

CENTRE FOR PLANT MOLECULAR BIOLOGY, OSMANIA UNIVERSITY

PEER-REVIEWED RESEARCH PUBLICATIONS

1.	Ravula S, Akula S, Kancha RK. "Natural and synthetic inhibitors of heat shock protein 90 chaperone in cancer treatment". Indian Journal of Pharmaceutical Education and Research 58 (2)(2024): 1-10.
2.	Gayatri MB, Kancha RK, Behera A, Patchva D, Velugonda N, Gundeti S, Reddy AB. "AMPK-induced novel phosphorylation of RUNX1 inhibits STAT3 activation and overcome imatinib resistance in chronic myelogenous leukemia (CML) subjects". Cell Death Discovery 9(1) (2023):401.
3.	Gayatri MB, Kancha RK, Patchva D, Velugonda N, Gundeti S, Reddy AB. "Metformin exerts antileukemic effects by modulating lactate metabolism and overcomes imatinib resistance in chronic myeloid leukemia". The FEBS Journal(2023).
4.	Akula S, Mullaguri SC, Melton NM, Katta A, Naga VS, Kandula S, Pedada RK, Subramanian J, Kancha RK. "Large-scale pathogenicity prediction analysis of cancer-associated kinase mutations reveals variability in sensitivity and specificity of computational methods". Cancer Medicine 12(16) (2023):17468-74.
5.	Korikani M, Fathima N, Nadiminti G, Akula S, Kancha RK. "Applications of promiscuity of FDA-approved kinase inhibitors in drug repositioning and toxicity". Toxicology and Applied Pharmacology. 465 (2023):116469.
6.	Kujtan, Lara, Kancha RK, Beth Gustafson, Lindsey Douglass, Christopher RH Ward, Blake Buzard, and Janakiraman Subramanian. "Squamous cell carcinoma of the lung: improving the detection and management of immune-related adverse events." Expert Review of Anticancer Therapy 22, no. 2 (2022): 203-213.
7.	Mullaguri, Sai Charitha, Sravani Akula, Partha Sarathi Sahoo, Vigneshwar Reddy Ashireddygari, Vyshnavika Mupparapu, Ravalika Silveri, V. L. S. Prasad Burra, and Kancha RK. "Molecular docking analysis reveals differential binding affinities of multiple classes of selective inhibitors towards cancer-associated KRAS mutants." 3 Biotech 12, no. 12 (2022): 1-8.
8.	Arolla, Rajender Goud, Pavan Kumar Pallerla, Neeraja Cherukupalli, Kancha RK, Prabhakar Sripadi, Akella VS Sarma, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "Identification of ergosterol peroxide in the endophytic fungus Pestalotiopsis microspora and evaluation of its efficacy in overcoming cancer drug resistance." SYDOWIA 74 (2022): 327-334.
9.	Mullaguri, Sai Charitha, Sravani Akula, Vigneshwar Reddy Ashireddygari, Partha Sarathi Sahoo, VLS Prasad Burra, Ravalika Silveri, Vyshnavika Mupparapu, Meghana Korikani, Amanchi Nageswara Rao, Janakiraman Subramanian, Kancha RK. "Estimated sensitivity profiles of lung cancer specific uncommon BRAF mutants towards experimental and clinically approved kinase inhibitors." Toxicology and Applied Pharmacology 453 (2022): 116213.
10.	Raja, Kota Vamsee, Kalva Madhana Sekhar, Vudem Dashavantha Reddy, Attipalli

	Ramachandra Reddy, and Khareedu Venkateswara Rao. "Transcriptional Activation of Glutamate Decarboxylase and F-Box DUF Protein-Encoding Genes Promote Enhanced Abiotic Stress Tolerance and Improved Agronomic Traits in Indica Rice." <i>Journal of Plant Growth Regulation</i> (2022): 1-14.
11.	Khurana, Ridhi, Sanchi Bhimrajka, Gundra Sivakrishna Rao, Vibha Verma, Neelima Boora, Gautam Gawande, Meenu Kapoor, Khareedu Venkateswara Rao, and Sanjay Kapoor. "Characterization of Transcription Regulatory Domains of OsMADS29: Identification of Proximal Auxin-Responsive Domains and a Strong Distal Negative Element." <i>Frontiers in Plant Science</i> 13 (2022).
12.	Kulkarni, Swapnil Ravindra, S. M. Balachandran, R. A. Fiyaz, Divya Balakrishnan, K. Sruthi, K. Ulaganathan, A. S. Hari Prasad, and R. M. Sundaram. "Assessment of heterotic potential and combining ability of novel iso-cytoplasmic restorer lines derived from an elite rice hybrid, KRH-2, for the development of superior rice hybrids." <i>Euphytica</i> 218, no. 5 (2022): 1-24.
13.	Goud, Burragoni Sravanthi, Jae Hong Kim, and Kandasamy Ulaganathan. "Identification of Genes Associated with Stress Tolerance of High Ethanol-Producing <i>Saccharomyces cerevisiae</i> Strain, NCIM3186, by Differential Gene Expression Analysis." <i>BioEnergy Research</i> (2022): 1-13.
14.	Bhanu, B. Divya, Anjani Alluri, Arun K. Shanker, and Kandasamy Ulaganathan. "DNA methylation in plants and its role in abiotic stress tolerance." <i>Climate Change and Crop Stress</i> (2022): 539-564.
15.	Roy, Sharmila, Pragya Mittal, Lavanya Tayi, Sahitya Bondada, Malay K. Ray, Hitendra K. Patel, and Ramesh V. Sonti. "Xanthomonas oryzae pv. oryzae Exoribonuclease R Is Required for Complete Virulence in Rice, Optimal Motility, and Growth Under Stress." <i>Phytopathology</i> ® 112, no. 3 (2022): 501-510.
16.	Srinath, Mote, Aayeti Shailaja, Byreddi Bhavani Venkata Bindu, and Charu Chandra Giri. "Comparative analysis of biomass, ethrel elicitation, light induced differential MVA/MEP pathway gene expression and andrographolide production in adventitious root cultures of <i>Andrographis paniculata</i> (Burm. F.) Nees." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 149, no. 1 (2022): 335-349.
17.	Kumar, G. Vijay, and Srinivas Naik G. Kumara Joshi. "VARIABILITY IN THE TOLERANCE TO MUNGBEAN YELLOW MOSAIC VIRUS UNDER HIGH TEMPERATURE IN BLACK GRAM GENOTYPES." <i>International Journal of current Science</i> . volume 12, Issue 1, (2022): 72-78
18.	Anoor, Pawan Kumar, A. Nichita Yadav, Karthik Rajkumar, Ramesh Kande, Chaturvedula Tripura, K. Srinivas Naik, and Sandepta Burgula. "Methanol extraction revealed anticancer compounds Quinic Acid, 2 (5H)-Furanone and Phytol in <i>Andrographis paniculata</i> ." <i>Molecular and clinical oncology</i> 17, no. 5 (2022): 1-13.
19.	Raja, Kota Vamsee, Kalva Madhana Sekhar, Vudem Dashavantha Reddy, Attipalli Ramachandra Reddy, and Khareedu Venkateswara Rao. "Activation of CDC48 and acetyltransferase encoding genes contributes to enhanced abiotic stress tolerance and improved productivity traits in rice." <i>Plant Physiology and Biochemistry</i> 168 (2021): 329-339.
20.	Sekhar, Kalva Madhana, Vamsee Raja Kota, T. Papi Reddy, K. V. Rao, and Attipalli Ramachandra Reddy. "Amelioration of plant responses to drought under elevated CO2 by rejuvenating photosynthesis and nitrogen use efficiency: implications for future climate-

	resilient crops." <i>Photosynthesis Research</i> 150, no. 1 (2021): 21-40.
21.	Kulkarni, Swapnil Ravindra, S. M. Balachandran, K. Ulaganathan, Divya Balakrishnan, A. S. Prasad, G. Rekha, M. B. V. N. Kousik et al. "Mapping novel QTLs for yield related traits from a popular rice hybrid KRH-2 derived doubled haploid (DH) population." <i>3 Biotech</i> 11, no. 12 (2021): 1-20.
22.	Dasgupta, Modhumita Ghosh, A. Muneera Parveen, D. Rajasugunasekar, and Kandasamy Ulaganathan. "Wood transcriptome analysis and expression variation of lignin biosynthetic pathway transcripts in <i>Ailanthus excelsa</i> Roxb., a multi-purpose tropical tree species." <i>Journal of Biosciences</i> 46, no. 4 (2021): 1-15.
23.	Senthilkumar, Shanmugavel, Kandasamy Ulaganathan, and Modhumita Ghosh Dasgupta. "Reference-based assembly of chloroplast genome from leaf transcriptome data of <i>Pterocarpus santalinus</i> ." <i>3 Biotech</i> 11, no. 8 (2021): 1-12.
24.	Mokenapelli, Sudhakar, Madhu Gutam, Naveen Vadiyaala, Jayaprakash Rao Yerrabelli, Somesh Banerjee, Partha Roy, Kancha RK, Bharathi Reddy Kunduru, Someswar Rao Sagurthi, and Prasad Rao Chitneni. "Synthesis and cytotoxicity of novel 14 α -O-(1, 4-disubstituted-1, 2, 3-triazolyl) ester derivatives of andrographolide." <i>Natural product research</i> 35, no. 2 (2021): 289-297.
25.	Ravula, Shrvanathi, Sai Charitha Mullaguri, Sravani Akula, R. Silveri, and Kancha RK. "Insights into molecular mechanisms underlying COVID-19 pathogenesis and potential therapeutics." <i>Indian Journal of Pharmaceutical Sciences</i> 83, no. 5 (2021): 871-885.
26.	Srinath, Mote, Aayeti Shailaja, Byreddi Bhavani Venkata Bindu, and Charu Chandra Giri. "Molecular cloning and differential gene expression analysis of 1-deoxy-D-xylulose 5-phosphate synthase (DXS) in <i>Andrographis paniculata</i> (Burm. f) Nees." <i>Molecular biotechnology</i> 63, no. 2 (2021): 109-124.
27.	Shailaja, Aayeti, Mote Srinath, Byreddi Venkata Bhavani Bindu, and Charu Chandra Giri. "Isolation of 4-hydroxy 3-methyl 2-butenyl 4-diphosphate reductase (ApHDR) gene of methyl erythritol diphosphate (MEP) pathway, in silico analysis and differential tissue specific ApHDR expression in <i>Andrographis paniculata</i> (Burm. f) Nees." <i>Physiology and Molecular Biology of Plants</i> 27, no. 2 (2021): 223-235.
28.	Keshav, Praveen Kumar, Chandrashekhara Banoth, Srinivas Naik Kethavath, and Bhima Bhukya. "Lignocellulosic ethanol production from cotton stalk: an overview on pretreatment, saccharification and fermentation methods for improved bioconversion process." <i>Biomass Conversion and Biorefinery</i> (2021): 1-17.
29.	Raut, Ganesh Kumar, Sairam Manchineela, Moumita Chakrabarti, Chaitanya Kumar Bhukya, Raju Naini, A. Venkateshwari, V. D. Reddy et al. "Imine stilbene analog ameliorate isoproterenol-induced cardiac hypertrophy and hydrogen peroxide-induced apoptosis." <i>Free Radical Biology and Medicine</i> 153 (2020): 80-88.
30.	Kota, Vamsee Raja, Sivakrishna Rao Gundra, Dashavantha Reddy Vudem, Bharadwaja Kirti Pulugurtha, and Venkateswara Rao Khareedu. "Development of a large population of activation-tagged mutants in an elite indica rice variety." <i>Plant Breeding</i> 139, no. 2 (2020): 328-343.
31.	Dasgupta, Modhumita Ghosh, Sravanthi Burragoni, Sivanantham Amrutha, Muthusamy

	Muthupandi, Abdul Bari Muneera Parveen, Veerasamy Sivakumar, and Kandasamy Ulaganathan. "Diversity of bacterial endophyte in Eucalyptus clones and their implications in water stress tolerance." <i>Microbiological research</i> 241 (2020): 126579.
32.	Bhanu, Bhupathipalli Divya, Kandasamy Ulaganathan, and Arun K. Shanker. "Water Stress Responsive Differential Methylation of Organellar Genomes of Zea mays Z59." <i>American Journal of Plant Sciences</i> 11, no. 07 (2020): 1077.
33.	Kulkarni, Swapnil Ravindra, S. M. Balachandran, K. Ulaganathan, Divya Balakrishnan, M. Praveen, A. S. Prasad, R. A. Fiyaz et al. "Molecular mapping of QTLs for yield related traits in recombinant inbred line (RIL) population derived from the popular rice hybrid KRH-2 and their validation through SNP genotyping." <i>Scientific reports</i> 10, no. 1 (2020): 1-21.
34.	Srinath, Mote, Byreddi Bhavani Venkata Bindu, Ayeti Shailaja, and Charu Chandra Giri. "Isolation, characterization and in silico analysis of 3-Hydroxy-3-methylglutaryl-coenzyme A reductase (HMGR) gene from <i>Andrographis paniculata</i> (Burm. f) Nees." <i>Molecular Biology Reports</i> 47, no. 1 (2020): 639-654.
35.	Bindu, B. B. V., Mote Srinath, Aayeti Shailaja, and Charu Chandra Giri. "Proteome analysis and differential expression by JA driven elicitation in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees using Q-TOF-LC-MS/MS." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 140, no. 3 (2020): 489-504.
36.	Shailaja, Aayeti, B. B. V. Bindu, M. Srinath, and Charu Chandra Giri. "Innovative technique for rapid in vitro multiplication of rootless shoots in <i>Andrographis paniculata</i> (Burm. f) Nees: A plant with immense pharmaceutical value." <i>Ann Phytomed</i> 9, no. 1 (2020): 98-106.
37.	Banoth, Chandrasekhar, Srinivas Naik Kethavath, Praveen Kumar Keshav, and Bhima Bhukya. "Selection of stress tolerant <i>Saccharomyces cerevisiae</i> strains isolated from sloughing off soil for bioethanol production using <i>Prosopis juliflora</i> ." <i>Research Journal of Biotechnology</i> 15, no. 1 (2020): 1-13.
38.	Subramanian, Janakiraman, Archana Katta, Ashiq Masood, Dashavantha Reddy Vudem, and Kancha RK. "Emergence of ERBB2 mutation as a biomarker and an actionable target in solid cancers." <i>The Oncologist</i> 24, no. 12 (2019): e1303-e1314.
39.	Naini, Raju, P. Pavankumar, S. Prabhakar, Rama Krishna Kancha, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Evolvement of nutraceutical onion plants engineered for resveratrol biosynthetic pathway." <i>Plant Cell Reports</i> 38, no. 9 (2019): 1127-1137.
40.	Naini, Raju, Rajasekhar Chikati, Dashavantha Reddy Vudem, and Kancha RK. "Molecular docking analysis of imine stilbene analogs and evaluation of their anti-aging activity using yeast and mammalian cell models." <i>Journal of Receptors and Signal Transduction</i> 39, no. 1 (2019): 55-59.
41.	Nidumukkala, Sridevi, Lavanya Tayi, Rajani Kant Chittela, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "DEAD box helicases as promising molecular tools for engineering abiotic stress tolerance in plants." <i>Critical reviews in biotechnology</i> 39, no. 3 (2019): 395-407.
42.	Akula, Sravani, Venkata Krishna Vanamamalai, Vishnu Prasad Nair RU, Dashavantha Reddy Vudem, and Kancha RK. "Elucidation of conformational diversity of druggable enzymes and classification of chemical modulators based on inhibitor-bound structures." <i>Journal of</i>

	Biomolecular Structure and Dynamics 37, no. 17 (2019): 4563-4568.
43.	Chermala, Dedeepya, Sravani Akula, Shravanthi Ravula, Dashavantha R. Vudem, and Kancha RK. "Consensus anticancer activity profiles derived from the meta-analysis of reference compounds for widely used cell lines." <i>Future Medicinal Chemistry</i> 11, no. 1 (2019): 33-42.
44.	Dasgupta, Modhumita Ghosh, Kandasamy Ulaganathan, Suma Arun Dev, and Swathi Balakrishnan. "Draft genome of <i>Santalum album</i> L. provides genomic resources for accelerated trait improvement." <i>Tree Genetics & Genomes</i> 15, no. 3 (2019): 1-15.
45.	Divya Bhanu, B., Kandasamy Ulaganathan, and Arun K. Shanker. "Seasonal variation in expression pattern of genes in irrigated and water stressed transcriptomes of <i>Zea mays</i> Z59." <i>Journal of Plant Biochemistry and Biotechnology</i> 28, no. 3 (2019): 271-279.
46.	Masood, Ashiq, Kancha RK, and Janakiraman Subramanian. "Epidermal growth factor receptor (EGFR) tyrosine kinase inhibitors in non-small cell lung cancer harboring uncommon EGFR mutations: focus on afatinib." In <i>Seminars in oncology</i> , vol. 46, no. 3, pp (2019). 271-283.
47.	Boddupally, Dayakar, Srinath Tamirisa, Sivakrishna Rao Gundra, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Expression of hybrid fusion protein (Cry1Ac:: ASAL) in transgenic rice plants imparts resistance against multiple insect pests." <i>Scientific reports</i> 8, no. 1 (2018): 1-10.
48.	Akula, Sravani, Swapna Kamasani, Sree Kanth Sivan, Vijjulatha Manga, Dashavantha Reddy Vudem, and Kancha RK. "Computational analysis of epidermal growth factor receptor mutations predicts differential drug sensitivity profiles toward kinase inhibitors." <i>Journal of Thoracic Oncology</i> 13, no. 5 (2018): 721-726.
49.	Rao, Gundra Sivakrishna, Priyanka Deveshwar, Malini Sharma, Sanjay Kapoor, and Khareedu Venkateswara Rao. "Evolvement of transgenic male-sterility and fertility-restoration system in rice for production of hybrid varieties." <i>Plant molecular biology</i> 96, no. 1 (2018): 35-51.
50.	Kaushal, Lovelin, K. Ulaganathan, Vinay Shenoy, and S. M. Balachandran. "Geno-and phenotyping of submergence tolerance and elongated uppermost internode traits in doubled haploids of rice." <i>Euphytica</i> 214, no. 12 (2018): 1-16.
51.	Priyadarshi, Rahul, Hari PS Arremsetty, Akhilesh K. Singh, Durga Khandekar, Kandasamy Ulaganathan, Vinay Shenoy, Pallavi Sinha, and Vikas K. Singh. "Marker-Assisted Improvement of the Elite Maintainer Line of Rice, IR 58025B for Wide Compatibility (S5 n) Gene." <i>Frontiers in plant science</i> 9 (2018): 1051.
52.	Sujatha, Mulpuri, Kandasamy Ulaganathan, Bhupatipalli Divya Bhanu, and Prashant Kumar Soni. "RNA-seq data of control and powdery mildew pathogen (<i>Golovinomyces orontii</i>) treated transcriptomes of <i>Helianthus niveus</i> ." <i>Data in brief</i> 17 (2018): 210-217.
53.	Kumar, K. Shiva, N. Praveen Kumar, Bandari Rajesham, Gugulothu Kishan, Sravani Akula, and Kancha RK. "Silver-catalyzed synthesis of pyrrolo piperazine fused with oxazine/imidazole via a domino approach: evaluation of anti-cancer activity." <i>New Journal of Chemistry</i> 42, no. 1 (2018): 34-38.
54.	Shailaja, Aayeti, B. B. Bindu, Mote Srinath, and Charu Chandra Giri. "In silico structural and functional analysis of copalyl diphosphate synthase enzyme in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees: a plant of immense pharmaceutical value." <i>Ann Phytomed Int J</i> 7

	(2018): 69-77.
55.	Shailaja, Aayeti, B. B. Bindu, Mote Srinath, and Charu Chandra Giri. "In silico structural and functional analysis of copalyl diphosphate synthase enzyme in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees: a plant of immense pharmaceutical value." <i>Ann Phytomed Int J</i> 7 (2018): 69-77.
56.	Tayi, Lavanya, Sushil Kumar, Rajkanwar Nathawat, Asfarul S. Haque, Roshan V. Maku, Hitendra Kumar Patel, Rajan Sankaranarayanan, and Ramesh V. Sonti. "A mutation in an exoglucanase of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , which confers an endo mode of activity, affects bacterial virulence, but not the induction of immune responses, in rice." <i>Molecular plant pathology</i> 19, no. 6 (2018): 1364-1376.
57.	Urla, Rajasekhar, P. Pavan Kumar, Prabhakar Sripadi, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "Cloning of fatty acid desaturase-coding sequence (Lufad3) from flax and its functional validation in rice." <i>Plant Biotechnology Reports</i> 11, no. 5 (2017): 259-270.
58.	Naini, Raju, Eslavath Ravikumar, Surya S. Singh, Rama K. Kancha, Khareedu V. Rao, and Vudem D. Reddy. "Synthesis of novel imine stilbene analogs exhibiting potent anticancer activity." <i>Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)</i> 17, no. 11 (2017): 1537-1544.
59.	Cherukupalli, Neeraja, Sudarshana Reddy Bhumireddy, Subrahmanya Sarma V. Akella, Aaysha Sataniya, Prabhakar Sripadi, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "Phytochemical profiling and in vitro anticancer activity of purified flavonoids of <i>andrographis glandulosa</i> ." <i>Planta Medica International Open</i> 4, no. 01 (2017): e24-e34.
60.	Sunitha, Mellacheruvu, Tamirisa Srinath, Vudem Dashavantha Reddy, and Khareedu Venkateswara Rao. "Expression of cold and drought regulatory protein (CcCDR) of pigeonpea imparts enhanced tolerance to major abiotic stresses in transgenic rice plants." <i>Planta</i> 245, no. 6 (2017): 1137-1148.
61.	Kamasani, Swapna, Sravani Akula, Sree Kanth Sivan, Vijjulatha Manga, Justus Duyster, Dashavantha Reddy Vudem, and Kancha RK. "Computational analysis of ABL kinase mutations allows predicting drug sensitivity against selective kinase inhibitors." <i>Tumor Biology</i> 39, no. 5 (2017): 1010428317701643.
62.	Tamirisa, Srinath, Dashavantha R. Vudem, and Venkateswara R. Khareedu. "A cyclin dependent kinase regulatory subunit (CKS) gene of pigeonpea imparts abiotic stress tolerance and regulates plant growth and development in <i>Arabidopsis</i> ." <i>Frontiers in plant science</i> 8 (2017): 165.
63.	Srinath, T., V. D. Reddy, and K. V. Rao. "Isolation and functional characterization of a novel stress inducible promoter from pigeonpea (<i>Cajanus cajan</i> L)." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 128, no. 2 (2017): 457-468.
64.	Rao, Gundra Sivakrishna, Akhilesh Kumar Tyagi, and Khareedu Venkateswara Rao. "Development of an inducible male-sterility system in rice through pollen-specific expression of I-ornithinase (<i>argE</i>) gene of <i>E. coli</i> ." <i>Plant Science</i> 256 (2017): 139-147.
65.	Ulaganathan, Kandasamy, Sravanthi Goud, Madhavi Reddy, and Ulaganathan Kayalvili. "Genome engineering for breaking barriers in lignocellulosic bioethanol production."

	Renewable and Sustainable Energy Reviews 74 (2017): 1080-1107.
66.	Battu, Latha, Mettu Madhavi Reddy, Burragoni Sravanthi Goud, Kayalvili Ulaganathan, and Ulaganathan Kandasamy. "Genome inside genome: NGS based identification and assembly of endophytic <i>Sphingopyxis granuli</i> and <i>Pseudomonas aeruginosa</i> genomes from rice genomic reads." <i>Genomics</i> 109, no. 3-4 (2017): 141-146.
67.	Battu, Latha, Mettu Madhavi Reddy, Burragoni Sravanthi Goud, Kayalvili Ulaganathan, and Kandasamy Ulaganathan. "Assembly of genomic reads of elite indica rice cultivar onto 2101 reference bacterial genomes for identification of co-sequenced endophytic bacteria." <i>Data in brief</i> 12 (2017): 305-312.
68.	Priyadarshi, Rahul, Hari Prasad Subramanyam Arremsetty, Akhilesh Kumar Singh, Durga Khandekar, Kandasamy Ulaganathan, and Vinay Shenoy. "Molecular stacking of wide compatibility gene, <i>S5 n</i> and elongated uppermost internode (<i>eui</i>) gene into IR 58025B, an elite maintainer line of rice." <i>Journal of Plant Biochemistry and Biotechnology</i> 26, no. 4 (2017): 425-435.
69.	Janga, Madhusudhana Reddy, M. A. Raoof, and K. Ulaganathan. "Effective biocontrol of <i>Fusarium</i> wilt in castor (<i>Ricinus communis</i> L.) with <i>Bacillus</i> sp. in pot experiments." <i>Rhizosphere</i> 3 (2017): 50-52.
70.	Kumar, K. Shiva, Meesa Siddi Ramulu, Bandari Rajesham, N. Praveen Kumar, Vani Voora, and Kancha RK. "FeCl ₃ catalysed 7-membered ring formation in a single pot: a new route to indole-fused oxepines/azepines and their cytotoxic activity." <i>Organic & Biomolecular Chemistry</i> 15, no. 20 (2017): 4468-4476.
71.	Burra, Srinivas, Vani Voora, Ch Prasad Rao, P. Vijay Kumar, Kancha RK, and GL David Krupadanam. "Synthesis of novel forskolin isoxazole derivatives with potent anti-cancer activity against breast cancer cell lines." <i>Bioorganic & Medicinal Chemistry Letters</i> 27, no. 18 (2017): 4314-4318.
72.	Srinath, Mote, Aayeti Shailaja, B. Bhavani, V. Bindu, and C. C. Giri. "Characterization of 1-deoxy-D-xylulose 5-phosphate synthase (DXS) protein in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex. Nees: A in silico appraisal." <i>Annals of Phytomedicine: An International Journal</i> 6 (2017): 63-73.
73.	Bindu, BB Venkata, Mote Srinath, Aayeti Shailaja, and Charu Chandra Giri. "Comparative protein profile studies and in silico structural/functional analysis of HMGR (ApHMGR) in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees." <i>Ann Phytomed</i> 6, no. 1 (2017): 30-44.
74.	Zaheer, Mohd, and Charu Chandra Giri. "Influence of cotyledon, hypocotyl extracts and authentic andrographolide on selective <i>Agrobacterium rhizogenes</i> strains growth: A deterrent to hairy root induction in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees." <i>Ann. Phytomed</i> 6, no. 1 (2017): 51-56.
75.	Zaheer, Mohd, and Charu Chandra Giri. "Enhanced diterpene lactone (andrographolide) production from elicited adventitious root cultures of <i>Andrographis paniculata</i> ." <i>Research on Chemical Intermediates</i> 43, no. 4 (2017): 2433-2444.
76.	Srinath, Mote, Aayeti Shailaja, B. Bhavani, V. Bindu, and C. C. Giri. "Characterization of 1-deoxy-D-xylulose 5-phosphate synthase (DXS) protein in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex. Nees: A in silico appraisal." <i>Annals of Phytomedicine: An International Journal</i> 6

	(2017): 63-73.
77.	Bindu, BB Venkata, Mote Srinath, Aayeti Shailaja, and Charu Chandra Giri. "Comparative protein profile studies and in silico structural/functional analysis of HMGR (ApHMGR) in <i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees." <i>Ann Phytomed</i> 6, no. 1 (2017): 30-44.
78.	Kethavath, Srinivas Naik, and Swathi Bai Moodavath. "Over-Expression of Arabidopsis Phytochelatin Synthase (AtPCS1) Gene In <i>Escherichia Coli</i> Confers Enhanced Tolerance To Cadmium." <i>International Journal of Agricultural Science and Research (IJASR)</i> Vol. 7, Issue 4, (2017), 269-276
79.	Cherukupalli, Neeraja, Mayur Divate, Suresh R. Mittapelli, Venkateswara R. Khareedu, and Dashavantha R. Vudem. "De novo assembly of leaf transcriptome in the medicinal plant <i>Andrographis paniculata</i> ." <i>Frontiers in plant science</i> 7 (2016): 1203.
80.	Mellacheruvu, Sunitha, Srinath Tamirisa, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Pigeonpea hybrid-proline-rich protein (CcHyPRP) confers biotic and abiotic stress tolerance in transgenic rice." <i>Frontiers in Plant Science</i> 6 (2016): 1167.
81.	Parlapally, Sunitha, Neeraja Cherukupalli, Sudarshana Reddy Bhumireddy, Prabhakar Sripadi, Ravindernath Aniseti, Charu Chandra Giri, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "Chemical profiling and anti-psoriatic activity of methanolic extract of <i>Andrographis nallamalayana</i> J.L. Ellis." <i>Natural Product Research</i> 30, no. 11 (2016): 1256-1261.
82.	Moin, Mazahar, Achala Bakshi, Anusree Saha, M. Udaya Kumar, Attipalli R. Reddy, K. V. Rao, E. A. Siddiq, and P. B. Kirti. "Activation tagging in indica rice identifies ribosomal proteins as potential targets for manipulation of water-use efficiency and abiotic stress tolerance in plants." <i>Plant, cell & environment</i> 39, no. 11 (2016): 2440-2459.
83.	Zaheer, Mohd, Vudem Dashavantha Reddy, and Charu Chandra Giri. "Enhanced daidzin production from jasmonic and acetyl salicylic acid elicited hairy root cultures of <i>Psoralea corylifolia</i> L. (Fabaceae)." <i>Natural product research</i> 30, no. 13 (2016): 1542-1547.
84.	Rai, Archana N., Srinath Tamirisa, K. V. Rao, Vinay Kumar, and P. Suprasanna. "RETRACTED ARTICLE: brassica RNA binding protein ERD4 is involved in conferring salt, drought tolerance and enhancing plant growth in <i>Arabidopsis</i> ." <i>Plant molecular biology</i> 90, no. 4 (2016): 375-387.
85.	Balsingh, Jatoth, Surabhi Radhakrishna, and Kandasamy Ulaganathan. "Draft Genome Sequence of <i>Bacillus pumilus</i> ku-bf1 Isolated from the Gut Contents of Wood Boring <i>Mesomorphus</i> sp." <i>Frontiers in Microbiology</i> 7 (2016): 1037.
86.	Divya Bhanu, B., Kandasamy Ulaganathan, Arun K. Shanker, and S. Desai. "RNA-seq analysis of irrigated vs. water stressed transcriptomes of <i>Zea mays</i> cultivar Z59." <i>Frontiers in Plant Science</i> 7 (2016): 239.
87.	Giri, Charu Chandra, and Mohd Zaheer. "Chemical elicitors versus secondary metabolite production in vitro using plant cell, tissue and organ cultures: recent trends and a sky eye view appraisal." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 126, no. 1 (2016): 1-18.
88.	Arolla, Rajender Goud, Neeraja Cherukupalli, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "DNA barcoding and haplotyping in different species of <i>Andrographis</i> ." <i>Biochemical Systematics and Ecology</i> 62 (2015): 91-97.

89.	Neeraja, C., P. Hari Krishna, C. Sudhakar Reddy, C. C. Giri, K. V. Rao, and V. D. Reddy. "Distribution of <i>Andrographis</i> species in different districts of Andhra Pradesh." <i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 85, no. 2 (2015): 601-606.
90.	Shailendar Kumar, M., S. Srikan Chakravarthy, P. R. Babu, K. V. Rao, and V. D. Reddy. "Classification of cytochrome P450s in common bean (<i>Phaseolus vulgaris</i> L.)." <i>Plant systematics and evolution</i> 301, no. 1 (2015): 211-216.
91.	Reddy, Mettu M., and Kandasamy Ulaganathan. "Draft genome sequence of <i>Oryza sativa</i> elite indica cultivar RP Bio-226." <i>Frontiers in plant science</i> 6 (2015): 896.
92.	Reddy, Mettu Madhavi, and Kandasamy Ulaganathan. "Nitrogen nutrition, its regulation and biotechnological approaches to improve crop productivity." <i>American Journal of Plant Sciences</i> 6, no. 18 (2015): 2745.
93.	Reddy, Mettu Madhavi, and Kandasamy Ulaganathan. "RNA-Seq analysis of urea nutrition responsive transcriptome of <i>Oryza sativa</i> elite indica cultivar RP Bio 226." <i>Genomics Data</i> 6 (2015): 112-113.
94.	Sravanthi Goud, Burragoni, and Kandasamy Ulaganathan. "Draft genome sequence of <i>Saccharomyces cerevisiae</i> strain NCIM3186 used in the production of bioethanol from sweet sorghum." <i>Genome Announcements</i> 3, no. 4 (2015): e00813-15.
95.	Ulaganathan, Kandasamy, Burragoni Sravanthi Goud, Mettu Madhavi Reddy, Vanaparathi Praveen Kumar, Surabhi Radhakrishna, and Jatoth Balsingh. "Genome sequence of <i>Saccharomyces cerevisiae</i> NCIM3107, used in bioethanol production." <i>Genome Announcements</i> 3, no. 1 (2015): e01557-14.
96.	Ulaganathan, Kandasamy, Burragoni S Goud, Mettu M Reddy, Vanaparathi P Kumar, Jatoth Balsingh, and Surabhi Radhakrishna. "Proteins for breaking barriers in lignocellulosic bioethanol production." <i>Current Protein and Peptide Science</i> 16, no. 2 (2015): 100-134.
97.	Kaushal, Lovelin, S. M. Balachandran, K. Ulaganathan, Akhilesh Kumar Singh, Rahul Priyadarshi, and Vinay Shenoy. "Auxin to improve green plant regeneration of rice anther culture." <i>International Journal of Agriculture and Crop Sciences</i> 8, no. 1 (2015): 15.
98.	Kaushal, Lovelin S. M. Balachandran, K. Ulaganathan, and V. I. N. A. Y. Shenoy. "Assessment of first generation androgenic rice lines for true doubled haploids." <i>Int J Agric Sci Res</i> 5, no. 2 (2015): 41-54.
99.	Khera, Pawan, Akhilesh Kumar Singh, Rahul Priyadarshi, Durga Khandekar, Rajani K. Allu, Chitkale Hiremath, Raj Kumar, Rashmi Mohan, K. Ulaganathan, and Vinay Shenoy. "Genetic variability in trait-specific rice germplasm groups based on coefficient of parentage, SSR markers and fertility restoration." <i>Plant Genetic Resources</i> 13, no. 1 (2015): 56-67.
100.	Zaheer, Mohd, and Charu Chandra Giri. "Multiple shoot induction and jasmonic versus salicylic acid driven elicitation for enhanced andrographolide production in <i>Andrographis paniculata</i> ." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 122, no. 3 (2015): 553-563.
101.	Giri, C. C., and M. Praveena. "In vitro regeneration, somatic hybridization and genetic transformation studies: an appraisal on biotechnological interventions in grasses." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 120, no. 3 (2015): 843-860.

102.	Tamirisa, Srinath, Vudem Dashavantha Reddy, and Khareedu Venkateswara Rao. "Ectopic expression of pigeonpea cold and drought regulatory protein (CcCCR) in yeast and tobacco affords multiple abiotic stress tolerance." <i>Plant Cell, Tissue and Organ Culture (PCTOC)</i> 119, no. 3 (2014): 489-499.
103.	Tamirisa, Srinath, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Overexpression of pigeonpea stress-induced cold and drought regulatory gene (CcCCR) confers drought, salt, and cold tolerance in Arabidopsis." <i>Journal of experimental botany</i> 65, no. 17 (2014): 4769-4781.
104.	Ramineni, Ramadevi, Vijayakumar Sadumpati, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "Transgenic pearl millet male fertility restorer line (ICMP451) and hybrid (ICMH451) expressing Brassica juncea nonexpressor of pathogenesis related genes 1 (BjNPR1) exhibit resistance to downy mildew disease." <i>PLoS One</i> 9, no. 3 (2014): e90839.
105.	Tajne, Sunita, Dayakar Boddupally, Vijayakumar Sadumpati, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Synthetic fusion-protein containing domains of Bt Cry1Ac and Allium sativum lectin (ASAL) conferred enhanced insecticidal activity against major lepidopteran pests." <i>Journal of Biotechnology</i> 171 (2014): 71-75.
106.	Mittapelli, Suresh Reddy, Shailendar Kumar Maryada, Venkateswara Rao Khareedu, and Dashavantha Reddy Vudem. "Structural organization, classification and phylogenetic relationship of cytochrome P450 genes in Citrus clementina and Citrus sinensis." <i>Tree genetics & genomes</i> 10, no. 2 (2014): 399-409.
107.	Ramadevi, R., K. V. Rao, and V. D. Reddy. "Agrobacterium tumefaciens-mediated genetic transformation and production of stable transgenic pearl millet (Pennisetum glaucum [L.] R. Br.)." <i>In Vitro Cellular & Developmental Biology-Plant</i> 50, no. 4 (2014): 392-400.
108.	Chakravarthy, Vajhala SK, Tummala Papi Reddy, Vudem Dashavantha Reddy, and Khareedu Venkateswara Rao. "Current status of genetic engineering in cotton (Gossypium hirsutum L.): an assessment." <i>Critical reviews in biotechnology</i> 34, no. 2 (2014): 144-160.
109.	Kumar, Maryada Shailendar, Peram Ravindra Babu, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Organization and classification of cytochrome P450 genes in castor (Ricinus communis L.)." <i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 84, no. 1 (2014): 131-143.
110.	Kamarthapu, Venu, Srinivas Ragampeta, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Engineered Pichia pastoris for enhanced production of S-adenosylmethionine." <i>AMB Express</i> 3, no. 1 (2013): 1-9.
111.	Vajhala, Chakravarthy SK, Vijaya Kumar Sadumpati, Hariprasad Rao Nunna, Sateesh Kumar Puligundla, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Development of transgenic cotton lines expressing Allium sativum agglutinin (ASAL) for enhanced resistance against major sap-sucking pests." <i>PLoS One</i> 8, no. 9 (2013): e72542.
112.	Babu, Peram Ravindra, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Structural organization and classification of cytochrome P450 genes in flax (Linum usitatissimum L.)." <i>Gene</i> 513, no. 1 (2013): 156-162.
113.	Abhyankar, Gauri, K. V. Rao, and V. D. Reddy. "Genomic and metabolomic fingerprinting of

	Phyllanthus amarus (Schumm & Thonn) hairy root clones." Ann. Phytomed 2 (2013): 74-88.
114.	Sadumpati, Vijayakumar, Muralidharan Kalambur, Dashavantha Reddy Vudem, Pulugurtha Bharadwaja Kirti, and Venkateswara Rao Khareedu. "Transgenic indica rice lines, expressing Brassica juncea Nonexpressor of pathogenesis-related genes 1 (BjNPR1), exhibit enhanced resistance to major pathogens." Journal of biotechnology 166, no. 3 (2013): 114-121.
115.	Tajne, Sunita, Ramadevi Sanam, Rambabu Gundla, Neha S. Gandhi, Ricardo L. Mancera, Dayakar Boddupally, Dashavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Molecular modeling of Bt Cry1Ac (DI–DII)–ASAL (Allium sativum lectin)–fusion protein and its interaction with aminopeptidase N (APN) receptor of Manduca sexta." Journal of Molecular Graphics and Modelling 33 (2012): 61-76.
116.	Doma, Madhavi, Gauri Abhayankar, V. D. Reddy, and P. B. Kishor. "Carbohydrate and elicitor enhanced withanolide (withaferin A and withanolide A) accumulation in hairy root cultures of Withania somnifera (L.)." Indian Journal of Experimental Biology 50 (2012) : 484-490.
117.	Osman, Ahmed Abass, Peram Ravindra Babu, Kamarthapu Venu, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Prediction of substrate-binding site and elucidation of catalytic residue of a phytase from Bacillus sp." Enzyme and microbial technology 51, no. 1 (2012): 35-39.
118.	Panati, Kalpana, Sarvajeet Pal, Rao KV, and Vudem D. Reddy. "Association of single nucleotide polymorphisms (SNPs) of PADI4 gene with rheumatoid arthritis (RA) in Indian population." Genes & genetic systems 87, no. 3 (2012): 191-196.
119.	Reddy, J. Madhusudhana, M. A. Raoof, and K. Ulaganathan. "Development of specific markers for identification of Indian isolates of Fusarium oxysporum f. sp. ricini." European journal of plant pathology 134, no. 4 (2012): 713-719.
120.	Praveena, M., and C. C. Giri. "Plant regeneration from immature inflorescence derived callus cultures of salt tolerant kallar grass (Leptochloa fusca L.)." Physiology and molecular biology of plants 18, no. 4 (2012): 345-356.
121.	Singh, B. U., H. C. Sharma, and K. V. Rao. "Mechanisms and genetic diversity for host plant resistance to spotted stem borer, Chilo partellus in sorghum, Sorghum bicolor." Journal of Applied Entomology 136, no. 5 (2012): 386-400.
122.	Sekhar, K., B. Priyanka, V. D. Reddy, and K. V. Rao. "Metallothionein 1 (CcMT1) of pigeonpea (Cajanus cajan, L.) confers enhanced tolerance to copper and cadmium in Escherichia coli and Arabidopsis thaliana." Environmental and Experimental Botany 72, no. 2 (2011): 131-139.
123.	Singh, B. U., K. V. Rao, and H. C. Sharma. "Comparison of selection indices to identify sorghum genotypes resistant to the spotted stem borer Chilo partellus (Lepidoptera: Noctuidae)." International Journal of Tropical Insect Science 31, no. 1-2 (2011): 38-51.
124.	Bharathi, Y., S. Vijaya Kumar, I. C. Pasalu, S. M. Balachandran, V. D. Reddy, and K. V. Rao. "Pyramided rice lines harbouring Allium sativum (asal) and Galanthus nivalis (gna) lectin genes impart enhanced resistance against major sap-sucking pests." Journal of Biotechnology 152, no. 3 (2011): 63-71.
125.	Reddy, Vudem Dashavantha. "Antimicrobial Peptides and Development of Transgenic Plants Resistant to Pathogens." IUP Journal of Genetics & Evolution , 4 (2011). : 37-53

126.	Swapna, L., R. Khurana, S. Vijaya Kumar, Akhilesh K. Tyagi, and K. V. Rao. "Pollen-specific expression of <i>Oryza sativa indica</i> pollen allergen gene (OSIPA) promoter in rice and <i>Arabidopsis</i> transgenic systems." <i>Molecular biotechnology</i> 48, no. 1 (2011): 49-59.
127.	Anjaneyulu, C., and Charu C. Giri. "Direct Somatic Embryogenesis from Mature Zygotic Embryo and Conversion to Plants in Medicinal Tree <i>Terminalia chebula</i> Retz." <i>Tree and Forestry Science and Biotechnology</i> 5, no. 1 (2011): 33-37.
128.	Kumar, Munpally Shesheer, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Analysis of Envelope 1 (E1) and Hyper Variable Region-1 (HVR-1) Encoding Sequences from Indian Isolates of Hepatitis C Virus." <i>IUP Journal of Genetics & Evolution</i> , no. 3 (2010): 7-23.
129.	Sekhar, Kambakam, Bhyri Priyanka, Vudem Dashavantha Reddy, and Khareedu Venkateswara Rao. "Isolation and characterization of a pigeonpea cyclophilin (CcCYP) gene, and its over-expression in <i>Arabidopsis</i> confers multiple abiotic stress tolerance." <i>Plant, cell & environment</i> 33, no. 8 (2010): 1324-1338.
130.	Abhyankar, Gauri, P. Suprasanna, B. N. Pandey, K. P. Mishra, K. V. Rao, and V. D. Reddy. "Hairy root extract of <i>Phyllanthus amarus</i> induces apoptotic cell death in human breast cancer cells." <i>Innovative food science & emerging technologies</i> 11, no. 3 (2010): 526-532.
131.	Priyanka, B., K. Sekhar, T. Sunita, V. D. Reddy, and Khareedu Venkateswara Rao. "Characterization of expressed sequence tags (ESTs) of pigeonpea (<i>Cajanus cajan</i> L.) and functional validation of selected genes for abiotic stress tolerance in <i>Arabidopsis thaliana</i> ." <i>Molecular Genetics and Genomics</i> 283, no. 3 (2010): 273-287.
132.	Reddy, P. S. N., Vasantha Mittapelli, and V. D. Reddy. "Antibacterial, antifungal and antifeedant activity of quinazolinonyl- β -lactams/quinazolinones and bis (quinazolinonyl- β -lactams)." <i>Rasayan J. Chem</i> 3 (2010): 635-640.
133.	Priyanka, Bhyri, Kambakam Sekhar, Vudem Dashavantha Reddy, and Khareedu Venkateswara Rao. "Expression of pigeonpea hybrid-proline-rich protein encoding gene (CCHyPRP) in yeast and <i>Arabidopsis</i> affords multiple abiotic stress tolerance." <i>Plant Biotechnology Journal</i> 8, no. 1 (2010): 76-87.
134.	Shyamkumar, B., and Charu C. Giri. "High frequency shoot proliferation, rooting, acclimatization and field establishment of <i>Terminalia chebula</i> : A tree of pharmaceutical importance." <i>Tree Forest Sci Biotechnol</i> 5 (2010): 38-44.
135.	Manikonda, PAVAN K., G. Abhyanikarn, K. V. Rao, V. D. Reddy, and C. Subramanyam. "Salt stress enhances daidzein production in hairy root cultures of <i>Psoralea corylifolia</i> L.(Fabaceae)." <i>Proc AP Akad Sci</i> 13 (2009): 35-49.
136.	Rao, D. E. C. S., K. V. Rao, T. P. Reddy, and V. D. Reddy. "Molecular characterization, physicochemical properties, known and potential applications of phytases: an overview." <i>Critical reviews in biotechnology</i> 29, no. 2 (2009): 182-198.
137.	Narala, Venkata R., Monica R. Smith, Ravi K. Adapala, Rajesh Ranga, Kalpana Panati, Bethany B. Moore, Todd Leff, Vudem D. Reddy, Anand K. Kondapi, and Raju C. Reddy. "Curcumin is not a ligand for peroxisome proliferator-activated receptor- γ ." <i>Gene therapy & molecular biology</i> 13, no. 1 (2009): 20-25.
138.	Reddy, Vudem. Arunodai, K. Venu, D. E. C. S. Rao, K. V. Rao, and Vudem. D. Reddy. "Chimeric

	gene construct coding for bi-functional enzyme endowed with endoglucanase and phytase activities." Archives of microbiology 191, no. 2 (2009): 171-175.
139.	Bharathi, Y., S. Vijaya Kumar, I. C. Pasalu, V. D. Reddy, and K. V. Rao. "Transgenic Rice Endowed with Enhanced Resistance to Major Sap-Sucking Pests." Journal of Rice Research no. 2 (2009): 74-86.
140.	Pawan Khera, M. G. Gangashetti, Sukhpal Singh, K. Ulaganathan, H. E. Shashidhar and W. H. Freeman. "Identification and genetic mapping of elongated uppermost internode gene ϵ ™ with microsatellite markers in rice (<i>Oryza sativa</i> L.)." Journal of Plant Breeding and Crop Science 1, no. 10 (2009): 336-342.
141.	Roy, Soma, Archana Giri, Chodiseti Bhubaneswari, M. Lakshmi Narasu, and Charu C. Giri. "High frequency plantlet regeneration via direct organogenesis in <i>Andrographis paniculata</i> ." Med. Aromat. Plant Sci. Biotechnol 3 (2009): 94-96.
142.	Giri, C. C., A. Giri, and M. L. Narasu. "Catharanthus roseus (Periwinkle) a potential drug source for cancer chemotherapy and biotechnological interventions: an overview." Medicinal plants: utilization and conservation. Aviskar Publishers, Jaipur (2009): 475-504.
143.	Begum, Fathimunnisa, S. S. S. Nageswara Rao, Kiranmayee Rao, Y. Prameela Devi, A. Giri, and C. C. Giri. "Increased vincristine production from <i>Agrobacterium tumefaciens</i> C58 induced shooty teratomas of <i>Catharanthus roseus</i> G. Don." Natural Product Research 23, no. 11 (2009): 973-981.
144.	Kumar, Munpally Shesheer, Chittor Mohammed Habeebullah ² Mohammed Nanne Khaja, Khareedu Venkateswara Rao, and Vudem Dashavantha Reddy. "Phylogenetic analysis of 5' un-translated region (5'utr) of indian isolates of hepatitis C virus." Proc. A.P.Akademi of Sciences. 12(4) (2008) : 335-344
145.	Raof M.A, Madhusudhana Reddy J and K.Ulaganathan Molecular characterization of different <i>Fusarium</i> spp. isolates. Indian Journal of Oilseeds Research 26(2009): 178-182
146.	Madhusudhana Reddy J, Raof M.A and K.Ulaganathan Variability Journal of Oilseeds Research 26(2009): 499-502
147.	Yarasi, Bharathi, Vijayakumar Sadumpati, China Pasalu Immani, Dasavantha Reddy Vudem, and Venkateswara Rao Khareedu. "Transgenic rice expressing <i>Allium sativum</i> leaf agglutinin (ASAL) exhibits high-level resistance against major sap-sucking pests." BMC Plant Biology 8, no. 1 (2008): 1-13.
148.	Kamarthapu, Venu, Khareedu Venkateswara Rao, P. N. B. S. Srinivas, G. Bhanuprakash Reddy, and Vudem Dashavantha Reddy. "Structural and kinetic properties of <i>Bacillus subtilis</i> S-adenosylmethionine synthetase expressed in <i>Escherichia coli</i> ." Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics 1784, no. 12 (2008): 1949-1958.
149.	Rao, D. E. C. S., K. V. Rao, and V. D. Reddy. "Cloning and expression of <i>Bacillus</i> phytase gene (phy) in <i>Escherichia coli</i> and recovery of active enzyme from the inclusion bodies." Journal of Applied Microbiology 105, no. 4 (2008): 1128-1137.
150.	Kumar, Munpally Shesheer, Khareedu Venkateswara Rao, Chittor Mohammed Habeebullah, and Vudem Dashavantha Reddy. "Expression of alternate reading frame protein (F1) of hepatitis C virus in <i>Escherichia coli</i> and detection of antibodies for F1 in Indian patients." Infection, Genetics and Evolution 8, no. 3 (2008): 374-377.

151.	Shashikanth, M., Krishna AR, G. Ramya, Geeta Devi, and K. Ulaganathan. "Genome-wide comparative analysis of <i>Oryza sativa</i> (japonica) and <i>Arabidopsis thaliana</i> 5'-UTR sequences for translational regulatory signals." <i>Plant Biotechnology</i> 25, no. 6 (2008): 553-563.
152.	Kirubakaran, S. Isaac, S. Mubarak Begum, K. Ulaganathan, and N. Sakthivel. "Characterization of a new antifungal lipid transfer protein from wheat." <i>Plant physiology and Biochemistry</i> 46, no. 10 (2008): 918-927.
153.	Anjaneyulu, C., and C. C. Giri. "Factors influencing somatic embryo maturation, high frequency germination and plantlet formation in <i>Terminalia chebula</i> Retz." <i>Plant Biotechnology Reports</i> 2, no. 2 (2008): 153-161.
154.	Abhyankar, Gauri, and V. D. Reddy. "Rapid micropropagation via axillary bud proliferation of <i>Adhatoda vasica</i> Nees from nodal segments." <i>Indian Journal of Experimental Biology</i> . 45 (2007) : 268-271.
155.	Ulaganathan, K., P. S. Priya, A. Snehalatharani, M. Sashikanth, A. R. Krishna, and S. Singh. "Physical integration of root QTLs with the japonica genome and prediction of probable candidate genes for drought tolerance in rice." <i>Molecular Plant Breeding</i> (2007).
156.	Shyamkumar, B., C. Anjaneyulu, and C. C. Giri. "Genetic transformation of <i>Terminalia chebula</i> Retz. and detection of tannin in transformed tissue." <i>Current Science</i> (2007): 361-367.
157.	Latha, A. Madhavi, K. V. Rao, T. P. Reddy, and V. D. Reddy. "Development of transgenic pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.) plants resistant to downy mildew." <i>Plant cell reports</i> 25, no. 9 (2006): 927-935.
158.	Mahalakshmi, S., G. S. B. Christopher, T. P. Reddy, K. V. Rao, and V. D. Reddy. "Isolation of a cDNA clone (PcSpr) encoding serine-rich-protein from <i>Porteresia coarctata</i> T. and its expression in yeast and finger millet (<i>Eleusine coracana</i> L.) affording salt tolerance." <i>Planta</i> 224, no. 2 (2006): 347-359.
159.	Malathi, B., S. Ramesh, K. Venkateswara Rao, and V. Dashavantha Reddy. "Agrobacterium-mediated genetic transformation and production of semilooper resistant transgenic castor (<i>Ricinus communis</i> L.)." <i>Euphytica</i> 147, no. 3 (2006): 441-449.
160.	Mahalakshmi, S., N. C. Krishna, K. V. Rao, and V. D. Reddy. "Plant promoter prediction tool and isolation of a promoter from <i>Porteresia coarctata</i> ." <i>Online Journal of Bioinformatics</i> 10 (2006): 85-101.
161.	Shashikanth, M., A. SNEHALATHARANI, S. K. Mubarak, and K. Ulaganathan. "GENOME-WIDE COMPUTATIONAL ANALYSIS OF SMALL NUCLEAR RNA GENES OF <i>ORYZA SATIVA</i> (INDICA AND JAPONICA)." In <i>Proceedings Of The 4th Asia-Pacific Bioinformatics Conference</i> , pp. 277-286. 2006.
162.	Abhyankar, Gauri, V. D. Reddy, C. C. Giri, K. V. Rao, V. V. S. Lakshmi, S. Prabhakar, M. Vairamani, B. S. Thippeswamy, and P. S. Bhattacharya. "Amplified fragment length polymorphism and metabolomic profiles of hairy roots of <i>Psoralea corylifolia</i> L." <i>Phytochemistry</i> 66, no. 20 (2005): 2441-2457.
163.	Latha, A. Madhavi, K. Venkateswara Rao, and V. Dashavantha Reddy. "Production of transgenic plants resistant to leaf blast disease in finger millet (<i>Eleusine coracana</i> (L.) Gaertn.)." <i>Plant Science</i> 169, no. 4 (2005): 657-667.

164.	Roja Rani, A., V. D. Reddy, P. Prakash Babu, and G. Padmaja. "Changes in protein profiles associated with somatic embryogenesis in peanut." <i>Biologia plantarum</i> 49, no. 3 (2005): 347-354.
165.	Munipally, S.K., Rao, K.V. and Reddy, V.D. In – Silico Functional Analysis of HCV genome Encoded Proteins, <i>Bio Informatics In.</i> 3 (2005) : 37 – 45
166.	Ramesh, S., D. Nagadhara, V. D. Reddy, and K. V. Rao. "Production of transgenic indica rice resistant to yellow stem borer and sap-sucking insects, using super-binary vectors of <i>Agrobacterium tumefaciens</i> ." <i>Plant Science</i> 166, no. 4 (2004): 1077-1085.
167.	Nagadhara, D., S. Ramesh, I. C. Pasalu, Y. Kondala Rao, N. P. Sarma, V. D. Reddy, and K. V. Rao. "Transgenic rice plants expressing the snowdrop lectin gene (gna) exhibit high-level resistance to the whitebacked planthopper (<i>Sogatella furcifera</i>)." <i>Theoretical and Applied Genetics</i> 109, no. 7 (2004): 1399-1405.
168.	Ramesh, S., D. Nagadhara, I. C. Pasalu, A. Padma Kumari, N. P. Sarma, V. D. Reddy, and K. V. Rao. "Development of stem borer resistant transgenic parental lines involved in the production of hybrid rice." <i>Journal of biotechnology</i> 111, no. 2 (2004): 131-141.
169.	Ghosh, Modhumita, and Kandasamy Ulaganathan. "Immunolocalization of sorghum antifungal protein in embryogenic seed tissues." <i>Current Science</i> 86, no. 1 (2004): 24-26.
170.	Giri, C. C., B. Shyamkumar, and C. Anjaneyulu. "Progress in tissue culture, genetic transformation and applications of biotechnology to trees: an overview." <i>Trees</i> 18, no. 2 (2004): 115-135.
171.	Anjaneyulu, C., B. Shyamkumar, and C. C. Giri. "Somatic embryogenesis from callus cultures of <i>Terminalia chebula</i> Retz.: an important medicinal tree." <i>Trees</i> 18, no. 5 (2004): 547-552.
172.	Nagadhara, D., S. Ramesh, I. C. Pasalu, Y. Kondala Rao, N. V. Krishnaiah, N. P. Sarma, D. P. Bown, J. A. Gatehouse, V. D. Reddy, and K. V. Rao. "Transgenic indica rice resistant to sap-sucking insects." <i>Plant Biotechnology Journal</i> 1, no. 3 (2003): 231-240.
173.	Chandramu, C., Rao D. Manohar, David GL Krupadanam, and Reddy V. Dashavantha. "Isolation, characterization and biological activity of betulinic acid and ursolic acid from <i>Vitex negundo</i> L." <i>Phytotherapy Research: An International Journal Devoted to Pharmacological and Toxicological Evaluation of Natural Product Derivatives</i> 17, no. 2 (2003): 129-134.
174.	Chandramu, C., D. Manohar Rao, and V. Dashavantha Reddy. "High frequency induction of multiple shoots from nodal explants of <i>Vitex negundo</i> L. using sodium sulphate." <i>Journal of Plant Biotechnology</i> 5, no. 2 (2003): 107-113.
175.	Ulaganathan, K., S. Basha, and P. Daida. "SAR proteins and SAR protein homologues and their use in developing fungal resistance in plants." <i>Ann. Rev. Pl. Pathol</i> 2 (2003): 475-497.
176.	Harshavardhan, D., B. Santha, T. S. Rani, K. Ulaganathan, T. Y. Madhulety, C. Laxminarayana, and N. Seetharama. "Simple and economical assay systems for evaluation of pho sp hinothricin res ist a nt transgenics of sorghum, <i>Sorghum bicolor</i> .(L.) Moench., and pearl millet, <i>Pennisetum glaucum</i> (L.) R. Br." <i>Ind J Exp Biol</i> 41(2003): 141-148
177.	Laxmi, G. Vijaya, and C. C. Giri. "Plant regeneration via organogenesis from shoot base-derived callus of <i>Arachis stenosperma</i> and <i>A. villosa</i> ." <i>Current Science</i> (2003): 1624-1629.

178.	Laxmi, G. V., and C. Giri. "Rapid in vitro multiplication and establishment of five <i>Arachis</i> wild species [India]." <i>Journal of Genetics and Breeding (Italy)</i> (2003).
179.	Giri, A., C. C. Giri, and M. L. Narasu. "Recent advances in applications of transgenic hairy roots." <i>Plant genetic engineering</i> 4 (2003): 23-81.
180.	Shyamkumar, B., C. Anjaneyulu, and C. C. Giri. "Multiple shoot induction from cotyledonary node explants of <i>Terminalia chebula</i> ." <i>Biologia Plantarum</i> 47, no. 4 (2003): 585-588.
181.	Harshavardhan, Doddapaneni, Thammiraju Shyamala Rani, Kandasamy Ulaganathan, and Nadoor SEETHARAMA. "An improved protocol for regeneration of <i>Sorghum bicolor</i> from isolated shoot apices." <i>Plant Biotechnology</i> 19, no. 3 (2002): 163-171.
182.	Basha, Saleem, and Kandasamy Ulaganathan. "Antagonism of <i>Bacillus</i> species (strain BC121) towards <i>Curvularia lunata</i> ." <i>Current science</i> (2002): 1457-1463.
183.	Ulaganathan, K., G. Aparna, and M. Ghosh. "Antifungal proteins and their role in development of fungal resistance in plants." <i>Frontiers in microbial biotechnology and plant pathology</i> (2002): 141-160.
184.	Mythili, P. K., A. Madhavi, V. D. Reddy, and N. Seetharama. "Efficient regeneration of pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.) from shoot tip cultures." <i>Indian Journal of Experimental Biology</i> , 39 (2001) : 1274-1279 .
185.	Mythili, Padala Kamala, Vudem Dashavantha Reddy, and Nadoor Seetharama. "Regeneration and analysis of genetic variability in wild sorghum, <i>S. australiense</i> Garber and Snyder." <i>Cytologia</i> 66, no. 4 (2001): 341-348.
186.	Giri, Archana, C. C. Giri, Vikas Dhingra, and M. Lakshmi Narasu. "Enhanced podophyllotoxin production from <i>Agrobacterium rhizogenes</i> transformed cultures of <i>Podophyllum hexandrum</i> ." <i>Natural Product Letters</i> 15, no. 4 (2001): 229-235.
187.	Giri, Archana, Vikas Dhingra, C. C. Giri, Ajay Singh, Owen P. Ward, and M. Lakshmi Narasu. "Biotransformations using plant cells, organ cultures and enzyme systems: current trends and future prospects." <i>Biotechnology advances</i> 19, no. 3 (2001): 175-199.
188.	Rani, A. Sabitha, V. V. Subhadra, and V. D. Reddy. "In vitro propagation of <i>Acorus calamus</i> Linn.-A medicinal plant." <i>Indian Journal of Experimental Biology</i> 38 (2000) : 730-732.
189.	Reddy, G. M., and G. C. Giri. "Micropropagation and conservation of genetic resources in fruit crops." <i>Biotechnology in horticultural and plantation crops</i> . Malhotra publishing house, New Delhi, India (2000): 219-231.
190.	Giri, C. C., and G. Vijaya Laxmi. "Production of transgenic rice with agronomically useful genes: an assessment." <i>Biotechnology Advances</i> 18, no. 8 (2000): 653-683.
191.	Mythili, P. K., N. Seetharama, and V. D. Reddy. "Plant regeneration from embryogenic cell suspension cultures of wild sorghum (<i>Sorghum dimidiatum</i> Stapf.)." <i>Plant Cell Reports</i> 18, no. 5 (1999): 424-428.
192.	Rao, K. V., Keerti S. Rathore, Thomas K. Hodges, X. Fu, Eva Stoger, D. Sudhakar, Sarah Williams et al. "Expression of snowdrop lectin (GNA) in transgenic rice plants confers resistance to rice brown planthopper." <i>The Plant Journal</i> 15, no. 4 (1998): 469-477.
193.	Giri, C. C., and G. M. Reddy. "Production of fertile plants and analysis of protoclonal

	obtained from alginate encapsulated indica rice protoplasts [<i>Oryza sativa</i> L.]." <i>Journal of Genetics & Breeding (Italy)</i> (1998).
194.	Sudha Vani, A.K. and Reddy, V.D. Genetic basis of Ascochyta blight resistance in chickpea. <i>J. Indian Bot. Soc.</i> 76 (1997): 249-252
195.	Rao, K. V., P. Suprasanna, and G. M. Reddy. "Differential expression of esterase and MDH isozymes during in vitro culture in maize (<i>Zea mays</i> L.)." <i>Acta Physiologiae Plantarum</i> 19, no. 1 (1997): 29-32.
196.	Reddy, V. D., and G. M. Reddy. "In vivo production of haploids in chickpea (<i>Cicer arietinum</i> L.)." <i>Journal of Genetics and Breeding</i> 51 (1997): 29-32.
197.	Giri, A., S. Banerjee, P. S. Ahuja, and C. C. Giri. "Production of hairy roots in <i>Aconitum heterophyllum</i> Wall. using <i>Agrobacterium rhizogenes</i> ." <i>In Vitro Cellular & Developmental Biology-Plant</i> 33, no. 4 (1997): 280-284.
198.	Reddy, V. D., and G. M. Reddy. "Molecular analysis of somaclonal variation in triticale." <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> 4, no. 4 (1996): 260-262.
199.	Vani, AK Sudha, and V. D. Reddy. "Morphogenesis from callus cultures of chickpea, <i>Cicer arietinum</i> L." <i>Indian journal of experimental biology</i> 34 (1996): 285-287.
200.	Vani, AK Sudha, and V. D. Reddy. "Induction, isolation and genetic analysis of chickpea mutants resistant to ascochyta b light." <i>Int. J Mendel</i> Vol 13, no. 1-2 (1996): 5-6.
201.	Lyznik, L. Alexander, K. V. Rao, and Thomas K. Hodges. "FLP-mediated recombination of FRT sites in the maize genome." <i>Nucleic acids research</i> 24, no. 19 (1996): 3784-3789.
202.	Hodges, T. K., L. A. Lyznik, K. V. Rao, H. Kononowicz, K. S. Rathore, and R. Su. "FLP/FRT-mediated manipulation of transgenes in the plant genome." In <i>Rice Genetics III: (In 2 Parts)</i> , (1996). 207-221.
203.	Ghosh, Modhumitha, and Kandasamy Ulaganathan. "Mature seeds of <i>Sorghum</i> contain proteins toxic to aflatoxin-producing <i>Aspergillus flavus</i> ." <i>Journal of Stored Products Research</i> 32, no. 4 (1996): 339-343.
204.	Rao, K. V. "Transient gene expression in electroporated immature embryos of rice (<i>Oryza sativa</i> L.)." <i>Journal of plant physiology</i> 147, no. 1 (1995): 71-74.
205.	Rao, K. V., Keerti S. Rathore, and Thomas K. Hodges. "Physical, chemical and physiological parameters for electroporation-mediated gene delivery into rice protoplasts." <i>Transgenic research</i> 4, no. 6 (1995): 361-368.
206.	Lyznik, Leszek A., Lynne Hirayama, K. V. Rao, Andre Abad, and Thomas K. Hodges. "Heat-inducible expression of FLP gene in maize cells." <i>The Plant Journal</i> 8, no. 2 (1995): 177-186.
207.	Rao, K.V., K.S. Powell, K.S. Rathore, V.A. Hilder, J.A. Gatehouse and T.K. Hodges (1995) Evaluation of snowdrop lectin gene for conferring insect resistance to rice. In: <i>Proc. of Third Int. Rice Genetic Symposium, IRRI, Manila, Philippines.</i>
208.	Giri, C. C., and P. S. Ahuja. "Characterizing intergeneric regenerants of protoplast fusion between <i>Hyoscyamus muticus</i> (Egyptian henbane) and <i>Atropa belladonna</i> (Indian sagangur)." <i>Current Science</i> (1995): 458-461.

209.	Suprasanna, P., K. V. Rao, and G. M. Reddy. "Embryogenic callus in maize: genotypic and aminoacid effects." <i>Cereal Research Communications</i> (1994): 79-82.
210.	Giri, C. C., and P. S. Ahuja. "Morphological variations, qualitative and quantitative changes in alkaloid pool in the protoclone progenies of <i>Hyoscyamus muticus</i> (Egyptian henbane)." <i>Current Science</i> (1994): 445-448.
211.	Giri, C. C., and G. M. Reddy. "Alginate encapsulation technique for indica rice protoplast culture and plant regeneration." <i>Current Science</i> (1994): 542-545.
212.	Padmaja, G., V. D. Reddy, and G. M. Reddy. "Somaclonal variation from regenerants of mature embryo calli of triticale." <i>Indian journal of experimental biology</i> 31 (1993): 238-238.
213.	Reddy, V. D., and G. M. Reddy. "Genetic basis of plant regeneration in hexaploid triticale." <i>Euphytica</i> 70, no. 1 (1993): 17-19.
214.	Giri, C. C., and P. S. Ahuja. "Isolation of a chlorate-resistant line from protoplast cultures of <i>Hyoscyamus muticus</i> L." <i>Current Science</i> (1993): 426-429.
215.	Reddy V.D. and Reddy G.M. Genetic instability in rice. <i>J. Genet. & Breed.</i> 46 (1992) : 247-252.
216.	Padmaja, G., V. D. Reddy, and G. M. Reddy. "Somatic embryogenesis and plant regeneration from mature embryo callus." <i>Indian journal of experimental biology</i> 30 (1992): 181-184.