



Dr. D. Y. Patil Biotechnology
and Bioinformatics Institute

Mumbai- Bangalore High way, Tathawade, Pune 411 033.
Mail : info.biotech@dpu.edu.in, Website: biotech.dpu.edu.in

Dr. Minal Wani

Designation : Professor

Email ID : minal.wani@dpu.edu.in

Qualification : M.Sc., Ph.D.

Area of Specialization: Plant physiology, Plant Biotechnology

Academic qualification:

Ph. D Botany (Plant Physiology), Sardar Patel University, Gujarat, India.

Topic “Physio-biochemical studies of senescence and ageing of flower and flower parts of some ornamental & vegetable flowers.” (1994-1997)

M. Sc. Botany, Sardar Patel University, Gujarat, India (1992 – 1994) (Gold Medalist)

B.Sc. Botany, Mahatma Gandhi University, Kerala, India., India (1987 –1990)

Employment History:

1. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune, India: Professor, (March 2018).

2. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune, India: Associate Professor, (2010- 2018).

3. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune, India: Assistant Professor, (2005- 2010).

4. Padmashree Dr. DY Patil A C S College, Pimpri, Pune, India , (University of Pune) : Lecturer (2004 -2005)

5. Private educational Institutes at Pune, India : Lecturer (2001 -2003)

6. Valplus Biotech Ltd., (Floriculture Project) Pune, India: Project Executive, (1997-2000)

7. Sardar Patel University, Gujarat, Pune, India, Research Scholar (1994- 1997)

Courses taught: *Plant physiology, Plant Tissue culture, Agriculture Biotechnology, Advances in Biotechnology, Cell Biology, Molecular Biology, Environmental Biotechnology, Developmental Biology, Biochemistry and Basic Sciences.*

Awards and Positions:

- 2007-2013 : Head of Plant & Animal Tissue culture and Environmental Sciences Department. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune.
- 2005-present : Member, Board of studies in Biotechnology, Dr. DY Patil University, Pune, India.
- 2010- present : Member, Faculty of Biotechnology and Bioinformatics, Dr. DY Patil University, Pune, India.
- 2007-2010 : Member, University advisory committee, Dr. DY Patil University, Pune, India.
- 2008-Present : Member, University complaints committee, Dr. DY Patil University, Pune, India.
- 2010-2013 : Member, Academic Council, Dr. DY Patil University, Pune, India.
- 2010 : Recognized Research Guide, Dr. DY Patil University, Pune, India.
- 2009-2010 : Member, Board of management, Dr. DY Patil University, Pune, India.
: Ph. D Thesis Examiner, Allahabad Agricultural Institute, Deemed University, University of Mumbai
- 2009-
- 2008 : Advisory member, Sairam Trust, Ahmedabad.
- 2008 : Member, Academy of Plant Sciences India.
- 2009 : Member, Indian society of Plant Physiology
- 1994-1997 : UGC Project Fellow for Research.
- 1994 : Ranchodbhai Madhavbhai Patel Gold Medal for Securing University 1st Rank in M. Sc. Botany.
: Represented Mahatma Gandhi University Kerala, for National Integration camp
1988 organized by SNTD University, Bombay.
- 1988 : Help age India Certificate for contributions in National literary mission
- 1985-1990: National Service Scheme Volunteer and group leader
- 1984 : 1st Class Guide

Research Publications:

1. Vishakha S. Shivsharan, **Minal Wani**, 2017. ***Anaerobic-Aerobic Activated Sludge Treatment to Dairy Effluent***, Res J Pharm Biol Chem Sci, **8(3): 2303-2307**. (Impact factor 0.27, UGC approved journal)
2. Vishakha S. Shivsharan, **Minal Wani**, 2017. Anaerobic-aerobic Activated Sludge Treatment followed by Phytoremediation to Dairy Effluent, Int. J. of Biotechnology and Biochemistry 13 (1): 67-72 (UGC approved journal).
3. **Yashwant G Chavan, Sharad R Pawar, Minal Wani, Amol D Raut, and Rabindra N Misra, 2017.** Hepatitis B Virus DNA polymerase gene polymorphism based prediction of genotypes in chronic HBV patients from Western India. *African Health Sciences*, 17(3): 762-772 (Impact factor 0.66)
4. **Yashwant G Chavan, Sharad R Pawar, Minal Wani, Amol D Raut, and Rabindra N Misra , 2017.** *A Multiplex Snapshot Assay for Rapid and Simultaneous Detection of Major HBV Drug Resistance*

- Mutations Along with Precore (Pre-C) and Basal Core Promoter (BCP) Mutations. Res J Pharm Biol Chem Sci, 8(2), 2410-2418. (Impact factor 0.35)*
5. Mahadev Chothe, P. K. Selvi, **Minal wani**, 2016. Comparative in vitro growth response of gerbera plantlets developed on liquid and solidified culture medium. *Advances in Plant Sciences*, 29(1): 111-115. (Impact factor: NAAS: 2.73)
 6. Astha Jain, Vidya Kad, Dinesh Labade, **Minal Wani**, 2016. In vitro antibacterial activity of solvent extracts of Zingiber officinale Rosc. rhizome on different microorganisms. *Int. J of Advance Research in Science and Engineering*, 5(12): 283-289. IJARSE (E-ISSN: 2319-8354), (P-ISSN: 2319-8346) (Impact factor: NAAS: 2.83)
 7. Acharya A, Vaniawala S, Parekh H, Misra RN, **Minal Wani** and Pratap N Mukhopadhyaya, 2016. Human Immunodeficiency Virus: Discovery to Drug Resistance - A Review Update. *Biol Syst Open Access* 5(1): 154. doi:10.4172/2329-6577.1000154
 8. Jyoti A. D, Ashish G, Dinesh S. L, Madhukar B. K, **Minal P. W**, 2015. In vitro Induction and Proliferation of Adventitious roots and Estimation of Plumbagin content from *Plumbago auriculata* Lam. *Adv. Biores.*, Vol 6 [6] November 2015: 141- 147. (Impact factor 0.971).
 9. Jyoti Deshpande, Manish Bodas, **Minal Wani**, Madhukar Khetmalas, 2015. Plumbagin: A Potential Drug Candidate For Treatment Of Oral Cancer. *Trends in Life sciences*, 4(4): 773- 777.
 10. Deshpande J, Labade D, Shankar K, Kata N, Chaudhari M, **Wani M**, Khetmalas M. (2014). In vitro callus induction and estimation of plumbagin content from *Plumbago auriculata* Lam. *Indian J Exp Biol.* 52 (11):1122-7 (Impact factor **0.753**)
 11. Namde H., **Minal Wani** (2014). Callus induction studies and comparison of active components from callus and plant leaves of *Tecoma stans*. *Res J Pharm Biol Chem Sci* 5(2):604-10 (Impact factor 0.35)
 12. Arpan Acharya, Salil Vaniawala, Parth Shah, Harsh Parekh, Rabindra Nath Misra, **Minal Wani** and Pratap N Mukhopadhyaya (2014). A robust HIV-1 viral load detection assay optimized for Indian sub type C specific strains and resource limiting setting. *Biological Research (BioMed Central)*, 47:22. (Impact factor 1.13)
 13. Arpan Acharya, Salil Vaniawala, Parth Shah, Rabindra Nath Misra, **Minal Wani** and Pratap N Mukhopadhyaya (2014). Development, Validation and Clinical Evaluation of a low cost in-house HIV-1 drug resistance genotyping assay for Indian patients. *PLOS ONE*, 9(8) e105790. (Impact factor 3.8)
 14. Arpan Acharya, Salil Vaniawala, Harsh Parekh, Anju Nagee, Rabindra N. Misra, **Minal Wani** and Pratap N. Mukhopadhyaya (2013). Distinct Geographical Clustering of HIV-1 and a Signature Amino Acid at Position 41 of the p24 Unveiled by gag Variability in India. *Current HIV Research (Bentham Science)*. 11(4), 295-303. (Impact factor 2.033)
 15. Vishakha Sukhadev Shivsharan, S W Kulkarni and **Minal Wani** (2013). Physicochemical Characterization of Dairy Effluents. *International Journal of Life Sciences Biotechnology & Pharma Research*. 2(2): 182-191
 16. Vishakha S. Shivsharan, **Minal P. Wani**, Suhas W. Kulkarani (2013). Isolation of Microorganism from Dairy Effluent for Activated Sludge Treatment. *International Journal of Computational Engineering Research* 3(3): 161-167. (IF **1.145**)
 17. VS Shivsharan, M Wani, MB Khetmalas (2013). Characterization of dairy effluents by physicochemical parameters, *British Biotechnology Journal* 3 (4), 575-579.
 18. Vishakha Sukhadev Shivsharan, **Minal Wani** and M. B. Khetmalas (2013). Isolation of Microorganisms from Dairy Effluent. *British Microbiology Res. J.* 3(3) : 346-354

19. **Minal Wani**, Aparna Sharma, Jyoti Deshpande, Siji Mathew, and MB Khetmalas, (2013). Qualitative Phytochemical Screening of Three Indigenous Medicinal Plants. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 4(1): 287-291. (Impact factor 0.35)
20. **Minal Wani**, Faizan Ali Sarvar, Juhi Agrawal, Jyoti Deshpande, Siji Mathew, Madhukar Khetmalas, (2012). Qualitative phytochemical analysis and antimicrobial activity studies of *Gymnema sylvestre* R. Br., Acta Biologica Indica, 1(1):121-124
21. **Wani M.**, Saha S., Bidwai J. and Khetmalas M. (2012) Changes in Carbohydrate Levels and Associated Enzyme Activities during Post Harvest Vase Life of *Gerbera jamesonii* Cv. Danalin Flowers as Influenced by Mineral Salts. Journal of Horticulture Letters, ISSN: 0976-9943 & E-ISSN: 0976-9951, Volume 2, Issue 1, pp.-08-11.
22. **Minal Wani** and Snehal Pande, (2012). Phytochemical Analysis and Antimicrobial Activity of Crude Extract of *Tridax procumbens* Leaves. Sustainable use of Medicinal Plants Ed. R. N. Pati, Abhijeet Publications, India.
23. Snehal Pande, **Minal Wani** and Madhukar Khetmalas, (2012). Callus induction Studies on *Stevia* and antimicrobial screening of leaf extracts. Sustainable use of Medicinal Plants Ed. R. N. Pati, Abhijeet Publications, India.
24. Snehal Pande, **Minal Wani** and Madhukar Khetmalas, (2011). Callus induction Studies on *Stevia* and antimicrobial screening of leaf extracts. South Asian Journal of Experimental Biology, 1 (4): 208-211
25. **Minal Wani**, Snehal Pande and Nitin More (2010). Callus Induction Studies in *Tridax procumbens* (L). Int. J. of Biotech. Applications, 2(1): 11-14. (Citations 18)
26. Lucy Joseph, K. V. Satish Kumar and Mehta P. M. (1996): Effect of growth regulators and chemical treatments on post harvest life of *Ixora coccinea* and *Vinca rosea* flowers. Ad. Plant Sci. 9 (2). 187-193
27. Mehta P. M., K. V. Satish and Lucy Joseph (1998): Some Biochemical changes during development and senescence of *Vinca rosea* and *Ixora coccinea* flowers. Ad. Plant. Sci 11(2) : 309-312
28. Mehta P. M., K. V. Satish Kumar and Lucy Joseph (1999): Effect of mineral salts and growth regulatory substances on some biochemical changes during senescence in *Ixora* and *Vinca* flowers. Ad Plant Sci. 12(II):393-400.

Technical Abstracts/Oral/Poster presentations:

1. Minal Wani and Mehta P.M. 2008. Effect of chemical treatments on some physiological changes during post harvest life of cut flowers of *Rosa hybrida* L. cv. Gladiator. National Conference on Perspectives & present scenario in plant science research & 17th APSI scientists meet. Institute of Science, Mumbai. 20-21st Nov, 2008.
2. Snehal Pande, Minal Wani and M. Khetmalas. 2008. Callus induction from leaf explants of *Stevia*. State level conference on Roadmap for Biotechnological Research in Maharashtra, MPKV. Rahuri. 27th Sept.2008.
3. Minal Wani, Snehal Pande, Nitin More, Ritu Singh and Suchi Desai. 2009. Callus Induction Studies In a Weed Plant *Tridax procumbens* (Linn.). First symposium on Trends and advancement in Life Sciences, IISc Bangalore, 27-28 Nov, 2009.
4. Minal Wani, Snehal Pande and Ujjwal Fultambkar. 2009. Study on effect of salinity on in vitro

growth and some physiological parameters of various rice (*Oryza Sativa* L.) cultivars, National conference on "Frontiers in Plant Physiology towards Sustainable Agriculture", AAU, Jorhat, Assam. 5 - 7 Nov, 2009.

5. Sahely Saha, Anubhakumari, Amrita Singhar, Jyoti Bidwai and Minal Wani. 2009. Changes in carbohydrate levels and associated enzyme activities during post harvest vase life of *Gerbera jamesonii* cv. Danalin flowers as influenced by mineral salts. National Conference on Plant Sciences: Diversity, Products & Environmental Planning, Ranchi. 11-12 Oct. 2009.
6. Minal Wani, Snehal Pande, Nitin More, Shikha Sharma and Dhvani Kothari. 2010. Phytochemical Analysis and Antimicrobial Activity of Crude Extract of *Tridax procumbens* Leaves. International Conference on conservation, Marketing and patenting of medicinal Plants, (ICCMP), Raipur, Chhattisgarh, 13-14, March 2010.
7. Jyoti Deshpande, Minal Wani, Snehal Pande, Rashi Gupta and Pallavi Thakral. 2010. Studies on callus induction and inhibitory effect of *Azadirachta indica* on *S.aureus*, *B. subtilis* and *E. coli*. International Conference on conservation, Marketing and patenting of medicinal Plants, (ICCMP), Raipur, Chhattisgarh, 13-14, March 2010.
8. Snehal Pande, Minal Wani and Madhukar Khethmalas. 2010. Callus induction Studies on *Stevia* and antimicrobial screening of leaf extracts. International Conference on conservation, Marketing and patenting of medicinal Plants, (ICCMP), Raipur, Chhattisgarh, 13-14, March 2010.
9. Dhvani Kothari, Ritu Singh, Shikha Sharma, Suchi Desai, Snehal Pande and Minal Wani. 2010. *In vitro* efficacy of bioactive extracts of *Tridax procumbens* (L.) against some human pathogens. State level conference on Recent Trends in Physico Chemical Sciences, Biotechnology and Biodiversity. Pimpri, Pune. 12-13 Feb. 2010.
10. Snehal Pande, Minal Wani, Amol Dhore and Saurabh Pawar. 2010. Comparative effect of Phytohormones on Somatic Embryogenesis and regeneration of eggplant. State level conference on Recent Trends in Physico Chemical Sciences, Biotechnology and Biodiversity, Pimpri, Pune. 12-13 Feb. 2010.
11. Vishal Choudhary, Faizan Ali Sarwar, Snehal Pande and Minal Wani (2011) Preliminary screening of some Phytochemical components of *Costus pictus* D. Don. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune, India. 12th Feb 2011.
12. Faizan Ali Sarwar, Vishal Choudhary, Snehal Pande and Minal Wani (2011) Phytochemical investigation studies on *Gymnema sylvestre* R.Br. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune, India. 12th Feb 2011
13. Vishakha Shivsharan, S. W. Kulkarni & Minal Wani (2011) Physico-chemical characterization of dairy effluent. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune, India. 12th Feb 2011.
14. Minal Wani, Ujwal Fultambkar. and M.B. Khetmalas (2012): Study on effect of salinity on in vitro growth and some physiological parameters of various rice (*Oryza sativa* L.) Cultivars. International Conference on Plant Biotechnology for Food security: New Frontiers, February 21 – 24, 2012. National Agriculture Research Centre, New Delhi, India.

15. Faizan Ali Sarvar, Juhi Agrawal, Jyoti Deshpande, Minal Wani (2012). Qualitative Phytochemical Analysis And Antimicrobial Activity Studies Of *Gymnema sylvestre* R.Br. Second National Conference on Biotechnology, Bioinformatics and Bioengineering, February 24-25, 2012, held at Kolhapur, Maharashtra.
16. Aparna Sharma, Tarushikha Khetan, Jyoti Deshpande, Siji Mathew, Minal Wani. (2012) *Qualitative Phytochemical Investigation Studies and Isolation of Active Compounds by Thin Layer Chromatography of Three Anti diabetic plants. Second National Conference on Biotechnology, Bioinformatics and Bioengineering, February 24-25, 2012, held at Kolhapur, Maharashtra.*
17. Faizan Ali Sarvar, Arif Kamal Khan, Jyoti Deshpande, Minal Wani, K. V. Swamy. (2012). In Vitro Callus Induction Studies of *Gymnema sylvestre* R.Br. & Molecular Docking Of Gymnemic Acid. International Conference On Advances In Biological Sciences. 15-17 March 2012 Kannur, Kerala.
18. Payal Amale, Jyoti Bidwai, Minal Wani, M. B. Khetmalas. (2012) Qualitative Phytochemical investigation studies and isolation of active compounds by Thin Layer Chromatography of *Plumbago*. International Seminar on Emerging Threats and Challenges to Biodiversity: Policy Framework for sustainable Management. ETCOB 2012. 2nd to 4th March 2012, held at Shri Venkateshwara University, Tirupati, Andhra Pradesh.
19. Vaddavalli Pavana Lakshmi, Neha Somalwar, Shweta Dhumal, Abhiram Gokhale, Mihir Khapli, Minal Wani, M. B. Khetmalas (2013). Study of *Eichhornia crassipes* as a Biomass Source for Development of Biodegradable Paper-Based Products. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013 **(I Prize for poster presentation)**.
20. Comparative Phytochemical Analysis And Antimicrobial Activity Studies Of *E. hirta* and *E. pycnostegia* (2013). Tarushikha Khetan, Shailesh Keskar, Minal Wani, Madhukar Khetmalas. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013.
21. Yashwant Chavan, Amol Raut, Minal Wani, Rabindra Nath Misra (2013). Hepatitis B Virus genotypes in patients with chronic HBV infection from Indian population. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013.
22. Hrudaynath Namde, Abhiram Gokhale, Mihir Khapli, Minal Wani, M B Khetmalas (2013). Callus induction studies and comparison of active components from callus and plant leaves of *Tecoma stans*. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013 **(II Prize for poster presentation)**.
23. Jyoti Deshpande, D. Labade, Kalaiselvi Shankar, Navin kata, M. Choudhari, Minal Wani, M. Khetmalas (2013). In vitro callus induction studies for plumbagin content from *Plumbago auriculata*. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013.
24. Jyoti Deshpande, Ashish Goel, D. Labade, Kalaiselvi Shankar, Pravin Thikare, M. Choudhari, Minal Wani, M. Khetmalas (2013). In vitro induction and proliferation of adventitious roots from *Plumbago auriculata* Lam. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013.
25. Arpan Acharya, Salil Vaniawala, Harsh Parekh, Rabindra Nath Mishra, Minal Wani, Pratap N. Mukhopadhyaya (2013). Molecular screening for hereditary nonpolyposis colorectal cancer using microsatellite instability analysis and subsequent prediction of therapeutic response towards 5'FU-based adjuvant therapy. International Conference on advances in Biotechnology and Bioinformatics 2013, Dr. D. Y. Patil Vidyapeeth, Pune, on 25-27th November 2013.

26. Hemant D., Minal Wani (2014). In vitro plant regeneration and comparative molecular characterization of *Ocimum sanctum* L. and *Ocimum basilicum* L. 35th PTCA meeting and National Symposium on "Advances In Plant Molecular Biology and Biotechnology" scheduled to be held at IISER Pune. 10-12th March, 2014.
27. Deepak Singh, Minal Wani (2014). Standardization of micropropagation protocol and antibacterial study of silver nanoparticles synthesized using *Tecoma stans*, at International Conference on Biosciences State - of - the - Art Advancements held at Kumarakom, Kerala, India, on Sept 11-12, 2014, organized by Society for Educational & Scientific Research (SESR).
28. Mahadev Chothe, P. K. Selvi, Minal wani, 2016. Comparative *in vitro* growth response of gerbera plantlets developed on liquid and solidified culture medium. International Conference on "Plant Research and Resource Management" and 25th APSI Silver Jubilee Scientists Meet 2016. Baramati, 11-13 February, 2016.
29. Gayatri Wadiye, Aditi Singh, Astha Jain, Minal Wani, 2016. *In Vitro* Micropropagation Studies and Isolation of vincristine and vinblastine from *Catharanthus roseus*. National conference on Advances in Applied, Physical, Chemical and Life Sciences, Pimpri, Pune, February 3& 4, 2016.
30. Priyanka Lokhande, Riya Kapoor, Arfa Kamal, Minal Wani, 2016. *In Vitro* callus induction studies and extraction of oil from seeds of *Jatropha curcas* L. National conference on Advances in Applied, Physical, Chemical and Life Sciences, Pimpri, Pune, February 3& 4, 2016.
31. Harshit Sharma, Yashika Karamchandani, Minal Wani, 2016. Study of salt tolerance in some *Oryza sativa* L. Cultivars through physiological and biochemical parameters. XL All India CellBiology Conference & International Symposium on Functional Genomics and Epigenomics Functional Genomics and Epigenomics, Jiwaji University, Gwalior. 17-19 November 2016.
32. Astha Jain, Vidya Kad, Dinesh Labade, Minal Wani, 2016. *In vitro* antibacterial activity of solvent extracts of *Zingiber officinale* Rosc. rhizome on different micro organisms. 5th International Conference on Recent Trends in Engineering, Science & Management. Parvatibai Genba Moze College of Engineering, Wagholi, Pune. 9-10th December, 2016.
33. Jyoti Deshpande, Ashish Goel, Mihir Shah, Madhukar Khetmalas and Minal Wani, 2016. Elicitor induced enhancement of *in vitro* plumbagin production in suspension culture of *Plumbago auriculata*. International Conference on Current Trends in Biotechnology (ICCB-2016) at Vellore Institute of Technology (VIT), Vellore, India. December 8-11, 2016.
34. Mahadev Chothe, Minal Wani, 2016. Evaluation of Potential use of Rice husk for the Primary hardening of Micro propagated Banana Plants. International Conference on Green technology for health and environment: Implementations and Policies Organized by Society for Educational & Scientific Research (SESR), Bangalore. 15 - 16th Dec. 2016.
35. Mahadev Chothe, Yashika Karamchandani, Sanjay Ballav, Minal Wani, 2017. Evaluation of *in vitro* growth response of different explants from *Phalaenopsis* orchids. National Symposium on Biotechnology: Current perceptives on Medicinal and crop plants & 38th Annual Meeting of Plant tissue culture Association India. 3-5th March, 2017. CSIR- Institute of Chemical Biology, Calcutta.
36. Mahadev Chothe, Simran Kaur, Gauri Mulik, Minal wani, 2017. Effect of 6- benzylaminopurine concentration in MS medium for the proliferation during *in vitro* micro propagation of banana cultivar Grand Naine. International Conference on Recent Trends in Agriculture, Veterinary & Life Sciences – 2017, held from 28th to 30th December, at Goa.

37. Survana Daund, Dinesh Labade, Shweta Patil, Krishna Kumar Baldwa, S.A Fargade, Minal Wani 2017. In-vitro culture and regeneration studies on *Tridax procumbens* L: a common medicinal plant. International Conference on Recent Trends in Agriculture, Veterinary & Life Sciences – 2017, held from 28th to 30th December, at Goa.