

CURRICULUM VITAE

PERSONAL DETAILS:

Name : DR. KALPESHKUMAR BABUBHAI ISHNAVA
Date of Birth : 6th March, 1974
Nationality : Indian
Present post : Associate professor in Botany
Address for communication : Department of Biosciences, Sardar Patel University
Vallabh Vidhyanagar- 3881210, Gujarat, India.
Permanent address : “SAHJANAND VAN”
11/A, Vaidh Bunglow
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Marital status : Married

ACADEMIC RECORD:

Name of the Examination Passed	Board/University	Study Period	Subject	Class Obtained
Ph. D	Sardar Patel University (SPU)	2006	Botany	-
Certificate in Participatory Forest Management	Indira Gandhi National Open University (IGNOU)	2001	Forest Management	First
M. Sc.	Sardar Patel University (SPU)	2001	Botany	Second
B. Sc.	Sardar Patel University (SPU)	1999	Botany	First
B. Sc.	Sardar Patel University (SPU)	1998	Microbiology	Third
H. Sc. (XII)	Gujarat Secondary Education Board (GSEB)	1993	Science	Third
S. Sc. (X)	Gujarat Secondary Education Board (GSEB)	1990	Science	Third

TITLE OF DOCTORAL RESEARCH (PH.D):

“Assessment of genetic diversity by using isozyme markers of three medicinal plants” under the guidance of Dr. J. S. S. Mohan, Department of Biosciences, Sardar Patel University, V.V. Nagar, Gujarat.

RESEARCH AREAS OF INTEREST:

- Medicinal plants, Plant Biotechnology, Biodiversity conservation, Plant taxonomy, Identification of active principles from plants

RESEARCH EXPERIENCE:

1. Assistant Professor in plant biotechnology (16 June, 2007 – 08/06/2022): Ashok and Rita Patel Institute of Integrated Study and Research in Biotechnology and Allied Sciences, New Vallabh Vidhyanagar, Gujarat, India.
2. Research Scientist (01 March, 2007 to 15 June, 2007): Pharmanza Herbal Pvt. Ltd. (R&D), Keniya, Gujarat. Project involved “Plant Identification and New Herbal Drug Development Programme”.
3. Senior Research Fellow (June, 2003 to December, 2003): Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India. Project involved “Collection, Characterization & *Ex situ* Conservation of Medicinal Plants of Gujarat” sponsored by Indian Council of Agriculture Research (ICAR), India.
4. Project Fellow (July, 2002 to June, 2003): Department of Biosciences, Sardar Patel University, Vallabh Vidhyanagar, Gujarat, India. Project involved “Biology of Ecologically Important and Life supporting Plant of Little Rann of Kutchh” sponsored by Ministry of Environment and Forest (MEF), New Delhi.

TRAINING RECEIVED:

1. Participated in a summer training programme “**NGP-DST Summer School on Geospatial Technologies (Level 1)**” (18th April to 08th May 2022) organized by Department of Civil Engineering, G H Patel College of Engineering & Technology, Vallabh Vidyanagar and supported by National Geospatial (NGP)- Department of Science and Technology, Government of India, New Delhi
2. Participated in a short-term training programme “**Youth and COVID-19: Building a Culture of Resilience**” (29th May 2021) organized by NSS Cell of CVM University, Vallabh Vidyanagar, Anand, Gujarat.
3. Participated in a training programme “**TEACHING WITHOUT LECTURING**” (3rd February to 4th February 2020) organized by H.M. Patel Institute of English Training and Research & H.M. Patel Career Development Centre, Vallabh Vidyanagar.
4. Participated in a short-term training programme “**Basics of Disaster Risk Management**” (21st December 2020) organized by GIDM, Gandhinagar, Gujarat.

5. Participated in a training programme on **“Faculty Development Program on Multiple Strategies for Creativity, Problem, Solving and Innovation”** (1st June to 11th June 2021) organized by CVM University, Vallabh Vidyanagar, Anand, Gujarat.
6. Participated in a training programme **“How to Make a Doormat from Old Clothes” (08/10/2020)** organized by B. J. Vanijya Mahavidyalaya and Madhuvan Foundation, Vallabh Vidyanagar, Anand, Gujarat.
7. Participated in a training programme **“Online Teaching and Assessment for College Teachers” (09/06/2020 to 13/06/2020)** organized by H.M. Patel Institute of English Training and Research & H.M. Patel Career Development Centre, Vallabh Vidyanagar.
8. Participated in a training programme on **“Faculty Development Program on Multiple Strategies for Creativity, Problem, Solving and Innovation”** (November 16th to November 23rd, 2019) organized by Charotar University of Science and Technology, CHARUSAT, Changa, Gujarat.
9. One day workshop on **“Plant Nomenclature”** organized by Department of Botany, Faculty of Science, The Maharaja Sayajirao University of Board, Vadodara, Gujarat, India held on March 20, 2019.
10. One day workshop on **“Patents: Concepts and Practice”** organized by Natubhai V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar-388121, Anand, Gujarat, India, held on 29th January 2019.
11. One day workshop on **“Municipal Solid Waste Management”** organized by The Institution of Engineers (India) and A D Patel Institute of Technology (ADIT), New Vallabh Vidyanagar-388121, Anand, Gujarat, India, held on 5th October 2018.
12. Two-day workshop on **“Liquid Chromatography –Massspectrometry (LC-MS/MS)”** organized by Centre for Interdisciplinary Studies in Science and Technology (CISST), DST-PURSE Programme, S. P. University, Vallabh Vidyanager, held on 21st -22nd January, 2014.
13. One day workshop on **“Quantifying the impact and relevance of Scientific Research”** organized by V.P.& R.P.T.P. Science College, Sardar Patel University, Vallabh Vidyanager, held on August 13, 2014.
14. Participated in a training programme on **“UGC-Sponsored 29th Refresher Course on Bio-Sciences and Bio-Engineering”** (June 02th to June 22nd 2014) organized by Academic staff college, Sardar Patel University, Vallabh Vidyanager-388120, Anand, Gujarat.

15. Participated in a training programme on “**18th UGC-Sponsored Orientation Programme**” (June 6th to July 2nd 2013) organized by academic staff college, Sardar Patel University, Vallabh Vidyanagar-388120, Anand, Gujarat.
16. Participated in a training programme on “**Molecular Modeling for Drug Design (MMDD-12)**” (November 29th - 30th, 2012) organized by PURSE Program of DST-SPU, Sardar Patel University, Vallabh Vidyanagar.
17. Participated in a training programme on “**Plant Identification and Nomenclature**” (March, 28-30, 2007) organized by Gujarat University Botanical Society (GUBS), Botany Department, University School of Sciences, Gujarat University, Ahmedabad, Gujarat.
18. Participated in a training programme on “**Production of medicinal and Aromatic plants**” (December 11-13, 2006) organized by Central Institute of Medicinal and Aromatic Plants (CMAP), Lucknow at IIAR, Gandhinagar, Gujarat.
19. Seven days specialized training and workshop on “**AFLP Technique for Cultivar Identification and Analysis of Molecular Diversity in Crop Plants**” at the National Research Center on DNA Fingerprinting, National Bureau of Plant Genetic Resources (NBPGR), New Delhi, from 2nd to 9th December 2003.
20. One day workshop on “**Herbarium Management: Problems and perspectives**” organized by Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar on June 14, 2001.
21. One week training programmed on “**Horticulture**” organized By Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar on June 18-23, 2001.
22. Six-week summer training on “**Characterization and Antiviral agents from higher plants**” Organized by Department of Plant Pathology, B. A. College of Agriculture, Gujarat Agriculture University, Anand-388110 on May 1, 2000 to June 17, 2000.

TECHNICAL EXPERTISE:

- **Molecular Biology:** Electrophoresis (Native & SDS-PAGE), Isozyme analysis, PCR Techniques, DNA isolation, DNA Fingerprinting, AFLP Technique.
- **Phytochemistry:** Phytochemical analysis such as extraction, isolation and characterization using TLC, HPTLC, Column Chromatography, UV-Visible Spectrophotometry, etc.,
- **Plant Tissue Culture:** Mass propagation of medicinal plants
- **Photography:** Wild plants, Animal, Birds and Nature Photography
- **Plant Taxonomy:** Identification of plant species

❖ PARTICIPATION IN THE SYMPOSIA/CONFERENCE/SEMINAR:

PAPERS PRESENTED AT THE CONFERENCE / SYMPOSIA/ SEMINAR:

1. A. S. Reddy, **Kalpesh Ishnava**, Kalpesh Anjaria, V. Rama Rao & Bhargav Brahmabhat (2004) “Indian Folklore associated with an African Tree (*Adansonia digitata* L.) at National Symposium on Recent Trends in Plant Sciences conducted by S. K. University, Anantapur, Andhra Pradesh during October 29-31, 2004.

2. **Kalpesh Ishnava** and J.S.S.Mohan (2006) “Isozyme diversity in medicinal climber of *Tinospora cordifolia* (Willd.) Miers (Menispermaceae) from Gujarat, India” at 3rd convention of BRSI and International conference on “Exploring Horizons in Biotechnology: A Global Venture”. During November 2-4, 2006 by Department of Biosciences, Sardar Patel University Vallabh Vidyanagar.

3. **Kalpesh Ishnava**, Yogesh N Mahida and J.S.S.Mohan (2006) “Antibacterial activity of guggul gum from *Commiphora wightii* (Arn.) Bhandari.” at 3rd convention of BRSI and International conference on “Exploring Horizons in Biotechnology: A Global Venture”. During November 2 - 4, 2006 by Department of Biosciences, Sardar Patel University Vallabh Vidyanagar-388120.

4. Gita B Patel, J.S.S.Mohan, **Kalpesh B. Ishnava** and Yogesh N.Mahida (2007) “Screening of bark extracts of some plants from Gujarat for antibacterial activity” at One day National level Seminar on “New Horizons in Biological Sciences”. During September 23 -24, 2007, by Natubhai V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar – 388120.

5. **Ishnava Kalpesh** and J.S.S.Mohan (2007) “Assessment of genetic diversity of *Commiphora wightii* (Arn.) Bhandari- A data deficiency shrub species using isozyme markers” at XVII Annual conference of Indian Association of Angiosperm taxonomy (IAAT) and International Seminar on “Changing Scenario in Angiosperm systematics”. During November 19th – 21st, 2007 organized by Department of Botany, Shivaji University, Kolhapur, Maharashtra, India.

6. **Ishnava Kalpesh** and J.S.S.Mohan (2008) “Assessment of genetic diversity of *Tribulus terrestris* L. (Zygophyllaceae) medicinal herb from Gujarat, India” at International Seminar on “Medicinal plants and Herbals Products”. During March 7 – 9, 2008 by Department of Botany, Sri Venkateswara University, Tirupati – 517502, Andhra Pradesh, India.

7. **Ishnava Kalpesh** and J.S.S.Mohan (2008) “Assessment of genetic diversity in *Tinospora cordifolia* (Miers)(Menispermeaceae) from Gujarat, India” at XVIII Annual conference of Indian Association of Angiosperm taxonomy (IAAT) and International Seminar on “Multidisciplinary

approach in Angiosperm systematic". During October 11–13, 2008, organized by Department of Botany, University of Kalyani, Kalyani, West Bengal, India.

8. Ishnava Kalpesh and J. S. S. Mohan (2008) "Plant diversity and its present status in little Rann of Kachchh, Gujarat, India" at UGC sponsored conference on "Taxonomy, Teaching and Research: The relevance in the national context". During 27th September 2008, organized by R. K. Parikh Arts and Science College, Petlad, Gujarat, India.

9. Ishnava Kalpesh, V. Rama Rao, J. S. S. Mohan and I. L. Kothari (2009) "Ecologically important and life supporting plants of Little Rann of Kachchh, Gujarat" at XIX Annual conference of Indian Association of Angiosperm taxonomy (IAAT) and International Seminar on "Angiosperm Systematic and Phylogeny; Retrospects and Prospects". During November 12–14, 2009, organized by National Botanical Research Institute, Lucknow, India.

10. Ishnava Kalpesh, Jenabhai B Chauhan, Akanksha A Garg and Arpit M Thakkar (2010) "Antibacterial and phytochemical studies on *Calotropis gigantea* (L.) R.Br. Latex gainst selected cariogenic bacteria" at XI International conference of International organization of plant biosystematists and International Seminar "Evolution of plants from tropical to high mountain ecosystem: Focus on Asia". During September 02-04, 2010, organized by Department of Botany, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad, (M.S) India.

11. Ishnava Kalpesh, Jenabhai B Chauhan, Akanksha A Garg and Arpit Thakkar (2010) "Anticariogenic and phytochemical potential of selected medicinal plants latex" at XX Annual conference of Indian Association for Angiosperm Taxonomy and International symposium on "Taxonomy, Plant Diversity and Conservation". During November 26-28, 2010, organized by Department of Botany, Bharathiar University, Coimbatore, India.

12. Kalpesh Ishnava, Tejas Patel, Jeenabhai B Chauhan (2011) "Genetic Transformation of Medicinal Plants, *Withania somnifera* (L.) Dunal by *Agrobacterium tumefaciens* (MTCC – 431)" at Three day National level Symposium on "Evolving paradigm to improve productivity from dynamic management and value addition for plant genetic resources". During October 13-15, 2011, organized by Department of Botany, Gujarat University, Ahmedabad-380009, India.

13. Kalpesh Ishnava, Jenabhai B Chauhan, Akanksha A Garg and Arpit Thakkar (2011) "Anticariogenic activity of some medicinal plants latex collected from Gujarat and isolation of bioactive compound" at Four day International conference on life sciences. During November 10- 13, 2011 organized by Paavan education trust and Department of Life Sciences, Hemchandracharya North Gujarat University, Patan, India.

14. Ishnava Kalpesh, Jenabhai B Chauhan, and Mahesh k Barad (2011) “Anticariogenic activity of some medicinal plants against selected bacteria” at XXI Annual conference of Indian Association for Angiosperm Taxonomy and National seminar on "Biodiversity conservation and climate change". During December 02-04, 2011, organized by CSIR-Institute of Minerals and materials Technology, Environment and Sustainability Department, Bhubaneswar, Odisha, India.

15. Ishnava Kalpesh, Jenabhai B Chauhan, and Mahesh k Barad (2012) “Anticariogenic and phytochemical evaluation of *Eucalyptus globules* Labill.” at two day second National conference on Biotechnology, Bioinformatics and Bioengineering. During February 24 -25, 2012 organized by society for applied biotechnology, Kolhapur, Maharashtra, India.

16. Kalpesh Ishnava, Jenabhai B Chauhan, Akanksha A Garg and Arpit Thakkar (2012) “Anticariogenic activity of *Calotropis Sp.* Latex and structure elucidation of bioactive compound” at three day 16th National convention of society of pharmacognosy and International symposium on herbal and traditional medicine. During March 09-11, 2012 organized by Indian society of pharmacognosy and Department of Pharmaceutical Science, Saurashtra University, Rajkot, Gujarat.

17. Pankit P Shah and Kalpesh Ishnava (2012) “Anticariogenic and hemolytic activity of selected seed protein extracts and their potential use in tooth infection” at three day 16th National convention of society of pharmacognosy and international symposium on herbal and traditional medicine. During March 09-11, 2012 organized by Indian society of pharmacognosy and Department of Pharmaceutical Science, Saurashtra University, Rajkot, Gujarat.

18. Kalpesh B Ishnava, Ruchi Kotadia and Sandip Patel (2012) “Systematics investigation on medicinal properties and nutritional potential of *Corallocarpus epigaeus* (Arn.)Cl. at three day XXII Annual conference of Indian Association for Angiosperm Taxonomy and international symposium on“ Innovative prospects in angiosperm taxonomy (ISIPAT-2012). During October 28-30, 2012, organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati.

19. Hiral Y Soni, Megha. S. Parekh and Kalpesh B Ishnava (2012) “Comparison of the antimicrobial activity of seed protein extracts from selected medicinal plants against tooth decaying organisms” at two day National conference on “Research in Plant Sciences: Changing Pathways, Changing lives” (NCRPS-2012). During the October 29-30, 2012, organized by Department of Botany, Smt S M Panchal Science College, Talod, Gujarat.

20. Khushal J Patel, Mahesh K Barad, Jenabhai B Chauhan and Kalpesh B Ishnava (2012) “*In Vitro* potential ethnobotanical screening of anticariogenic activity of different solvent extracts of various Indian plant leaves” at two day National conference on “Research in Plant Sciences: Changing

Pathways, Changing lives” (NCRPS-2012). During the October 29-30, 2012, organized by Department of Botany, Smt S M Panchal Science College, Talod, Gujarat.

21. Meghna Patel, Komal G. Patel and **Kalpesh B Ishnava (2012)** “*In Vitro* study of Neem (*Murraya koenigii* (L.) Spr. Through nodal shoot segment by micropropagation method” at two day National conference on “Research in Plant Sciences: Changing Pathways, Changing lives” (NCRPS-2012). During the October 29-30, 2012, organized by Department of Botany, Smt S M Panchal Science College, Talod, Gujarat.

22. Meghna Patel and **Kalpesh B Ishnava (2013)** “*In vitro* study of *Tinospora cordifolia* (Wild.) Miers - A multipurpose climber using different plant bark extracts for secondary metabolite production” at two day National conference on “Integration of medicinal and Aromatic Plants for rural Development and Prosperity”. During the January 22-23, 2013, organized by Medicinal and Aromatic Plants Association of India at Anand, Gujarat, India.

23. **Kalpesh Ishnava and Nevy K Patel (2013)** “Micropropagation and Medicinal Properties of *Praecitrullus fistulosus* Pangalo (Cucurbitaceae) - An Underutilization Vegetable” at three day XXIII Annual conference of Indian Association for Angiosperm Taxonomy and international symposium on “Recent Advances in Plant Taxonomy Research”. During December 27-29, 2013, organized by Post Graduate Department of Botany, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-4440033.

24. **Kalpesh Ishnava** and Mehul G Patel (2014) “Multiple Shoot Induction from Nodal Cultures of *Momordica dioica* Roxb. (Spine Gourd) (Cucurbitaceae) and Its Antidiabetic Activity ” at three day 24th Annual conference of Indian Association for Angiosperm Taxonomy and international conference on “Trends in Plant Systematics (TIPS) ”. During 31st October -2nd November 2014, organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli-620024, Tamil Nadu, India.

25. **Kalpesh B Ishnava and Abhishek R Vyas (2015)** “*In vitro* production of Gymnemic acid using PGR from *Gymnema sylvestre* R.Br. (Madhunashini) for the treatment of diabetes mellitus”. at three day Silver jubilee conference of Indian Association for Angiosperm Taxonomy and council meeting IAPT and international conference on “Advancements in angiosperm systematic and conservation”. 19-21 November 2015, organized by Department of Botany, University of Calicut, Calicut, Kerala, India.

26. **Kalpesh B Ishnava** and Krunal Patel (2016) “Micropropagation of *Corallocarpus epigaeus* (Arn.) Cl.- A Potential Antidiabetic Medicinal Plant” at three day 26th Annual conference of Indian Association for Angiosperm Taxonomy and international conference on “Conservation and sustainable

utilization of biodiversity”. 07-09 November 2016, organized by Department of Botany, Shivaji University, Kolhapur, India.

27. Kalpesh B Ishnava and Nisheet Bhoot (2017) “Anticariogenic activity of medicinally important essential oils against selected dental microorganisms” at three day 4th International congress of society for ethanopharmacology (SFE-India) conference on “Healthcare in 21st Century: Perspectives of Ethanopharmacology and Medicinal Plant Research”. 23-25, February 2017, organized by C.G.Bhakta Institute of Biotechnology and Maliba Pharmacy College, Uka Tarsadia University, Bardoli, Dist.Surat-394350, Gujarat, India.

28. Kalpesh B Ishnava and Krishna Patel (2018) “Medicinal and desert life support properties of *Opuntia elatior* Mill. fruits” at three day XXVIII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on “Conservation of Angiosperm Diversity: Hidden Treasure of Today and Tomorrow”. 29-31 October 2018, organized by Department of Botany, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara.

29. Siddhi K Patel and **Kalpesh B Ishnava** (2019) “Phyto-constituents and Medicinal Properties of Fruit Pulp and Peel of *Hylocereus undatus* (Haworth) Britton & Rose” at one day UGC National Conference on “Current Trends in Biological Sciences-III (CTBS-2018)”. February 11, 2019, organized by Post Graduate Department of Bioscience, Centre of Advanced Study, Sardar Patel University, Satellite Campus, Bakrol.

30. Kalpesh B Ishnava and Priya S. Konar (2019) “Evaluation of Anthelmintic Activity of *Corallocarpus epigaeus* (Arn.) Cl. Tuber Extracts” at three day 29th APSI Scientist Meet and International conference on “Drug Discovery and Development in Agrobiotechnology and Pharmaceutical Science” on 23rd -25th November, 2019 organized by Smt. N. M. Padalia Pharmacy College, Ahmedabad, Guajrat.

PARTICIPATION IN THE SYMPOSIA/CONFERENCE/SEMINAR :

1. Participated in Three days (17-19 April, 2002), National seminar on “**Ethno botany and Sacred Groves: Role in Conservation Strategy of India**” at Agrarkar Research Institute, Pune.

2. Participated in two days (26th & 27th Sep, 2002) XII Annual conference of IAAT & National Seminar On “**Plants Taxonomy in Nation Development**” at Department of Botany, Goa University, Goa- 403206.

3. Participated in two days (31st January and 1st February, 2003) National Symposium on “**Environmental Biotechnology and Biodiversity Conservation**” at Department of Biosciences, Sardar Patel University Vallabh Vidyanagar – 388120.
4. Participated in two days (27th & 28th February, 2004) **National Science Day Celebrations** held at the Department of Biosciences under the auspices of Association of Microbiologist of India (AMI) and Society of Biological Chemists (SBC), Vallabh Viyanagar Chapter.
5. Participated in the one day (23th September, 2007) National level Seminar on **New Horizons in Biological Sciences**, Organized by Department of Biological and Environmental Sciences, N. V. Patel college of Pure and Applied Sciences, Sardar Patel University, Vallabh Vidyanagar.
6. Participated in the one day (20th September, 2008) State level Seminar on **Current Trends in Environmental Sciences**, Organized by Department of Biological and Environmental Sciences, N. V. Patel college of Pure and Applied Sciences, Sardar Patel University, Vallabh Vidyanagar.
7. Participated in the one day (28th November, 2008) National level Seminar on **Passion to Mission in Molecular Biology**, Organized by Department of Biological and Environmental Sciences, N. V. Patel college of Pure and Applied Sciences, Sardar Patel University, Vallabh Vidyanagar.
8. Participated in the two day (27-28 February, 2009) National Conference on **Frontier in Biological Science**, Organized by B R D School of Bioscience, Sardar patel University, Vallabh Vidyanagar.
9. Participated in the one day (22nd February, 2009) National level Seminar on **Emerging Areas in Plant Science**, Organized by Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.
10. Participated in the one day (13th September, 2009) State level Seminar on **Importance of Trees in Conservation of Avian Diversity**, Organized by Department of Zoology, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.
11. Participated in the one day (19th December, 2009) National level Seminar on **New Frontiers in Life Science**, Organized by Department of Biological and Environmental Sciences, N. V. Patel college of Pure and Applied Sciences, Sardar Patel University, Vallabh Vidyanagar.
12. Participated in the one day (24th January, 2010) National level Symposium on "**Biotechnology Led Paradigm Shift-2010**" Organized by Ashok & Rita Patel Institute of Integrated Study & Research in Biotechnology and Allied Sciences (ARIBAS), New Vallabh Vidyanager.
13. Participated in the one day (14th February, 2010) Sate level Seminar on Vth GSA-VVN CSC Annual Science Meet "**Sci-Meet: 2010**" Organized by Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar.

14. Participated in the one day (21st March, 2010) **XXIV-Gujart Science Congress-2010** organized jointly by Gujarat University, Ahmedabad and Gujarat Science Academy, Ahmedabad.
15. Participated in the one day (26th March, 2010) National Seminar on” **Key Issues in Drafting and filing Patents of Relevance of Patent Act Provisions to Pharma Industry**” Organized by Gujarat industrial and Technical Consultancy Organization Ltd., Ahmedabad, Sardar Patel University and A.R. College of Pharmacy, Vallabh Vidyanagar.
16. Participated in the two day (9-10 June, 2010) National level seminar on " **Medicinal Plants: A Promising Resource of the Country**" Organized by Department of Biosciences, Veer Narmad South Gujarat University, Surat.
17. Participated in the one day (10th September, 2011) National symposium on “ Status, Challenges and Opportunities in Life Sciences” Organized by Ashok & Rita Patel Institute of Integrated Study & Research in Biotechnology and Allied Sciences (ARIBAS), New Vallabh Vidyanagar.
18. Participated in the one day (11th November, 2014) State level seminar on" **Opportunities and Current Status of Medicinal Plant Research**" Organized by Department of Biology & I.Q.A.C of V.P. and R.P.T.P Science College , Sardar Patel University, Vallabh Vidyanagar.
19. Participated in the one day (10th January, 2015) National level conference on" **Latest Developments in Basic and Applied Sciences**" Organized by M. B. Patel Science College, Anand-388001, Gujarat.
20. Participated in the one day (5th March, 2016) National Symposium on “**Exploring Advances in Biological Sciences (EABS-2016)**” at P.G. Department of Biosciences, Sardar Patel University, Satellite Campus, Vadtal Road, Bakrol-388315, Anand, Gujarat.
21. Participated in the one day (12th March, 2016) National Seminar on “**Competency Based Professional Education: Theory to Practice**” at Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar-388121, Anand, Gujarat.
22. Participated in the one day (20th January 2018) National Seminar on “**Spectral Interpretation on Different Spectroscopic Techniques**” at Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar-388121, Anand, Gujarat.
23. Participated in the one day (9th February 2018) National Conference on “**Current Trends in Biological Sciences-II (CTBS-2018)**” at P.G. Department of Biosciences, Sardar Patel University, Satellite Campus, Vadtal Road, Bakrol-388315, Anand, Gujarat.
24. Participated in the one day (3rd December, 2018) Seminar on “**The Role of IQAC in Institutional Development, Quality Sustenance and Empowerment** ” Organized by Ashok & Rita Patel Institute

of Integrated Study & Research in Biotechnology and Allied Sciences (ARIBAS), New Vallabh Vidyanagar.

25. Participated in the one day (March 09, 2019) National Seminar on “**Intelligent Drug Delivery System: The Game Changers in Therapeutics**” at Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar-388121, Anand, Gujarat.

RESEARCH PUBLICATIONS :

1. **A. S. Reddy, V. R. Rao, K. B. Anjaria & K. B. Ishnava (2002). The baobab: Making a Guest Feel at Home. Honey Bee. 13(1).**

2. **Kalpesh Ishnava (2002). Safed musali – Desai Viagara. Healthcare. 4:37.**

3. **A. S. Reddy, Kalpesh Anjaria and Kalpesh Ishnava (2002). Africa nu audbhut tree: Amaru kalpvruksha. Healthcare. 1: 36-38.**

4. **J. S. S. Mohan and Kalpesh Ishnava (2002). Lupta thati ausadhiy vanaspati - Safed musali ni Kheti. Gujarat Samachar. 15th December.**

5. **Kalpesh Ishnava (2004). Charutar Nu Puranu Vruksha: Rukhado. Journal of V-Vidyanagar. 390: 11- 12.**

6. **Ishnava Kalpesh, V. Rama Rao, F. M. Parabia, I. L. Kothari and M. H. Parabia (2004). Ethnobotany of Little Rann of Kachchh, Gujarat. Ethnobotany. 16: 40 – 43.**

7. **Kalpesh Ishnava, V. Rama Rao, J. S. S. Mohan, I. L. Kothari and F. M. Parabia (2005). Occurrence of a rare medicinal Plant - *Schweinfurthia Papilionacea* A. Br. (Scrophulariaceae) in Gujarat. Journal of Economic & Taxonomic Botany. 29 (1):192 – 197.**

8. **J. S. S. Mohan, Sonal Sharma, Yogesh Mahida and Kalpesh B Ishnava (2006). Spectrum of antibacterial activity possessed by petals of some Indian plants. Journal of Medicinal & Aromatic Plant Sciences. 28 (4): 557- 561.**

9. **Kalpesh Ishnava and J. S. S. Mohan (2007). Interspecific variation in isozymes of *Commiphora wightii* (Arn.) Bhandari: A Traditional hypocholesteremic medicinal shrub of India. Journal of Herbs, Species and Medicinal plants. 13 (2): 25-40.**

10. **Kalpesh Ishnava and J. S. S. Mohan (2008). Study of Genetic Diversity of *Tribulus terrestris* L. (Zygophyllaceae) - Medicinal herb, from Gujarat, India. Journal of Medicinal and Aromatic Plant Sciences (JMAPS). 30:105-108.**

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12. **Kalpesh Ishnava**, V. Rama Rao, M. H. Parabia, I. L. Kothari and J. S. S. Mohan (2008). Plant diversity and its present status in Little Rann of Kachchh, Gujarat. **Journal of Economic & Taxonomic Botany**. 32(2): 302-310.
13. **Kalpesh Ishnava** and J. S. S. Mohan (2009). Assessment of genetic diversity in medicinal climber of *Tinospora cordifolia* (Willd.) Miers (Menispermaceae) from Gujarat, India. **Asian Journal of Biotechnology**. 1(3): 93-103.
14. **Kalpesh B. Ishnava**, Yogesh N. Mahida and J. S.S. Mohan (2010). *In vitro* assessments of antibacterial activity of ethno medicinal plant: *Commiphora wightii* (Arn.) Bhandari. Gum extract. **International Journal of Pharmacognosy and Phytotherapy**. 2(7): 91-96.
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16. **Kalpesh. B. Ishnava**, K.H. Chauhan and C.A. Bhatt (2011). Screening of antifungal activity of various plant leaves extracts from Indian plants. **Archives of Phytopathology and Plant Protection**. 45 (21): 1-9.
17. **Kalpesh B Ishnava**, Jenabhai B Chauhan, Akanksha A Garg and Arpit M Thakkar (2012). Antibacterial and phytochemical studies on *Calotropis gigantea* (L.) R. Br. Latex against selected cariogenic bacteria. **Saudi Journal of Biological Science**. 19:87-91.
18. **Kalpesh Ishnava**, Tejas Patel and Jeenabhai B Chauhan (2012). Study of Genetic Transformation of Medicinal Plants, *Withania somnifera* (L.) Dunal by *Agrobacterium tumefaciens* (MTCC – 431). **Asian Journal of Experimental Biological Sciences**. 3(3): 536-542.
19. **Kalpesh B Ishnava**, Jenabhai B Chauhan, Jignya B Kachhiya and Nikita R. Patel (2012). Screening and evaluation of ethano-botanical plants for their efficacy against cariogenic bacteria. **Journal of Medicinal and Aromatic Plant Sciences (JMAPS)**. 34(1-2):57- 62.
20. **Kalpesh B Ishnava**, Jenabhai B Chauhan and Mahesh B Barad (2013). Anticariogenic and phytochemical evaluation of *Eucalyptus globules* Labill. **Saudi Journal of Biological Science**. 20:69-74.

21. Samir A Anuj and **Kalpesh B Ishnava (2013)**. Plant mediated synthesis of silver nanoparticles by using dried stem powder of *Tinospora cordifolia*, its antibacterial activity and comparison with antibiotics. **International Journal of Pharma and Biosciences**. 4(4): 849 – 863.
22. Meghna P Patel and **Kalpesh B Ishnava (2014)**. *In vitro* study of *Tinospora cordifolia* (Willd.) Miers (Menispermaceae)- a multipurpose plant, by using different plant bark extracts for secondary metabolites production. **Journal of Herbs, Species and Medicinal plants**. Vol. 20 : 341-349.
23. Mahesh K Barad, **Kalpesh B Ishnava** and Jenabhai B Chauhan (2014). Anticariogenic activity and phytochemical studies of crude extracts from some Indian plant leaves. **Journal of Intercultural Ethanoparmacology**. 3(2):85-90.
24. **Kalpesh B Ishnava** and Pankit P Shah (2014). Anticariogenic and hemolytic activity of selected seed protein extracts *in vitro* condition. **Journal of Dentistry, Tehran University of Medical Sciences**. 11(5):576-586.
25. Hiral Soni, **Kalpesh Ishnava** and Khushal (2014). Anticariogenic activity and hemolytic study of some medicinal plants leaf extract against six oral pathogen in *in vitro* condition. **International Journal of Applied Sciences and Biotechnology**. 2(3):253-259.
26. Khushal Patel, **Kalpesh Ishnava** and Hiral Soni (2014). Biopesticide formulation for plant growth regulation and anti-mealy bug-borer activity of Brinjal (*Solanum melongena* L.) or egg plant. **International Journal of Recent Research and Review**. 4(7):7-15.
27. **Ankita R.Patek and Kalepsh B Ishnava (2015)**. *In vitro* multiplication from nodal explants of *Coccinia grandis* (L.) Voigt. and it's antidiabetic and antioxidant activity. **Asian Journal of Biological Sciences**. 8(2): 1-15.
28. **Kapesh Ishnava**, Ruchi Kotadia and Sandip Patel (2015). Nutritional properties and chemical composition of *Corallocarpus epigaeus* (Arn.) Cl: As remedy to control Diabetes mellitus. **Chiang Mai Journal of Science**. 42(4): 806-815.
29. Mehul G Patel, **Kalpesh B Ishnava (2015)**. *Momordica dioica* Roxb. (Spine Gourd): Multiple shoot induction from nodal cultures and itsantidiabetic activity. **Journal of Medicinal Plants Studies**. 3(6): 82-88.
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31. Vandana Bharthi, Kavya B, Shantha TR, Prathapa Reddy M, Kavya N, Rama Rao V, **Kalpeshkumar B Ishnava**, Venkateshwarlu G (2015). Pharmacognostical evaluation and phytochemical studies on ayurvedic nutritional fruits of *Trapa natans* L. **International Journal of Herbal Medicine**. 3(5): 15-19.

32. Indrani Bhattacharyaa, **Kalpesh Ishnava**, Jenabhai Chauhana (2016). *In Vitro* Anticariogenic activity of some Indian medicinal plants towards human oral pathogen. **Asian Journal of Traditional Medicines. 11(4):88-98.**
33. **Kalpesh B Ishnava** and Jenabhai B Chauhan (2016). Role of plant secondary metabolites in dental caries. **Quest. 4(1): 8-12.**
34. Nisheet Bhoot and **Kalpesh B. Ishnava** (2016). Antimicrobial activity of medicinally important essential oils against selected dental microorganisms. **Int. J. Curr. Microbiol. App. Science. 6(6): 1562-1575.**
35. Daxa Rajput and **Kalpesh Ishnava** (2017). Anticariogenic Activity of some Indian medicinal plants. **European Journal of Dentistry and Medicine.1(1):1-8.**
36. **Kalpesh B Ishnava** (2018). Role of herbal medicine in dental health. **Journal of Environmental Chemistry and Toxicology. 2(1):41-42.**
37. Shweta N Shouche and **Kalpesh B Ishnava** (2018). Screening of herbal formulation for anticariogenic activity. **Journal of Medicinal Plants Studies. 6(1): 243-249.**
38. Pratik Trivedi, Jenabhai Chauhan and **Kalpesh Ishnava** (2018). *In vitro* assessment of inhibition potential of ethanomedicinal plants against cariogenic bacteria. **Acta Scientific Microbiology. 1(6):43-49.**
39. **Ishnava KB** and Motisariya DM (2018). *In-vitro* study on α -amylase inhibitory activity of selected ethno-botanical plant extracts and its herbal formulations. **International Journal of Pharmacognosy and Chinese Medicine. 2(3): 000136.**
40. Jeemeesh P Patel, **Kalpeshkumar B Ishnava**, Ritu B Dixit (2018). Evaluation of antifungal effects and seed growth using bio-formulation. **International Journal of Botany Studies. 4 (39):16-20.**
41. Bhumika R. Gehloth and **Kalpesh B. Ishnava** (2018). Evaluation of probiotic candidate in combination with tuber extracts from *Corallocarpus epigaeus* (Arn.)Cl. for assessment of *in vitro* alpha amylase inhibition activity. **International Journal of Microbiology, Biotechnology and Food Sciences. 8(3):863-866.**
42. Siddhi K Patel and **Kalpesh B Ishnava** (2019). *In-vitro* Antioxidant and Antimicrobial activity of Fruit Pulp and Peel of *Hylocereus undatus* (Haworth) Britton and Rose. **Asian Journal of Ethnopharmacology and Medicinal Foods. 5(2):30-34.**
43. Parmar B and **Ishnava KB** (2019) Exploring of anticariogenic activity of herbal formulation from selected five medicinal plants leaves. **International Journal of Pharmacognosy and Chinese Medicine. 3(4): 000186.**

- 44. Kalpesh B Ishnava** and Priya S Konar (2020) *In vitro* anthelmintic activity and phytochemical characterization of *Corallocarpus epigaeus* (Rottler) Hook. f. tuber from ethyl acetate extracts. **Bulletin of the National Research Centre. 44: 33.**
- 45.** Megha S Parekh and **Kalpesh B Ishnava** (2020) Antimicrobial and hemolytic activity of seed protein extracts from selected medicinal plants against tooth decaying microorganisms. **International Journal of Research Studies in Microbiology and Biotechnology. 6(1): 38-48.**
- 46.** Kalpesh B. Ishnava and **Karishma S. Patel** (2020) *In vitro* study of *Praecitrulus fistulosus* (Stocks) Pangalo (Cucurbitaceae) fruit – A potential candidate of Anthelmintic activity. **Bulletin of the National Research Centre. 44: 130.**

BOOK CHAPTER :

1. Krishna N. Patel and **Kalpeshkumar B. Ishnava** (2018) Evaluation of Nutritional and Medicinal Properties of *Opuntia elatior* Mill. In book: Phytochemicals - Source of Antioxidants and Role in Disease Prevention edited by Toshiki Asao and Md Asaduzzaman. Chapter-8;Pp.121-138.DOI:10.5772/intechopen.77081. Published: November 7th 2018; ISBN: 978-1-78984-378-1; Print ISBN: 978-1-78984-377-4.
2. Disha M Patel, Jenabhai B Chauhan and **Kalpesh B Ishnava** (2019) Studies on the Anticariogenic Potential of Medicinal Plant Seed and Fruit Extracts. In Book: Natural Oral Care in Dental by *Ediotrs:* Dr. N S Chauahn, Dr. Kamal Shah, Durgesh Nandini Chauhan. Chapter-5.Pp.83-96. Published by Scrivener Publishing LLC., 100 Cummings Center, Suite 541J, Beverly, MA . and Copublisher by Wiley, USA. LCCN 2019050429 (print) | LCCN 2019050430 (ebook) | ISBN 9781119614227 (cloth) | ISBN 9781119618935 (adobe pdf) | ISBN 9781119618904 (epub).
3. Karishma I. Sheikh and **Kalpesh B. Ishnava** (2020) Biosynthesis of Silver Nanoparticles from *Acacia nilotica* (L.) Wild. Ex. Delile Leaf Extract. In book: Green Synthesis of Nanomaterials for Bioenergy Applications edited by Neha Srivastava, Manish Srivastava, P. K. Mishra, Vijai Kumar Gupta. Chapter-5: Pp.145-163. Published: 17th August, 2020; Published by John Wiley and Sons, Inc.,111 River Street, Hoboken, NJ07030 USA and Scrivener Publishing LLC, 100 Cummings Centre, Suite541J, Beverly, MA, 01915, USA. Print ISBN: 9781119576815, Online ISBN: 9781119576785. DOI: 10.1002/9781119576785.

RESOURCE PERSON:

1. “Science Camp under Inspire Internship Scheme” Sponsored by Department of Science and Technology, Govt. of India, New Delhi and Organized by ARIBAS, New Vallabh Vidyanagar from 28th November to 2nd December 2015.
2. “Science Camp under Inspire Internship Scheme” Sponsored by Department of Science and Technology, Govt. of India, New Delhi and Organized by ARIBAS, New Vallabh Vidyanagar from 13th June to 17th June, 2016.
3. Vidyarthi Vigyan Manthan 2017 for State level camp (Level-II), Gujarat of Vidyarthi Vigyan Manthan- Indian Largest Science Talent Search for New India Using Digital Devices (VVM)2017-18, Organised by Vijnana Bharati (VIBHA) in association with Vigyan Prasar, Department of Science and Technology, Govt. of India and National Council of Education Research and Training (NCERT), Ministry of Human Resource Development, Govt. of India held on Sunday, 15th April, 2018 at Ashok and Rita Patel Institute of Integrated study and Research in Biotechnology and Allied Sciences, New Vallabh Vidyanagar, Gujarat. Evaluator for State level camp (Level-II) is scheduled on Sunday, Sunday, 15th April, 2018.
4. Six days GSBTM sponsored TY CBC Crash Workshop organized by N-BT-CBC MUIS-GNU from 17th to 22th December, 2018 at Mehsana Urban Institute of Sciences, Ganpat University, Mehsana. Lecture on the topic “Plant Biotechnology” is scheduled on 22nd Dec. 2018.
5. Vidyarthi Vigyan Manthan 2018 for State level camp (Level-II), Gujarat of Vidyarthi Vigyan Manthan- Indian Largest Science Talent Search for New India Using Digital Devices (VVM)2018-19, Organised by Vijnana Bharati (VIBHA) in association with Vigyan Prasar, Department of Science and Technology, Govt. of India and National Council of Education Research and Training (NCERT), Ministry of Human Resource Development, Govt. of India held on Sunday, 20th January, 2019 at Natubhai V. Patel College of Pure and Applied Science, Near Mota Bazar, Vallabh Vidyanagar, Gujarat. Evaluator for State level camp (Level-II) is scheduled on Sunday, 20th January, 2019.
6. Six days GSBTM sponsored CSIR-NET Crash Course organized by PG-BT-CBC ARIBAS, New Vallabh Vidyanagar, Gujarat from 04th to 09th December, 2019 at Ashok and Rita Patel Institute of Integrated study and Research in Biotechnology and Allied Sciences (ARIBAS), New Vallabh Vidyanagar, Gujarat. Lecture on the topic “Plant Biotechnology” is scheduled on 09th December, 2019.

7. Ten days GSBTM sponsored TY CBC Crash Workshop organized by N-BT-CBC MUIS-GNU from 18th to 28th December, 2019 at Mehsana Urban Institute of Sciences, Ganpat University, Mehsana. Lecture on the topic “Plant Biotechnology” is scheduled on 22nd Dec. 2019.

SCIENTIFIC COMMITTEES:

1. Scientific Advisory Committee – Cutting edge and promising research in pharmaceuticals, National symposium, December 18th, 2010, ARIBAS, Sardar Patel University, New Vallabh Vidyanagar, Anand, Gujarat, India.
2. Steering committee – Exploring the horizons of IPR: A national level symposium, 26th February 2011, ARIBAS, Sardar Patel University, New Vallabh Vidyanagar, Anand, Gujarat, India.
3. Committee member – The 2017 International conference on biological engineering and pharmaceutical research (BEPR2017), December 15th – 17th, 2017, Wuhan, China.
4. Science committee member – Global summit and expo on oral and dental health -2018, April 2 – 4, 2018, Dubai.
5. Organizing committee member - One day (3rd December, 2018) Seminar on “The Role of IQAC in Institutional Development, Quality Sustenance and Empowerment” Organized by Ashok & Rita Patel Institute of Integrated Study & Research in Biotechnology and Allied Sciences (ARIBAS), New Vallabh Vidyanagar.
6. Science committee member- International Conference on BioMedical Sciences (ICBMS19) 27-28 September 2019, Istanbul, Turkey.
7. Science committee member - Online International Conference on LIFE SCIENCES (BIOMEDICAL, NUTRITION and AGRICULTURAL APPROACH), ICLS20 (19-20, DECEMBER 2020), Istanbul, Turkey.

KEY NOTE SPEAKERS:

1. Online International Conference on Life Sciences (ICLS-20) on Dec 19-20, 2020 organized by GREEN (Global Research, Education and Event Network) and with the scientific support of Akdeniz University (Antalya, Turkey). Key note speakers on the topic “*Corallocarpus epigaeus* (Arn.) Cl: A Potential Tuber for Nutraceutical Industry” on 19th December, 2020.

CHAIR PERSON:

1. Co-chair person in oral and poster presentation at XXVIII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on “Conservation of Angiosperm Diversity: Hidden Treasure of Today and Tomorrow”. 29-31 October 2018, organized by Department of Botany, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara.

PROJECT COMPLETED: 01

Gujarat Council on science And Technology (GUJCOST), Gandhinagar in Student Sci-Tech Project Scheme (No.GUJCOST/SSP/201475/2009-10/2697. 18th January, 2010) under the title” Production of secondary metabolites from *Withania somniferum* (L.) Dunal roots through hairy root culture technique and molecular characterization”.

LIFE MEMBERSHIP:

1. Life member of Indian Association for Angiosperm Taxonomy (IAAT)
2. Life member of Indian Science Congress Association (ISCA)
3. Life member of Medicinal and Aromatic Plant Association of India (MAPAI)
4. Life member of Society of Applied Biotechnology (SAB)

ACADEMIC:

- ❖ Involved in establishment and strengthening of medicinal garden and plant tissue culture lab
- ❖ Has been actively involved in the preparation and framing of syllabus in the college and Sardar Patel University.
- ❖ Conducting the vocational training programme organized.
- ❖ Has been actively involved in organized the industrial tour for industry exposure.
- ❖ Has been actively involved in admission process.
- ❖ Involved in the different stream of the students visiting the industry and filed exploration time to time.

TEACHING & RESEARCH :

- ❖ Has involved in framing the syllabi for M.Sc. Botany and Biotechnology courses present day needs of the students.
- ❖ I am also involved in Ms. Sc students last semester for dissertation work.

- ❖ Has involved in the different national and international journal of reviewer like Journal of Medicinal plant Research, Journal of Biological Sciences, Journal Food and Agriculture Sciences, Journal of Pharmaceutical Biology etc.
- ❖ Has involved in the identification of the plant specimen and medicinal plants
- ❖ Has involved in the conservation of biodiversity as specially interested in medicinal plants and plant taxonomy
- ❖ Conducting the vocational training programme like Horticulture, Plant Tissue Culture and Composting

EXPERIENCE IN GUIDING POST GRADUATES STUDENTS FOR DISSERTATIONS/PROJECT:

As a Guide for Dissertation: 65

As a Co-guide for Dissertation: 07

CERTIFICATE AND AWARDS:

1. Hindi Phalli (Second Class) (Certificate No: 7634, Gujarat Vidyapith) passed on 1984
2. Primary Drawing Level Examination (Class-Ka)(Seat No:37, Gujarat State Examination Board) passed on 1986
3. Attended Certificate on Annual Training Camp during 11-05-1987 to 20-05-1987 at Dharmaj (4 GUJARAT BN NCC VVNAGAR) (ARMY WING)
4. Attended Certificate on Annual Training Camp during 03-07-1987 to 12-07-1987 at Dahod (4 GUJARAT BN NCC VVNAGAR) (ARMY WING)
5. Passed the NCC –A (1988) Certificate(4 GUJARAT BN NCC VVNAGAR) (ARMY WING)
6. Attended Certificate on Annual Training Camp during 22-09-1995 to 03-10-1995 at Dahod (NCC Directorate Gujarat, Ahmadabad) (ARMY WING)
7. Adjudged Participated Certificate on in Guard of Honour Competition on 20-12-1995, V.V.NAGAR
8. Passed the NCC –B (1996) Certificate (ARMY WING) (13GUJARAT BN NCC VVNAGAR)
9. Passed the NCC –C (1998) Certificate (ARMY WING) (13GUJARAT BN NCC VVNAGAR)

10. Certificate of Honour for completing 10000 mts. run at the inter collegiate athletic championship-1995-96 in Sardar Patel University
11. Certificate of Honour for completing 5000 mts. run at the inter collegiate athletic championship-1995-96 in Sardar Patel University
12. Certificate of Honour for represented the university as a player in the west zone interuniversity basketball tournament -1995-96 in Sardar Patel University
13. Certificate of Honour for being the member of winner team in the inter collegiate basketball tournament-1995-96 in Sardar Patel University
14. Certificate of Honour for champion college basketball team player for the year 1995-96 in V.P.& R.P.T.P. Science College
15. Certificate of Honour for Best Cadet (boys wings) for the year 1997-98 in V.P.& R.P.T.P. Science College
16. Souvenir certificate for represented kheda district as player and participated in Sardar Patel Open Gujarat State Basketball Chamionship heald at VVNAGAR from 08-12-1999 to 12-12-1999.
17. Certificate of Honour for representing S. P. University in Basket ball in the year 1998-99 in V.P.& R.P.T.P. Science College
18. Certificate of Honour for represented the university as a player in the west zone interuniversity basketball tournament -1998-99 in Sardar Patel University
19. Certificate is awarded for securing winner prize in departmental cricket event during the year 1999-2000
20. Certificate for participation in science exhibition arranged in college during Golden Jubillee Year (1996) Celebrations'
21. SPUBS (Sardar Patel University Biological Society) during the year 1999-2000 in the capacity of class representative botany (M. Sc -Previous)
22. Awarded for the active participation in SPUBS activities for the academic year 2002-2003
23. Awarded for the being treasurer of SPUBS the academic year 2004-2005
24. Certificate has participation in Slogan competition in "WILDLIFE WEEK CELEBRATION" organized by the community Science Centre from 2th to 8th October, 2005 in collaboration with Department of Biosciences, Gujarat Forest Department, Anand Division and Vidyanager Nature Club.

25. Certificate has participation in World Photography Day competition on Life and Environment of Charotar during 19th to 21th August, 2005 organized by Ipcowala Santram College of Fine Arts, Vallabh Vidyanager.
26. Second prize in Poster presentation at 3rd convention of BRSI and International conference on “Exploring Horizons in Biotechnology: A Global Venture” in 2006.
27. Best Adjudged Research Paper in Plant Sciences for the year 2007-2008 in the subject of Plant Science for the award of Dr. C. K. Shah Award in Sardar Patel University.
28. Fellow of the Indian Association for Angiosperm Taxonomy (FIAAT) in 2011 for his contribution in the field of Angiosperm Taxonomy
29. Best Research paper award during the academic year 2008-09 from Ashok & Rita Patel Institute of Integrated Study & Research in Biotechnology and Allied Sciences (ARIBAS)
30. Fellow of Society for Applied Biotechnology in recognition of his outstanding achievements and contribution to the field of Plant biotechnology
31. Prof. T.R. Sahu award for the best paper presentation in medicinal plant systematic at the annual conference of the IAAT (Indian Association for Angiosperm Taxonomy) of the year 2012
32. First Prize in Best oral presentation at 16th National convention of society of pharmacognosy and international symposium on herbal and traditional medicine in 2012
33. Best research paper award from Asian Journal of Experimental Biological Sciences (Society of Applied Sciences) for Vol.3 (3) 2012, July, 2012.
34. Gaurave purskar from Charutar Vidyamandal (CVM) at the Vallabh Vidyanagar 68th foundation day on 3th March, Sunday, 2013.
35. 3rd Prize winner of epservices online quiz at the Eppendorf India Limited, Ambattur, Channai-600058.