

| List of students post graduated (Master and doctoral degree) in last five years |                        |        |                                                                                                                                                                             |                    |                    |
|---------------------------------------------------------------------------------|------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| Sr. No.                                                                         | Name of Student        | Degree | Thesis Title                                                                                                                                                                | Major Advisor      | Date of Submission |
| 1                                                                               | Samarth R. Patel       | M.Sc.  | Evaluation and validation of housekeeping genes for expression studies in Clusterbean ( <i>Cymopsis tetragonaloba</i> ) under drought stress condition                      | Dr. R. S. Fougat   | 01-08-2018         |
| 2                                                                               | Kunj Kumar F. Patel    | M.Sc.  | Gene expression study of WRKY transcription factors in Cumin ( <i>Cuminum cyminum</i> L.) for wilt resistance                                                               | Dr. Y. M. Shukla   | 07-09-2018         |
| 3                                                                               | Mahendrasinh C. Thakor | M.Sc.  | Genetic diversity analysis in Teak ( <i>Tectona grandis</i> L.) using phenotypic and molecular markers                                                                      | Dr. R. S. Fougat   | 17-09-2018         |
| 4                                                                               | Rutulkumar V. Rafaliya | Ph.D.  | Elucidation of genes involved in Scopoletin biosynthesis in <i>Convolvulus microphyllus</i> Sieb. Ex Spreng by transcriptome sequencing                                     | Dr. Subhash N.     | 15-10-2018         |
| 5                                                                               | Kunj D. Bhatt          | M.Sc.  | Next Generation Sequencing based identification and classification of TLCDV (Tomato Leaf Curl Virus) isolated from different Agro-Climatic Zones of Gujarat                 | Dr. Akarsh Parihar | 26-10-2018         |
| 6                                                                               | Mariya Shabbir Zaman   | Ph.D.  | Interspecific hybridization for YVMV resistance in Okra through embryo rescue and somatic hybridization                                                                     | Dr. Akarsh Parihar | 27-03-2019         |
| 7                                                                               | Amar A. Sakure         | Ph.D.  | Elucidation of metabolic pathway for expression of Saffron genes involved in biosynthesis of Crocin and safranal using tobacco as a model system                            | Dr. R. S. Fougat   | 11-06-2019         |
| 8                                                                               | Adinath S. Palve       | Ph.D.  | Targeted grain metabolite based genome wide association (GWAS) studies among Rice ( <i>Oryza sativa</i> L.) genotypes                                                       | Dr. R. S. Fougat   | 04-06-2019         |
| 9                                                                               | Sachin K. Bhalodiya    | M.Sc.  | Protocol development for protoplast isolation in Coconut ( <i>Cocos nucifera</i> L.)                                                                                        | Dr. G. B. Patil    | 16-09-2019         |
| 10                                                                              | Gautamkumar V. Solanki | M.Sc.  | Identification and classification of various OYVMV (okra Yellow Vein Mosaic Virus) isolated from different Agro- Climatic Zones of Gujarat using Next Generation Sequencing | Dr. Akarsh Parihar | 22-11-2019         |
| 11                                                                              | Bhutaka Kinjal H.      | Ph.D.  | Interspecific hybridization in Cotton ( <i>Gossypium</i> spp.) through embryo rescue                                                                                        | Dr. Akarsh Parihar | 26-11-2019         |
| 12                                                                              | Pallavikumar O. Desai  | M.Sc.  | Molecular studies for Aphid [ <i>Lipaphis erysimi</i> (Kalt)] resistance in advanced generation (F <sub>4</sub> ) of Brassica interspecific hybrid GM-3 × Pusa Swarnim      | Dr. N. Sasidharan  | 30-11-2019         |
| 13                                                                              | Kinjal Kulshreshtha    | Ph.D.  | Transcriptome analysis for nematode resistance in cultivated and wild Tomato                                                                                                | Dr. Akarsh Parihar | 03-12-2019         |
| 14                                                                              | Pitambar               | PhD    | Mapping QTLs for high zinc and iron content in maize ( <i>Zea mays</i> L.)                                                                                                  | Dr. Y. M. Shukla   | 29-09-2020         |
| 15                                                                              | Khyati R. Savani       | M.Sc.  | Development of molecular marker for identification of sex in date palm ( <i>Phoenix dactylifera</i> L.)                                                                     | Dr. G. B. Patil    | 22-10-2020         |

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| 16 | Maisuria Hemanshukumar J. | Ph.D.  | Population structuring and gene expression analysis of drought tolerant genes in Teak ( <i>Tectona grandis</i> L.)                                                                                   | Dr. H. L. Dhaduk   | 10-08-2020 |
| 17 | Patel Rohinikumari M.     | M. Sc. | Nutraceutical and molecular characterization in cowpea                                                                                                                                               | Dr. Akarsh Parihar | 01-12-2020 |
| 18 | Akhila S. R.              | M. Sc. | Morphological, physico-biochemical and marker (SSR and SRAP) based diversity study in castor ( <i>Ricinus communis</i> L.)                                                                           | Dr. Sushil Kumar   | 29-12-2020 |
| 19 | Gadhvi Tushar R.          | M. Sc. | Physio-biochemical analysis of tomato cv. GAT-5 fruits for shelf life in response to exogenous melatonin                                                                                             | Dr. J. J. Dhruve   | 01-02-2021 |
| 20 | Meghna R. Sagar           | M. Sc. | Morphological physio-biochemical and marker based diversity study in desi cotton ( <i>Gossypium herbaceum</i> L.)                                                                                    | Dr. Sushil Kumar   | 14-10-2021 |
| 21 | Verma Hemangi S.          | M. Sc. | In-vitro clonal propogation of teak ( <i>Tectona grandis</i> L.) from nodal explants                                                                                                                 | Dr. G. B. Patil    | 17-11-2021 |
| 22 | Gunginiya Darshnaben F.   | M. Sc. | Morpho-biochemical and molecular marker based diversity study in Pearl millet [ <i>Pennisetum glaucum</i> (L.) R. Br]                                                                                | Dr. Sushil Kumar   | 29-11-2021 |
| 23 | Shah Zarna Sanjaykumar    | M. Sc. | Gene expression studies under varied ZnO nanoparticle condition in rice ( <i>Oryza sativa</i> L.)                                                                                                    | Dr. G. B. Patil    | 27-05-2022 |
| 24 | Vikas Choubey             | M. Sc. | Identification of peptides released during <i>Fusarium oxysporum</i> infection in castor through proteomics                                                                                          | Dr. Amar Sakure    | 01-09-2022 |
| 25 | Sakariya Prachi           | M. Sc. | Study of peptides conferring resistance to root knot nematode in tobacco ( <i>Nicotiana tabacum</i> L.)                                                                                              | Dr. Amar Sakure    | 15-09-2022 |
| 26 | Shiwani                   | Ph.D.  | CRISPR/Cas9 mediated genome editing to enhance shelf life in tomato                                                                                                                                  | Dr. Akarsh Parihar | 20-10-2022 |
| 27 | Barvaliya Paritaben P.    | Ph.D.  | In- vitro propagation of black ginger ( <i>Kaempferia parviflora</i> wall ex. Baker)                                                                                                                 | Dr. G. B. Patil    | 21-10-2022 |
| 28 | Pandya Priyankaben M.     | Ph.D.  | Effect of ZnO nanoparticles on physio-biochemical parameters and expression of drought-responsive genes in wheat ( <i>Triticum aestivum</i> L.) under drought stress.                                | Dr. Sushil Kumar   | 28-11-2022 |
| 29 | Markad Nanasaheb R.       | Ph.D.  | Identification of molecular markers for shelf life and lycopene content in tomato ( <i>Solanum lycopersicum</i> L.)                                                                                  | Dr. Akarsh Parihar | 06-01-2023 |
| 30 | Penki Jenny               | M. Sc. | Molecular cloning and characterization of root specific <i>SIREO</i> promoter of tomato                                                                                                              | Dr. Sushil Kumar   | 28-08-2023 |
| 31 | Patel Mansiben Vishnubhai | M. Sc. | Morpho-biochemicals and molecular markers based diversity study in kalmegh [ <i>Andrographis paniculata</i> (Burm F.) Nees]                                                                          | Dr. Sushil Kumar   | 31-08-2023 |
| 32 | Treesa Thomas             | M. Sc. | Development of putative RKN resistant tomato ( <i>Solanum lycopersicum</i> . L) plants through cisgenesis using <i>Mi-1</i> gene                                                                     | Dr. Amar A. Sakure | 26-09-2023 |
| 33 | Ankit Yadav               | Ph.D.  | Functional and Molecular characterization of <i>CCoAMOT</i> gene for alternaria blight resistance in cumin using tobacco as a model plant                                                            | Dr. Akarsh Parihar | 04/10/2023 |
| 34 | Kristy George Vilson      | M. Sc. | Functional and molecular characterization of flowering locus-T gene of saffron ( <i>Crocus sativus</i> L.) and evaluation of its effect on flowering behavior in transgenic <i>Nicotiana tabacum</i> | Dr. Amar A. Sakure | 29-07-2024 |
| 35 | Akansha Tripathi          | M.Sc.  | Morpho-physiological characterization of fruit inomics and population structuring of brinjal ( <i>Solanum melongena</i> L.) germplasm                                                                | Dr. Sushil Kumar   | 08-08-2024 |
| 36 | Chauhan Bhakti            | Ph.D.  | Identification of marker linked with little leaf resistance in brinjal ( <i>Solanum melongena</i> L.)                                                                                                | Dr. Y. M. Shukla   | 09-08-2024 |

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| 37 | Rathava Rajeshvari    | Ph.D.  | Genome wide association study for yield related traits in rice ( <i>Oryza sativa</i> L)                                         | Dr. Sushil Kumar   | 10-07-2025 |
| 38 | Mimansa Zora          | M.Sc.  | Comparative proteomics and metabolite profiling of wild and cultivated tomato species for leaf curl virus disease               | Dr. M. B. Vaja     | 08-08-2025 |
| 39 | G. Pooja              | M. Sc. | Genetic transformation of tomato ( <i>Solanum lycopersicum</i> ) for heat tolerance using <i>Triticum aestivum</i> Hsp23.9 gene | Dr. Amar A. Sakure | 18-08-2025 |
| 40 | Chinnam Sandhya       | M.Sc.  | Development of micro-propagation protocol in ginger ( <i>Zingiber officinalis</i> Koscoe.)                                      | Dr. G. B. Patil    | 26-08-2025 |
| 41 | Raj P. Rakholia       | M. Sc. | Integrated proteomics and metabolomics analysis of brinjal ( <i>Solanum melongena</i> L.) for little leaf disease resistance    | Dr. Amar A. Sakure | 02-09-2025 |
| 42 | Chavda Hardiksingh R. | Ph.D.  | Targeted mutagenesis through CRISPR based genome editing for higher accumulation of provitamin D in tomato fruit                | Dr. Amar A. Sakure | 06/10/2025 |