite nanoparticles		Assessment of cranberry bush on MCF-7 human breast cancer cells	985
Effective adsorption of drug from aqueous solution using citric acid functionalized magnetite nanoparticles and their antibacterial studies	892	Metabolism	
Major depressive disorder (MDD)		The role of lipids and fatty acid metabolism in the development of prostate cancer	873
Total serum cholesterol level in patients with major depressive disorder: Simple yet undermined	836	Metabolite	
Male reproductive system		NAD ⁺ supplementation reverses the oxidative stress induced PARP1 signalling in <i>D. discoideum</i>	977
Impact of metal and metal oxide nanoparticles on the male reproductive system: A comprehensive review	1048	Metal and metal oxide nanoparticles	
Mapping		Impact of metal and metal oxide nanoparticles on the male reproductive system: A comprehensive review	1048
Global research trends of interleukin-6 in SARS-CoV-2 infection	528	Metal nanoparticles	
		Role of biologically synthesised nanoparticles in environmental pollution remediation	1148
		Methylation	
		DNA methylation is involved in the microRNA-886-3p gene expression and plays a potential role in hematopoietic stem and progenitor cell mobilization through affecting SDF-1	103

Micelle				
Effect of temperature and chain length of added primary amines on the sphere to rod transition of aqueous ionic micelles	808			
Microarray				
Prediction of protein-protein interaction networks and druggable genes associated with parkinson's disease	39			
Microbial biomass				
Assessment of soil biochemical properties and soil quality index under rainfed land use systems in submontane Punjab, India	357			
Microbial control and cell viability				
Antimicrobial and toxicity properties of crystalline potassium tetrachlorocuprate (II) dehydrate	813			
Microbial metabolites				
Evolution of modern age drug discovery of lipopeptides and computer-aided drug discovery in India	503			
Miners' health				
Pneumoconiosis: Cumulative global research output	224			
miR-886-3p				
DNA methylation is involved in the microRNA-886-3p gene expression and plays a potential role in hematopoietic stem and progenitor cell mobilization through affecting SDF-1	103			
Mitigation				
Improving the production of conjugated linoleic acid from sunflower oil by lactic acid bacteria spp: Effect of calcium carbonate supplementation in fermentation medium	741			
Mitogen-activated protein kinase				
A bioinformatic approach to establish P38 α MAPK inhibitory mechanism of selected natural products in psoriasis	165			
Mitscherlichite				
Antimicrobial and toxicity properties of crystalline potassium tetrachlorocuprate (II) dehydrate	813			
Mixed ligand complexes				
Anti pathogenic studies of new mixed ligand metal chelates	189			
MM/GBSA				
Cryptosporidiosis, a public health challenge: A combined 3D shape-based virtual screening, docking study, and molecular dynamics simulation approach to identify inhibitors with novel scaffolds for the treatment of cryptosporidiosis	296			
MMR vaccine				
Comparative study of scientific articles on MMR vaccines published from India over the last few decades	595			
Mobilization				
DNA methylation is involved in the microRNA-886-3p gene expression and plays a potential role in hematopoietic stem and progenitor cell mobilization through affecting SDF-1	103			
		Molecular breeding		
		Achievements of agricultural biotechnology: An initiative to double the farmer's income through cutting edge technology	793	
		Molecular docking		
		Synthesis, characterization, molecular docking and antibacterial activities of Bis-[(E)-3 {2-(1-4-chlorophenyl) ethylidene} hydrazinyl]-N-(4-methylphenyl)-3-oxopropanamideZinc (II) complex	50	
		Cryptosporidiosis, a public health challenge: A combined 3D shape-based virtual screening, docking study, and molecular dynamics simulation approach to identify inhibitors with novel scaffolds for the treatment of cryptosporidiosis	296	
		<i>In silico</i> -based studies on phytochemicals from native Indian plants as potential inhibitors of SARS-CoV-2	653	
		Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767	
		Evaluation of predictive machine learning models for drug repurposing against delta variant of SARS-CoV-2 spike protein	879	
		Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	
		Molecular dynamics simulations		
		Cryptosporidiosis, a public health challenge: A combined 3D shape-based virtual screening, docking study, and molecular dynamics simulation approach to identify inhibitors with novel scaffolds for the treatment of cryptosporidiosis	296	
		Molecular interactions		
		A bioinformatic approach to establish P38 α MAPK inhibitory mechanism of selected natural products in psoriasis	165	
		Molecular mechanics-generalized born surface area approach		
		Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	
		Molecular modelling		
		Anti-bacterial activity of neoandrographolide derivatives: <i>In silico</i> interaction with the bacterial target	157	
		<i>Momordica charantia</i>		
		Phytochemical evaluation and anti-psoriatic activity of the ethanolic extract of the leaves of <i>Momordica charantia</i>	751	
		Monoamine oxidase		
		Computational studies on the structural variations of MAO-A and MAO-B inhibitors - An <i>in silico</i> docking approach	276	
		Morphological Characteristics		
		Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268	

Mouse tail model		Nanocomposites	
Phytochemical evaluation and anti-psoriatic activity of the ethanolic extract of the leaves of <i>Momordica charantia</i>	751	Green electrochemical sensors based on ionic liquid nanocomposites for detection of environmental pollutants	387
Mpro		Nanoelectronics	
<i>In silico</i> -based studies on phytochemicals from native Indian plants as potential inhibitors of SARS-CoV-2	653	Engineered nanoparticles (ENPs): Unexplored potential and limitations	1163
MS medium		Nanoenergetic materials	
Modified protocol to overcome <i>in vitro</i> recalcitrance of premature micro-shoots abscission by silver supplementation in Kinnow mandarin (<i>Citrus nobilis</i> L. × <i>Citrus deliciosa</i> T.)	687	Engineered nanoparticles (ENPs): Unexplored potential and limitations	1163
MTT assay		Nano-forensic	
Cytotoxic and genotoxic assessment of wastewater on HEK293 cell line	558	Nanotechnology in Forensic Science: Extensive Applications and New Perspective	1144
Multi-drug resistance		Nanoinformatics	
Anti pathogenic studies of new mixed ligand metal chelates	189	Nanoinformatics - A newly introduced tool for research	431
Multiple sequence alignment		Nanomaterials	
Structure-function relationships among selected human coronaviruses	536	Role of nanomaterials in catalytic reduction of organic pollutants	415
Mustard		Environmental Nanotechnological Applications for Sustainable Agriculture	1056
Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320	A review on synthesis of quantum dots and their biomedical applications	1171
Mycotoxins		Nanoparticles	
Application of <i>Syzygium aromaticum</i> , <i>Ocimum sanctum</i> , and <i>Cananga odorata</i> essential oils for management of Ochratoxin A content by <i>Aspergillus ochraceus</i> and <i>Penicillium verrucosum</i> : An <i>in vitro</i> assessment in maize grains	172	Biofabricated nanoparticles: Their delivery and utility in <i>Plutella xylostella</i> management	399
Myoma		Nanotechnology in vaccine and immunology	1135
Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552	Nanotechnology in Forensic Science: Extensive Applications and New Perspective	1144
NAD ⁺ supplementation		Nanopesticides	
NAD ⁺ supplementation reverses the oxidative stress induced PARP1 signalling in <i>D. discoideum</i>	977	Biofabricated nanoparticles: Their delivery and utility in <i>Plutella xylostella</i> management	399
Nano-adjuvants		Nanopollution	
Immunomodulatory potential of nanomaterials: Interaction with the immune system	1159	Engineered nanoparticles (ENPs): Unexplored potential and limitations	1163
Nano-bio interaction		Nanosensors	
Phytonanotechnology: Recent applications and the role of Biocorona	405	Nanotechnological interventions in sustainable agriculture	1153
Nano-bioconjugation		Nanotechnology	
ZnO quantum dots a novel nanomaterial for various applications: Recent advances and challenges	1190	A review on phyto-nanotechnology for therapy of alzheimer's disease	867
Nanobioremediation		Nanotechnology in vaccine and immunology	1135
Role of biologically synthesised nanoparticles in environmental pollution remediation	1148	Nanotoxicology	
Nanobiotechnology		Nanoinformatics - A newly introduced tool for research	431
A review on synthesis of quantum dots and their biomedical applications	1171	Environmental Nanotechnological Applications for Sustainable Agriculture	1056
Nano-catalyst		Nano-vaccines	
<i>Hibiscus tiliaceus</i> mediated phytochemical reduction of zinc oxide nanoparticles and demonstration of their antibacterial, anticancer, and dye degradation capabilities	565	Immunomodulatory potential of nanomaterials: Interaction with the immune system	1159
		Natural products	
		A review on phyto-nanotechnology for therapy of alzheimer's disease	867

Necrotic cell death		Occupational health	
NAD ⁺ supplementation reverses the oxidative stress induced PARP1 signalling in <i>D. discoideum</i>	977	Pneumoconiosis: Cumulative global research output	224
Nephrolithiasis		Ochratoxin A	
Dose-dependent effect of <i>Scolymus hispanicus</i> L. (sevketibostan) on ethylene glycol-induced kidney stone disease in rats	7	Application of <i>Syzygium aromaticum</i> , <i>Ocimum sanctum</i> , and <i>Cananga odorata</i> essential oils for management of Ochratoxin A content by <i>Aspergillus ochraceus</i> and <i>Penicillium verrucosum</i> : An <i>in vitro</i> assessment in maize grains	172
Nephrotoxicity		Omics	
Relationship with nephrotoxicity of Abemaciclib in rats: Protective effect of Curcumin	963	Achievements of agricultural biotechnology: An initiative to double the farmer's income through cutting edge technology	793
Nervous system		Optimization	
DUSP6: Potential interactions with FXR1P in the nervous system	229	Computational studies on the structural variations of MAO-A and MAO-B inhibitors - An <i>in silico</i> docking approach	276
Neuro-inflammation		Decolorization of anthraquinone based dye (Vat Brown R) by <i>Pseudomonas aeruginosa</i> NCH - Optimization and kinetic study	709
Total serum cholesterol level in patients with major depressive disorder: Simple yet undermined	836	Organic carbon	
Neuronal morphology		Effect of poplar and eucalyptus based agroforestry system on soil biochemistry	126
Exposure to an enriched environment promotes dendritic remodelling in hippocampal neurons affected by endogenous depression	998	Organic pollutants	
Neurotransmitters		Role of nanomaterials in catalytic reduction of organic pollutants	415
Computational studies on the structural variations of MAO-A and MAO-B inhibitors - An <i>in silico</i> docking approach	276	Orthokeratosis	
Neurprotection		Phytochemical evaluation and anti-psoriatic activity of the ethanolic extract of the leaves of <i>Momordica charantia</i>	751
Protective effect of huperzine A on phenytoin induced cognition impairment: Behavioral and biochemical study	205	Osteoarthritis	
Nitration		Prevention of progression of osteoarthritis knee. Is it possible?	343
Biochemical and microscopy evidence on adverse effects of nitroxidized human serum albumin	23	Osteotomy	
Nitric oxide		Prevention of progression of osteoarthritis knee. Is it possible?	343
<i>In silico</i> interaction of Berberine with some immunomodulatory targets: A docking analysis	848	Oxidation	
Nodal segments		Biochemical and microscopy evidence on adverse effects of nitroxidized human serum albumin	23
Modified protocol to overcome <i>in vitro</i> recalcitrance of premature micro-shoots abscission by silver supplementation in Kinnow mandarin (<i>Citrus nobilis</i> L. × <i>Citrus deliciosa</i> T.)	687	Oxidative stress	
Nootropic		The effect of L-theanine on the oxidant-antioxidant balance in serum and lung tissue in experimentally induced sepsis in rats	139
Protective effect of huperzine A on phenytoin induced cognition impairment: Behavioral and biochemical study	205	Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006
NSAIDs		Impact of metal and metal oxide nanoparticles on the male reproductive system: A comprehensive review	1048
Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732	Oyster mushroom	
Nutridac		<i>In vitro</i> α -amylase and α -glucosidase inhibitory potential of <i>Pleurotus ostreatus</i> cv. Florida extract	1016
Design and synthesis of novel quercetin metal complexes as IL-6 inhibitors for anti-inflammatory effect in SARS-CoV-2	823	PAL	
Occupational hazards		Utilization of fungal biocontrol agents against rice sheath blight disease provides insight into their role in plant defense responses	1069
Pneumoconiosis: Cumulative global research output	224		

PB-1121			
Utilization of fungal biocontrol agents against rice sheath blight disease provides insight into their role in plant defense responses	1069	Pharmacology	
		Phytochemistry and Pharmacology of <i>Calotropis gigantea</i> — An update	611
Papain-like protease		Phospholipids	
Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	The role of lipids and fatty acid metabolism in the development of prostate cancer	873
Paraptotic cell death		Phytochemical	
NAD ⁺ supplementation reverses the oxidative stress induced PARP1 signalling in <i>D. discoideum</i>	977	Phytochemistry and Pharmacology of <i>Calotropis gigantea</i> — An update	611
Parkinson's disease		Phytohormones	
Systematic review on nine hallmarks of neurodegenerative disease	249	Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320
PARP1		Phytonanotechnology	
NAD ⁺ supplementation reverses the oxidative stress induced PARP1 signalling in <i>D. discoideum</i>	977	Phytonanotechnology: Recent applications and the role of Biocorona	405
Particulate matter		Plant defensins	
Effects of heavy metals on the viability of A549 cells	726	Potential anticancer peptides design from the cysteine rich plant defensins: An <i>in silico</i> approach	900
Pathogenic bacteria		<i>Pleurotus ostreatus</i> cv. Florida	
Anti pathogenic studies of new mixed ligand metal chelates	189	<i>In vitro</i> α -amylase and α -glucosidase inhibitory potential of <i>Pleurotus ostreatus</i> cv. Florida extract	1016
Pathological Assessments		<i>Plutella xylostella</i>	
Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268	Biofabricated nanoparticles: Their delivery and utility in <i>Plutella xylostella</i> management	399
<i>Penicillium verrucosum</i>		Pneumoconiotic lung	
Application of <i>Syzygium aromaticum</i> , <i>Ocimum sanctum</i> , and <i>Cananga odorata</i> essential oils for management of Ochratoxin A content by <i>Aspergillus ochraceus</i> and <i>Penicillium verrucosum</i> : An <i>in vitro</i> assessment in maize grains	172	Pneumoconiosis: Cumulative global research output	224
<i>Pennisetum glaucum</i> L.		Pollutants	
Roots of <i>Pennisetum</i> sp. possess the competence to generate nanoparticles of noble metals	461	Green electrochemical sensors based on ionic liquid nanocomposites for detection of environmental pollutants	387
Peptides		Polymorphism	
Potential anticancer peptides design from the cysteine rich plant defensins: An <i>in silico</i> approach	900	Investigating possible effects of aryl hydrocarbon receptor G1661A polymorphism on asthma severity in adults	311
Peroxidation		Polyol method	
The role of lipids and fatty acid metabolism in the development of prostate cancer	873	Synthesis of iron nanoparticles, its characterization and anti-microbial activity assessment	1184
Peroxiredoxin-6		Prognosis	
Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552	Biochemical relationship between leiomyosarcoma and peroxiredoxin-6 expression level: Clinical implications	552
Peroxynitrite		Prostate cancer	
Biochemical and microscopy evidence on adverse effects of nitroxidized human serum albumin	23	The role of lipids and fatty acid metabolism in the development of prostate cancer	873
pH		Protease production	
Effect of poplar and eucalyptus based agroforestry system on soil biochemistry	126	Estimation of bioactive potential of culturable bacterial endophytes from <i>Coleus</i>	331
Pharmacological inhibition		Protein aggregation	
NAD ⁺ supplementation reverses the oxidative stress induced PARP1 signalling in <i>D. discoideum</i>	977	<i>In vitro</i> stability of various enzymes by proline from H ₂ O ₂ mediated oxidative damage	111
		Protein-protein interaction	
		Identification of hub genes in airway epithelial cells of asthma patients by WGCNA and PPI network	258

Structure-function relationships among selected human coronaviruses	536	Reducing strength Roots of <i>Pennisetum</i> sp. possess the competence to generate nanoparticles of noble metals	461
Pseudo-first-order kinetics <i>Hibiscus tiliaceus</i> mediated phytochemical reduction of zinc oxide nanoparticles and demonstration of their antibacterial, anticancer, and dye degradation capabilities	565	Refolding yield Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate reductase	148
<i>Pseudomonas aeruginosa</i> NCH Decolorization of anthraquinone based dye (Vat Brown R) by <i>Pseudomonas aeruginosa</i> NCH - Optimization and kinetic study	709	Regenerative therapy Ginseng used for bone tissue scaffold	696
<i>Pseudomonas fluorescens</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197	Regeneration Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320
Psoriasis Phytochemical evaluation and anti-psoriatic activity of the ethanolic extract of the leaves of <i>Momordica charantia</i>	751	Regression model Evaluation of predictive machine learning models for drug repurposing against delta variant of SARS-CoV-2 spike protein	879
Psychiatric disorders Exposure to an enriched environment promotes dendritic remodelling in hippocampal neurons affected by endogenous depression	998	Research trend Blood diffusion to novel therapies: A quantitative analysis of scholarly output in Haemophilia from India	843
Psychological trauma Veritable evaluation and inspection of PCOS and its apropos medicaments	1039	Response surface methodology Decolorization of anthraquinone based dye (Vat Brown R) by <i>Pseudomonas aeruginosa</i> NCH - Optimization and kinetic study	709
Psychopathology Post-acute sequelae of SARS-CoV-2 Delta variant infection: A report of three cases in a single family	777	Rheumatoid arthritis Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	440
Psychotherapy Journey from seclusion to inclusion: Development of mental health services in India since independence	575	<i>Rhizobium</i> Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
PVA-AgNp composite film Fabrication of PVA-Silver nanoparticle composite film for elimination of microbial contaminant from effluent	936	<i>Rhizoctonia solani</i> Utilization of fungal biocontrol agents against rice sheath blight disease provides insight into their role in plant defense responses	1069
Pyrrole Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732	Rhizosphere Isolation and characterization of native <i>Rhizobium</i> from root nodules of raikia french bean growing area of Odisha	918
QM fragmentation scheme Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	Rice SSR marker-based DNA fingerprinting of <i>Sub1</i> introgressed lines in the background of traditional rice varieties of Assam India	350
Quantum confinement ZnO quantum dots a novel nanomaterial for various applications: Recent advances and challenges	1190	Risk assessment Nanoinformatics - A newly introduced tool for research	431
Quantum dots A review on synthesis of quantum dots and their biomedical applications	1171	RNA-directed RNA polymerase Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088
Quercetin Computational studies on new Leishmanial drug targets against Quercetin	909	Role of Indian pharmaceuticals Evolution of modern age drug discovery of lipopeptides and computer-aided drug discovery in India	503
Reactive oxygen species Impact of metal and metal oxide nanoparticles on the male reproductive system: A comprehensive review	1048		

Root system		Semi-synthetic derivative	
Roots of <i>Pennisetum</i> sp. possess the competence to generate nanoparticles of noble metals	461	Anti-bacterial activity of neoandrographolide derivatives: <i>In silico</i> interaction with the bacterial target	157
rs2066853		Sepsis	
Investigating possible effects of aryl hydrocarbon receptor G1661A polymorphism on asthma severity in adults	311	The effect of L-theanine on the oxidant-antioxidant balance in serum and lung tissue in experimentally induced sepsis in rats	139
SARS-CoV-2 main protease		Serotonin	
Computational evaluation of 2-arylbenzofurans for their potential use against SARS-CoV-2: A DFT, molecular docking, molecular dynamics simulation study	59	Total serum cholesterol level in patients with major depressive disorder: Simple yet undermined	836
SARS-CoV-2		Serum cholesterol level	
Global research trends of interleukin-6 in SARS-CoV-2 infection	528	Total serum cholesterol level in patients with major depressive disorder: Simple yet undermined	836
<i>In silico</i> -based studies on phytochemicals from native Indian plants as potential inhibitors of SARS-CoV-2	653	<i>Sesbania</i>	
Evaluation of predictive machine learning models for drug repurposing against delta variant of SARS-CoV-2 spike protein	879	Comparison of a novel combination of bio-organic fertilizers <i>vis-à-vis</i> a chemical fertilizer	197
Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	Seven human coronaviruses	
Saturated cell density		Structure-function relationships among selected human coronaviruses	536
Tumor cell and microvessel densities during the growth of a brain tumor: A theoretical study	675	Sheath blight	
Saturated tumor cell population		Utilization of fungal biocontrol agents against rice sheath blight disease provides insight into their role in plant defense responses	1069
Tumor cell and microvessel densities during the growth of a brain tumor: A theoretical study	675	Shelf life	
Schiff base ligands		Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of <i>Gladiolus</i>	486
Molecular docking and Antibacterial activities of Cobalt (II) complexes derived from precursors of Hydrazones	640	Siddha	
Scientometrics		Polycystic ovarian syndrome (PCOS): Approach to traditional systems, natural and bio-chemical compounds for its management	521
Global research trends of interleukin-6 in SARS-CoV-2 infection	528	Silver nanoparticle	
Comparative study of scientific articles on MMR vaccines published from India over the last few decades	595	Fabrication of PVA-Silver nanoparticle composite film for elimination of microbial contaminant from effluent	936
Blood diffusion to novel therapies: A quantitative analysis of scholarly output in Haemophilia from India	843	Biofabrication and optimization of silver nanoparticles using <i>Campsis</i> sp. to explore their antimicrobial properties	1176
SDS-PAGE		Silver nanoparticles (AgNPs)	
Biochemical characterization with kinetic studies of melanogenic enzyme tyrosinase from white button mushroom, <i>Agaricus bisporus</i>	718	Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of <i>Gladiolus</i>	486
Association of bull semen protein estimates and SDS-PAGE profiles on semen freezability	854	Skin disorder	
Semen		A bioinformatic approach to establish P38 α MAPK inhibitory mechanism of selected natural products in psoriasis	165
Association of bull semen protein estimates and SDS-PAGE profiles on semen freezability	854	SK-N-SH	
Semi-conductor metal oxide (SMO) sensors		DUSP6: Potential interactions with FXR1P in the nervous system	229
ZnO: SnO ₂ nanocomposite efficacy for gas sensing and microbial applications	586	Soil biochemical properties	
Semiconductor		Assessment of soil biochemical properties and soil quality index under rainfed land use systems in submontane Punjab, India	357
A review on synthesis of quantum dots and their biomedical applications	1171	Sol-gel	
		ZnO: SnO ₂ nanocomposite efficacy for gas sensing and microbial applications	586
		Solid waste	
		Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113

Spanish oyster thistle		Stress inside the tumor	
Dose-dependent effect of <i>Scolymus hispanicus</i> L. (sevketibostan) on ethylene glycol-induced kidney stone disease in rats	7	Tumor cell and microvessel densities during the growth of a brain tumor: A theoretical study	675
Spectroscopic characterization		Stress tolerance	
Molecular docking and Antibacterial activities of Cobalt (II) complexes derived from precursors of Hydrazones	640	Isolation and characterization of native <i>Rhizobium</i> from root nodules of raikia french bean growing area of Odisha	918
Spectroscopy		Substrate specificity	
<i>In vitro</i> stability of various enzymes by proline from H ₂ O ₂ mediated oxidative damage	111	Biochemical characterization with kinetic studies of melanogenic enzyme tyrosinase from white button mushroom, <i>Agaricus bisporus</i>	718
Sperm and seminal plasma proteins		Sucrose	
Association of bull semen protein estimates and SDS-PAGE profiles on semen freezability	854	Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of <i>Gladiolus</i>	486
Sperm		Sugars	
Immunocytochemical evidence of histamine 1 and histamine 2 receptors on mice sperm	632	Effect of waterlogging on physiological traits and yield in black gram (<i>Vigna mungo</i> L.) in field condition	580
Impact of metal and metal oxide nanoparticles on the male reproductive system: A comprehensive review	1048	Superparamagnetic	
Sphere-to-rod		Green synthesis and characterization of iron oxide nanoparticles using <i>Coriandrum sativum</i> L. leaf extract	450
Effect of temperature and chain length of added primary amines on the sphere to rod transition of aqueous ionic micelles	808	Surface plasmon resonance	
Spike protein		Nano-therapeutic efficacy of green synthesized gold nanoparticles (gAuNPs) and its antibacterial efficacy	455
Multi-level scoring approach to discover multi-targeting potency of medicinal plant phytochemicals against protein targets in SARS-CoV-2 and human ACE-2 receptor	1088	Surfactant	
sPLA ₂ inhibitor		Effect of temperature and chain length of added primary amines on the sphere to rod transition of aqueous ionic micelles	808
Molecular docking studies of natural and synthetic compounds against human secretory PLA ₂ in therapeutic intervention of inflammatory diseases and analysis of their pharmacokinetic properties	33	Survivin	
Spleen		Anti-proliferating effect of <i>Ocimum sanctum</i> and <i>Centella asiatica</i> plant extract on growth of human glioblastoma cells: An <i>in vitro</i> study	956
Antioxidative potential of propolis on <i>Staphylococcus aureus</i> infected BALB/c mice: A biochemical study	1006	Sustainable agriculture	
SSR		Achievements of agricultural biotechnology: An initiative to double the farmer's income through cutting edge technology	793
SSR marker-based DNA fingerprinting of <i>Sub1</i> introgressed lines in the background of traditional rice varieties of Assam India	350	Nanotechnological interventions in sustainable agriculture	1153
Stability analysis		Sustainable environment	
A comparative study of free laccase and laccase immobilized in copper alginate	214	Environmental Nanotechnological Applications for Sustainable Agriculture	1056
Storage analysis		Sustained release	
A comparative study of free laccase and laccase immobilized in copper alginate	214	Sustained release of drug loaded nanofibers for wound dressing applications	479
<i>Streptomonospora arabica</i>		Synapse	
Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived <i>Streptomonospora arabica</i> VSM-25	73	Total serum cholesterol level in patients with major depressive disorder: Simple yet undermined	836
		Test anxiety	
		Alleviate examination anxiety and conserve mental health of the adolescent students: The future of the nation	1081

Thiourea		Tromethamine	
Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767	Designing of promising Tromethamine-Diflunisal-Pyrrole combinations based on COX binding, drug-properties and safety	732
Three-dimensional structure		Tumor saturation factor	
Cloning and structural elucidation of a brassinosteroids biosynthetic gene (<i>Atdwarf4</i>) and genetic transformation of Indian mustard (<i>Brassica juncea</i> L.)	320	Tumor cell and microvessel densities during the growth of a brain tumor: A theoretical study	675
Tinnitus		Tumor-suppressor gene	
Post-acute sequelae of SARS-CoV-2 Delta variant infection: A report of three cases in a single family	777	Versatility of berberine as an effective immunomodulator and chemo sensitizer against p53 mutant cell	509
Total glomalin		U87MG	
Assessment of soil biochemical properties and soil quality index under rainfed land use systems in submontane Punjab, India	357	Anti-proliferating effect of <i>Ocimum sanctum</i> and <i>Centella asiatica</i> plant extract on growth of human glioblastoma cells: An <i>in vitro</i> study	956
Toxic protein aggregates		Unani	
Biochemical and microscopy evidence on adverse effects of nitroxidized human serum albumin	23	Polycystic ovarian syndrome (PCOS): Approach to traditional systems, natural and bio-chemical compounds for its management	521
Toxicity		Urdbean protease inhibitor	
Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113	Pyramiding and evaluation of segregating lines containing lectin and protease inhibitor genes for aphid resistance in <i>Brassica juncea</i>	800
<i>Trans</i> -cinnamaldehyde		Urea	
Evaluation of <i>trans</i> -cinnamaldehyde as an anti-hyperglycemic compound through inhibition of α -amylase	183	Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	767
Transcription factor		Uterine Cancer	
Prediction of protein-protein interaction networks and druggable genes associated with parkinson's disease	39	Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268
Transgenic breeding		UV-Visible Spectroscopy	
Pyramiding and evaluation of segregating lines containing lectin and protease inhibitor genes for aphid resistance in <i>Brassica juncea</i>	800	Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate reductase	148
Transgenics		Vaccine design	
Pyramiding and evaluation of segregating lines containing lectin and protease inhibitor genes for aphid resistance in <i>Brassica juncea</i>	800	A bioinformatic approach towards designing a human papillomavirus vaccine based on L1 capsid protein sequence of HPV45	927
Transmission Electron Microscopy		Vaccine	
Blood formed elements of the women with uterine tumors as one of the criterion for assessment of severity of the pathology	268	Nanotechnology in vaccine and immunology	1135
Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113	<i>Varicella</i>	
<i>Tridax procumbens</i>		Comparative study of scientific articles on MMR vaccines published from India over the last few decades	595
Biomimetic of hydroxyapatite with <i>Tridax procumbens</i> leaf extract and investigation of antibiofilm potential in <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	755	Varietal identification and protection	
Trimethylamine- <i>N</i> -oxide		SSR marker-based DNA fingerprinting of <i>Sub1</i> introgressed lines in the background of traditional rice varieties of Assam India	350
The interplay between oat beta glucan, gut microbiota and gut-liver axis in treatment of obesity associated non-alcoholic steatohepatitis and Type II diabetes mellitus	14		

Vat Brown R			Yield	
Decolorization of anthraquinone based dye (Vat Brown R) by <i>Pseudomonas aeruginosa</i> NCH - Optimization and kinetic study	709		Effect of waterlogging on physiological traits and yield in black gram (<i>Vigna mungo</i> L.) in field condition	580
Vectors			Yoga	
Progress and future challenges in gene vectors, gene therapy systems and gene expressions	1027		Polycystic ovarian syndrome (PCOS): Approach to traditional systems, natural and bio-chemical compounds for its management	521
<i>Vicia faba</i>			Zeta potential and ZOI (Zone of Inhibition)	
Municipal solid waste landfill leachate induced cytotoxicity in root tips of <i>Vicia faba</i> : Environmental risk posed by non-engineered landfill	1113		Biofabrication and optimization of silver nanoparticles using <i>Campsis</i> sp. to explore their antimicrobial properties	1176
Virtual Screening			Synthesis of iron nanoparticles, its characterization and anti-microbial activity assessment	1184
Cryptosporidiosis, a public health challenge: A combined 3D shape-based virtual screening, docking study, and molecular dynamics simulation approach to identify inhibitors with novel scaffolds for the treatment of cryptosporidiosis	296		Zinc (II) complex	
VOC gas sensors			Synthesis, characterization, molecular docking and antibacterial activities of Bis-[(E)-3 {2-(1-4-chlorophenyl) ethylidene} hydrazinyl]-N-(4-methylphenyl)-3-oxopropanamideZinc (II) complex	50
ZnO: SnO ₂ nanocomposite efficacy for gas sensing and microbial applications	586		Zinc oxide nanoparticles	
Wastewater treatment			<i>Hibiscus tiliaceus</i> mediated phytochemical reduction of zinc oxide nanoparticles and demonstration of their antibacterial, anticancer, and dye degradation capabilities	565
Exploring integrated methodology for phytoremediation and biofuel production potential of <i>Eichhornia crassipes</i>	368		ZnO NPs	
Role of nanomaterials in catalytic reduction of organic pollutants	415		Synthesis of zinc oxide nanoparticles, its characterization and anti-microbial activity assessment	1106
Water pollution			ZnO QDS	
Cytotoxic and genotoxic assessment of wastewater on HEK293 cell line	558		ZnO quantum dots a novel nanomaterial for various applications: Recent advances and challenges	1190
Weighted gene co-expression network analysis			α -amylase	
Identification of hub genes in airway epithelial cells of asthma patients by WGCNA and PPI network	258		Evaluation of <i>trans</i> -cinnamaldehyde as an anti-hyperglycemic compound through inhibition of α -amylase	183
Wound healing			<i>In vitro</i> α -amylase and α -glucosidase inhibitory potential of <i>Pleurotus ostreatus</i> cv. Florida extract	1016
Sustained release of drug loaded nanofibers for wound dressing applications	479		α -glucosidase	
XRD			<i>In vitro</i> α -amylase and α -glucosidase inhibitory potential of <i>Pleurotus ostreatus</i> cv. Florida extract	1016
Synthesis, characterization, molecular docking and antibacterial activities of Bis-[(E)-3 {2-(1-4-chlorophenyl) ethylidene} hydrazinyl]-N-(4-methylphenyl)-3-oxopropanamideZinc (II) complex	50		β -adrenergic agonist	
Antimicrobial and toxicity properties of crystalline potassium tetrachlorocuprate (II) dehydrate	813		DNA methylation is involved in the microRNA-886-3p gene expression and plays a potential role in hematopoietic stem and progenitor cell mobilization through affecting SDF-1	103