

# RESUME

DR. JAYKIRAN ANANDRAO TIDKE



## OFFICE:

**Professor and Head**

(Ex Pro-Vice-Chancellor, Ex Acting Vice-Chancellor, Ex Director BCUD and Ex Director IQAC)

Sant Gadge Baba Amravati University

Amravati, 444602 M.S.(India).

Ph.No.0721- 2662173,2662206,7,8,9 Extn. 287

Fax. +91721-2660942, 2662135

E-mail: [hodbotany@sgbau.ac.in](mailto:hodbotany@sgbau.ac.in), [jaikirantidke@sgbau.ac.in](mailto:jaikirantidke@sgbau.ac.in)

## RESIDENCE:

Rachna Dreams

Wing A, Flat No. 503,

Circuit House Road,

Camp, Amravati 444602. M.S. (India).

Mob.No. 09422957578, 8975807600

E-mail: [jaikirantidke@gmail.com](mailto:jaikirantidke@gmail.com)

## RESUME

**Name** : TIDKE JAYKIRAN ANANDRAO

**Date of Birth** : 09.01.1962

**Address (Resi.)** : Rachna Dreams,  
Wing A, Flat No. 503,  
Circuit House Road, Camp,  
Amravati. 444602. M.S. (India).  
Cell No. 9422957578, 8975807600  
E mail: [jaikirantidke@gmail.com](mailto:jaikirantidke@gmail.com)

**Address (Off.)** : Professor and Head,  
Department of Botany,  
Sant Gadge Baba Amravati University  
Amravati, 444602 M.S. (India).  
Ph.No.0721- 2662173, 2662206,7,8,9 Extn. 287  
Fax. +91721-2660942, 2662135  
**E-mail:** [hodbotany@sgbau.ac.in](mailto:hodbotany@sgbau.ac.in),  
[jaikirantidke@sgbau.ac.in](mailto:jaikirantidke@sgbau.ac.in)

**Native** : At.Sangvi Po.Durgwada Tq.Murtizapur  
Dist. Akola. M.S. (India). 444112  
Ph. No. 07256-282569

**Nationality** : Indian

**I. Academic Career** : M.Sc. (Bot.); B.Ed.; M.Phil. (Bot.); Ph.D., FIAS.

**II. Designation/Post held**

i) **Lecturer in Botany** - 01.08.1986 (Part-time)  
01.08.1987 to 18.10.2000 (Regular)  
Vidya Bharti Mahavidyalaya, Camp,  
Amravati. 444602 (M.S.) India.

ii) **Reader in Botany** - 19.10.2000 to 28.10.2007  
Department of Botany,  
Sant Gadge Baba Amravati University,  
Amravati. 444602. (M.S.) India.

iii) **Professor in Botany** - 29.10.2007 to Till date  
Post-Graduate Department of Botany,  
Sant Gadge Baba Amravati University,  
Amravati. 444602.

- iv) **Head of Deptt.** - i) From 01.05.2005 to 28.10.2007 (As a Reader)  
 ii) From 29.10.2007 to 25.03.2009 (As a Professor)  
 iii) From 26.11.2010 to 25.08.2011  
 iv) From 24.02.2016 to till the date  
 Department of Botany,  
 Sant Gadge Baba Amravati University,  
 Amravati. 444602,(M.S.) India.
- v) **Director (BCUD)** - 26.08.2011 to 03.09.2012  
 Board of College and University Development  
 SGB Amravati University, Amravati.
- vii) **Pro- Vice Chancellor –** 04.09.2012 to 23.2.2016  
 Sant Gadge Baba Amravati University,  
 Amravati. 444602
- viii) **Vice-Chancellor (Acting)-** 05.06.2012 to 20.06.2012  
 28.10.2013 to 10.06.2014  
 10.05.2015 to 15.05.2015  
 Sant Gadge Baba Amravati University,  
 Amravati. 444602

### III. Teaching Experience: Total Teaching Experience: 29 years.

- **Under-Graduate level: 14 years (Including one year part time)**
- Department of Botany, Vidya Bharti Mahavidyalaya, Camp, Amravati, 444602. (01.08.1986 to 30.04.1987, Part-time).
  - Department of Botany, Vidya Bharti Mahavidyalaya, Camp, Amravati, 444602. (01.08.1987 to 18.10.2000, Full-time).
- **Post-Graduate level: 16 years (Regular)**
- Department of Botany, Sant Gadge Baba Amravati University, Amravati (19.10.2000 to 26.08.2011 and 01.03.2016 to till date).
- **Post-Graduate level: 09 years (Contributory Teacher)**
- Department of Botany, Sant Gadge Baba Amravati University, Amravati (1991-2000).
  - Department of Botany, Vidya Bharti Mahavidyalaya, Camp, Amravati (22.09.1994 to 19.10.2000).

#### IV. Administrative Experience: Total Administrative Experience 12 years

**Head:** Department of Botany, Sant Gadge Baba Amravati University, Amravati

i) From 01.05.2005 to 28.10.2007 (As a Reader)

ii) From 29.10.2007 to 25.03.2009 (As a Professor)

iii) From 26.11.2010 to 25.08.2011

iv) From 01.03.2016 to till the date

- **Director** (then Coordinator): Internal Quality Assurance Cell, (NAAC), Sant Gadge Baba Amravati University, Amravati from 21.03.05 to 21.08.2007.
- **Director:** Board of College and University Development, SGB Amravati University from 26.08.2011 to 03.09.2012
- **Registrar** (In charge): Sant Gadge Baba Amravati University, Amravati from 14.04.2012 to 24.04.2012.
- **Pro-Vice-Chancellor** : Sant Gadge Baba Amravati University, Amravati from (04.09.2012 to 23.02.2016)
- **Vice-Chancellor** (Acting): Sant Gadge Baba Amravati University, Amravati  
From 05.06.2012 to 20.06.2012  
From 28.10.2013 to 10.06.2014  
From 10.05.2015 to 15.05.2015

#### V. Research: Total Research Experience 27 years

- **Title of Ph.D. Thesis** : *PALYNOLOGICAL INVESTIGATIONS ON SOME PLANTS OF PAPILIONACEAE*
- **Ph.D. Degree Year** : Notification No. Amravati University Gazette No.200/90 date 29.10.1999
- **Name of Ph.D. Supervisor** : Dr. G.V. Patil  
Ex Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati.
- **Research Experience** : 27 years (from 1994 –2021)
- **Recognized as Research Guide** : i) Ph.D. Supervisor in subject Botany, Sant Gadge Baba Amravati University, Amravati, from 02.02.2001.  
ii) Ph.D. Supervisor in subject Environ. Sci. Sant Gadge Baba Amravati University, Amravati, from 21.07.2007.
- **Post-doctoral Fellow** : Laboratory of Pollination Ecology, Institute of Evolution, Haifa University, Haifa (Israel).  
17.02.2004 – 30.06.2004

- **Research paper Published** : 62 (International-42, National- 20)  
As per Google Scholar  
Citations 95  
h-index 06  
i10-index 03
- **Article(s) published** : 03
- **Book Edited/Published /Chapter in book** : 04
- **Paper Presented** : 124 (International- 29, National-95)
- **Conferences/Workshops /Seminars Attended** : 121 (International- 09, National-112)
- **Refresher/Orientation Courses attended** : 06
- **Conference Organized** : 06 (International-02, National-04)

#### **Convener / Patron**

1. International Conference on Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation (ICPSBC-05), 17<sup>th</sup> to 20<sup>th</sup> February-2005. Department of Botany, Amravati University, Amravati.
2. International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy and Innovative Prospects in Angiosperm Taxonomy (ISIPAT-2012) 28<sup>th</sup> to 30<sup>th</sup> October 2012.
3. National Conference on Mycodiversity with its Sustainable Exploration and Biotechnology Application and 38<sup>th</sup> Annual meeting of Mycological Society of India., organized by Department of Botany, Shri Shivaji Science College, Amravati and Department of Botany, S.G.B. Amravati University, Amravati., 6<sup>th</sup> -7<sup>th</sup> February 2012.
4. National Conference on Advances and Innovations in Plant science (NCAIPS-2016) Organized by Department of Botany, Govt. Vidarbha Institute of Science and Humanities, Amravati in Collaboration with Department of Botany and Botany Teacher's Association Sant Gadge Baba Amravati University, Amravati 29<sup>th</sup>-1<sup>st</sup> March, 2016.
5. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati

University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.

6. National conference of IAS on Airborne pollen and spores: Assessment, Impact and Scope (NCIAS-2018) on 29-31 Jan 2018; organized by PGTD Botany, SGBAU, Amravati.

➤ **Workshops Organized** : 04

**Convener/Patron**

- 1) Workshop on New UGC Curriculum, Department of Botany, Sant Gadge Baba Amravati University, Amravati, 12<sup>th</sup> Sep., 2004.
- 2) Workshop on 'Plant Tissue Culture' dated 26<sup>th</sup> February 2008.
- 3) Organized Workshops on Medicinal Plants and Environmental awareness Camps for villagers.
- 4) National Seminar cum Training programme on Research and Conservation of Biological Resources and The Biological Diversity Act-2002, 22<sup>nd</sup> January 2016.

➤ **No. of Students Awarded** : 17  
**Ph.D.**

➤ **No. of Students working** : 02  
**for Ph.D.**

**Details of Ph.D. research students and research topics:**

**Students Awarded Ph. D. Degree**

Sr. No.	Name	Title of Thesis	Date of Award
1	Ku. R.O. Dharamkar	Floral Biology and Pollination Ecology of Some Ornamental Seasonal	(Notification No. 100/2005, Date. 15/12/2005)
2	Mr.S.B.Thorat	Investigation on Reproductive Ecology and In-vitro Regeneration of Some Red Listed Medicinal Plants	(Notification No. 45/2008, Date. 20/02/2008)
3	Ku. S.B. Pund	Aeropalynological Studies of Amravati {M.S.}	(Notification No. 81/2008, Date. 16/10/2008)
4	Shri A.S.Dahat	Insect Pollination in Some Important Crop Plants	(Notification No. 81/2008, Date.

			16/10/2008)
5	Ku. M.M. Dhore	Investigation on Nectar, Nectaries and Pollinator Diversity in Some Plants	(Notification No. 88/2009, Date. 28/11/2009)
6	Ku.A.G. Thakre	Palynological Investigation on Some Varieties of Cotton	(Notification No. 121/2009, Date. 31/12/2009)
7	Mr. S.S. Nagarkar	Pollen Spectrum of Honey and Its Biochemical and Morphological Characterization	(Notification No. 47/2011, Date. 08/04/2011)
8	Mr. P.J. Kale	Management of Wild Pollinators for Higher Crop Yield	(Notification No. 59/2011, Date. 18//052011)
9	Mr. S.S. Rokade	Extraction, Antigenicity and Computational Analysis of Allergic Pollen Proteins	(Notification No.66/2012 , Date.06/07/2012 )
10	Ku. S.A. Kukade	Investigations on Pollination and Pollen Pistil Interaction	(Notification No. 50/2013, Date. 11/07/2013)
11	Mr. S.S. Jadhao	Phytopathological Studies of Forest Plants of Yavatmal District	(Notification No. 57/2014, Date. 20/07/2014)
12	Mr. A.V.Rajurkar	Studies on flowering Plants From Amravati Region and Its Digitization By Using Soft Computing Tools	(Notification No. 40/2015, Date.13/022015)
13	Ku. C.V. Ugale	An Assessment of Impact of Heavy Metals on Pollen Structure and Function	(Notification No.52/2015, Date. 07/05/215 )
14	Shri. V.R. Dhawale	An Efficient Algorithm For Pollen Classification Using Computational Intelligence Approaches	(Notification No. 66/2015, Date. 03/08/2015)
15	Ku. Y. B. Gawande	Studies on Pollen and Pistil Proteins involved in Pollen Pistil Interaction	(Notification No. 42/2016,

			Date. 18/02/2016)
16	Mr. V.R. Narkhedkar	<i>In vitro</i> studies on anther and pollen culture for haploid plant regeneration	(Notification No. 103/2019, Date.30/04/2019)
17	Ku. Yogita S. Mirge	Studies on pollination breeding system and genetic variability in <i>Ipomoea</i> species.	(Notification No. 5/2020 Date: 18/06/2020)

### Students Registered for Ph. D.

No.	Name	Title of Thesis	Date of Registration
1	Ku. V.C. Hinge	Investigations on Effects of Air Pollutants on Pollen Proteins and Their Allergenicity	SGBAU/Ph.D./BOT/07/2010 Date: 15/01/2010
2	Mr. A. M. Sarode	Investigation on Melissopalynology and Bee Forage Plants from Warud Tahsil, Dist. Amravati, Maharashtra.	SGBAU/Ph.D./BOT/924/2021 Date: 01/09/2019

- **No. of Ph.D. thesis evaluated** : 22
- **No. of Students completed M. Phil.** : 04
- **Research Projects** : 03: Completed  
01: Post doc fellow on Multinational Project at Haifa University, Israel.
- Abroad Countries visited** : Israel, Austria, Spain, France, Switzerland, Malaysia and United Kingdom.

### Abroad Universities/ Institutes visited:

- 1 Haifa University, Israel.
- 2 Vienna University, Austria.
- 3 Institute for Botanik , Vienna University, Vienna.
- 4 Botanical Garden, Vienna University, Vienna.
- 5 Oxford University, United Kindom.
- 6 London University, United Kindom.



**1] Minor Research Project, UGC Unassigned Grants (2001-2003).**

Title of the Project: *Pollen Flora and Melittopalynology of Amravati University Campus, Amravati University, Amravati. (31.01.2001 to 01.01.2003).*

**2] Major Research Project, UGC New Delhi (2005-2007)**

Title of the Project: *Management of Wild Pollinators for Higher Crop Yields (01.01.2005– 31.12.2007).*

**3] Major Research Project, Ministry of Forest and Environment (2000-2008)**

Title of the Project: *Improvement of Infrastructure Facilities in Botanic Garden and Centre for Ex-situ Conservation of Rare/Endemic Plants. (04.10.2000 to 31.03.2008)*

**4] International Research Project on Pollination Ecology (1<sup>st</sup> Feb.2004– 2009)**

Title of the Project: *Assessing Large-scale Environmental Risk with tested Methods (ALARM)*

Conducted postdoctoral research work from 17.02.2004 to 30.06.2004 under the Multinational Research Project at Laboratory of Pollination Ecology, Institute of Evolution, Haifa University, Haifa (Israel) under the supervision of Prof. Amots Dafni and Prof. Gidi Neeman funded by European Union. The ALARM consortium combines the expertise of 54 partners from 26 countries and has a centrally funded programme for an initial period of five years, started from 1<sup>st</sup> February 2004.

➤ **Patent:**

1. **Title of Invention:** Reliable process for pollen classification from pollen images using computational intelligence.

**Inventor:** Sanjay Vasant Dudul, Jaikiran Anandrao Tidke and Vijay Ramchandra Dhawale

**Application number:** 1819/MUM/2015

**Publication date:** 22/05/2015

**Journal number:** 21/2015, Controller general of patents, Designs and Trademark, Department of industrial policy and promotion, Ministry of commerce and industry, India.

➤ **Research Papers Published in International Journals:**

1. **Tidke, J.A.** and G.V.Patil (2000). Reproductive ecology of flower colour morphs of *Clitoria ternatea* Linn. *Inter. J. Trop. Agri.* 1118 (3): 211-218.
2. Dhore, M. M., D.U. Pochhi and **J. A. Tidke** (2000). Amino acids and sugars from Floral nectars of some local plants. *J. Phytol. Res.* 13(2): 171-174. **[Impact factor: 0.304]**
3. Maurya, M.R., V.V.Parate, **J.A.Tidke** and P.R.Rajput (2003). Synthesis and growth promoting effects of some newly synthesized chlorosubstituted heterocycles on agricultural crop plants. *Asian Journal of Chemistry* 5(3) and (4): 1759-1763. **[Impact factor: 0.45]**
4. **Tidke, J.A.** and R.O.Dharmkar (2003). Flowering phenology, pollen production and insect behaviour in some ornamentals. *J. Phytol. Res.* 16 (1): 73-76. **[Impact factor: 0.304]**
5. **Tidke, J.A.** and S.G. Gawande (2005). Pollination ecology of *Lagerstroemia speciosa* Pers. *International Journal of Tropical Agriculture.* 23 (1-4): 55-59.
6. **Tidke, J.A.** (2005). Pollination ecology of *Crotalaria serisea* Retz. *J. Ind. Bot. Soc.* 84: 80-84.
7. Nathar, V.N., D.M. Kale, **J.A. Tidke**, S.R. Manik and U.S. Chaudhari (2005). Biochemical changes effected by 'Boron' on growth and development of Potato (*Solanum tuberosum* L.). *J. Comp. Toxicol. Physiol.* 02 (I and II): 18-27. **[Impact factor: 2.819]**
8. Dahat, A.S., **J.A.Tidke** and P.J. Kale (2007). Flowering phenology and insect pollination in *Brassica campestris* L. *J. Comp. Toxicol. Physiol.* 4(I-IV): 85-89. **[Impact factor: 2.819]**
9. Gomase V.S. and **Tidke J.A.** (2008). Prediction of antigenic MHC binders of Calreticulin protein from *Parthenium argentatum*. *International Journal of Bioinformatics.* 1 (1):37-44.
10. E.V.Upadhye, **J.A.Tidke** and G.V.Patil (2008). A petrified female strobilus from Mohgaonkalan, Madhya Pradesh, India. *The Palaeobotanist* 57: 443-448.
11. S. S. Rokade, **J. A. Tidke** and N. J. Chikhale (2010a). *In-Silico* characterization of pollen –specific protein Bnm 1 from *Arabidopsis thaliana* L. *International Journal of Genomics and Proteomics.* 1(1): 1-8.
12. S. S. Rokade, **J. A. Tidke** and N. J. Chikhale (2010b). Computational analysis of SRK protein from *Brassica oleracea* L. for allergic and antigenic

- characters. *International Journal of Genomics and Proteomics*. 1(1): 25-33.
13. J. A. Tidke and S. S. Nagarkar (2011) Honey as a regional bee floral indicator - A palynological assessment; *J. Indian Bot. Soc.* 89 (3 and 4): 234-333.
  14. J. A. Tidke and S. B. Thorat (2011) Observations on reproductive biology of *Madhuca longifolia* Koen Macbr; *The International Journal of Plant Reproductive Biology*. 3(1): 47-54.
  15. Rajurkar A. V., Tidke J. A and G. V. Patil (2011) Studies on pollen morphology of *Ipomoea* species (Convolvulaceae), *Research in Plant Biology*. Vol. 1 (5), pp. 41-47. [Impact Factor: 0.612]
  16. J.A. Tidke, A. V. Rajurkar and V.R. Dhawale (2012) Scanning Electron Microscopic Studies on Pollen Morphology of *Bauhinia* (Caesalpiniaceae) *Indian Journal of Fundamental and Applied Life Sciences* (Online). Vol. 2 (1) January- March, pp.145-151. [Impact Factor: 1.54]
  17. Ajay V. Rajurkar, Jaikiran A. Tidke and Sagar S. Jadhav (2013) Palynomorphological studies on family Mimosaceae. *Int J Pharm Bio Sci* Vol. 4 (3): (B) 273 – 279. [Impact Factor: 5.121]
  18. V.R. Dhawale, J.A. Tidke and S.V. Dudul (2013) Neural network based on pollen classification published in proceeding of International Conference on Advances in Computing, Communications and Informatics (ICACCI), organized Sri. Jayachamarajendra college of engineering (SJCE), Mysore.22-25 August, 2013.
  19. Kukade S.A. and Tidke J.A. (2013) Studies on pollination and reproductive biology of *Pongamia pinnata* L. (Fabaceae) *Indian Journal of Fundamental and Applied Life Sciences* (Online). Vol. 3(1) January- March, pp.149-155. [Impact Factor: 1.54]
  20. Sarita A. Kukade and Jaikiran A. Tidke (2014) Reproductive biology of *Dolichos lablab* L. (Fabaceae). *Indian Journal of Plant Sciences* Vol. 3 (2): 22-25.
  21. V.R. Dhawale, J.A. Tidke and S.V. Dudul (2014) Efficient classification of pollen grains using computation intelligence published in proceeding of International Conference for Convergence of Technology, organized by IEEE, Pune 06-08 April, 2014.
  22. Tidke J.A. and Nagarkar S. S. (2015) Pollen spectrum and Biochemical analysis of dominant pollen types represented by local honey samples. *International journal of pharma research and review*. Vol. 4 (5) 21-33. [Impact Factor: 3.6]

23. Narkhedkar V.R., **Tidke J.A.**, Chikhale N.J. and Bhusari S.N. (2016) Cold stress induced callogenesis from isolated anthers of *Catharanthus roseus* (L.) G. Don. *International Journal of Pharma and Biosciences*. 7 (2): 40-45.
24. Varsha C. Hinge, **Jaikiran Tidke**, Biswadeep Das, Shrikant Bhute, Pradeep Parab, Kishori Apte. (2016) Air pollution exacerbates effect of allergenic pollen proteins of *Cassia siamea*. **Grana**, pp 1-8. doi.org/10.1080/00173134.2016.1193221.
25. Narkhedkar Vivek Rambhauji and **Tidke Jaikiran Anandrao**. (2016). Analysis of various pretreatments and 2,4-D concentrations on callus induction and high efficiency of haploids regeneration in *Catharanthus roseus* (L.) G. Don. *Am. J. PharmTech Res*. 6(4): 246-256.
26. V.R. Dhawale, **J.A. Tidke** and S.V. Dudul (2016) Development of Jordan elman neural network for classification of pollen grains using histogram based features. *International Journal of Innovative Research in Computer and Communication Engineering*, 4 (11):
27. Y. B. Gawande and J. A. **Tidke** (2016) Pollen and pistil morphodiversity in two species of *Cassia* (Caesalpinaceae). *International Journal of Applied Research*, pp 301-303.
28. A. V. Rajurkar and J. A. **Tidke** (2016) Pollen morphodiversity in some genera of family Euphorbiaceae. *Vidyabharati International Interdisciplinary Research Journal*, pp 309-312.
29. V.R. Dhawale, **J.A. Tidke** and S.V. Dudul (2017) A new approach to Pollen classification using computational intelligence. *International Journal of Innovative Research in Computer and Communication Engineering*, 5 (1):
30. Kale P.J., **Tidke J.A.** and Dahat A.S. (2017) Study of flowering phenology and pollination in *Cajanus cajan* L. *International Journal of Applied Research*. ISSN Print: 2394-7500, ISSN Online: 2394-5869.
31. Ugale C. V. and **Tidke J. A.** (2017) Analysis of secondary metabolites in *T. argentea* pollen by GC-MS. *International Journal of Applied Research*. ISSN Print: 2394-7500, ISSN Online: 2394-5869.
32. Dahat A. S. **Tidke J.A.** and Kale P. J. (2017) Insect pollination, fruit set and seed yield in *Sesamum indicum* L. (Pedaliaceae) *International Journal of Applied Research* ISSN Print: 2394-7500, ISSN Online: 2394-5869.
33. Gawande, Y.B., and **Tidke J. A.**(2017)Structure and Cytochemistry of the Stigma and Style of *Datura innoxia* Mill. (Solanaceae) *International Journal of Applied Research* ISSN Print: 2394-7500, ISSN Online: 2394-5869

34. Rajurkar A.V. and **Tidke J.A.** (2017) Pollen morphodiversity in some genera of family Solanaceae *International Journal of Applied Research* ISSN Print: 2394-7500, ISSN Online: 2394-5869.
35. Thakare A.G. and **Tidke J.A.** (2017) Pollen production of selected *Gossypium varieties* (Malvaceae) aureus. *International Journal of Botany Studies*. 2 (1): 103-105.
36. Mirge Y.S. and **Tidke J.A.** (2018) Assessment of morphotaxonomic relationship among *Ipomoea* Linn. *Ayushi International Interdisciplinary Research Journal*. 25: 629-635.
37. Gawande Y. B. and **Tidke J. A.** (2018) Cytochemical localization of pollen and pistil proteins in *Datura innoxia* Mill. *Ayushi International Interdisciplinary Research Journal*. 25: 848-851.
38. Rajurkar A.V., **Tidke J.A.** and Matte R.S. (2018) SEM based pollen morphodiversity studies in some genera of family Bignoniaceae, *International Journal of Life Sciences*. Special Issue A (12): 157-160.
39. Rajurkar A.V., **Tidke J.A.** and Matte R.S. (2018) SEM based pollen morphological studies in some genera of family Lamiaceae. *Vidyawarta*. Special Issue (02): 53-56.
40. Kale P.J., **Tidke J.A.** and Rokade S.S. (2019) Natural Pollinators and Their Effects on Yield of *Sesamum indicum* L., pp. 242-248. *Research Journey*. Special Issue 110 (E): 242-248.
41. Ugale C.V. and **Tidke J.A.** (2020) Pollen physiological dynamics of *Catharanthus roseus* after exposure to heavy metals: Pollen physiological dynamics of *Catharanthus roseus*. *Journal of Eco-science and Technology*.1(1): 7-12.
42. Narkhedkar V.R. and **Tidke J.A.** (2021). Inductive Effects of Carbohydrates and Plant Regeneration via Anther Culture in Madagascar Periwinkle. *Advances in Zoology and Botany*. 9(3): 65-70. DOI: 10.13189/azb.2021.090301.

➤ **Research Papers Published in National Journals:**

1. **Tidke, J.A.** and G.V.Patil (2000). Floral biology and pollination biology of *Crotalaria serisea* Retz. *Environment and Ecology* 18(4): 1020-1022.
2. **Tidke, J.A** (2003). Pollinator diversity, behaviour and floral rewards. *Amravati University Research Bulletin*.1 (2): 71-73.
3. Dahat, A.S. and **J.A. Tidke** (2005). Crop pollination, diversity, behaviour and

- role of insect pollinators in *Gossypium hirsutum* L. and *Cajanus cajan* L. *Proc. ICPSBC-05*: 197-200.
4. Tidke, J.A. and R.O. Dharamkar (2006). A study on some aspects of the pollination biology of winter ornamental plant. *Advances in Pollen-Spore Research* XXIV: 117-127.
  5. 12. Tidke, J.A. and R.O. Dharamkar (2006). Pollination ecology of some seasonal ornamental plants. *Advances in Pollen-Spore Research* XXIV: 129-139
  6. Pund, S.B., J.A.Tidke and P.J. Kale (2007). Preliminary observation on aeromicrobiota at Amravati City (M.S.). *J. Comp. Toxicol. Physiol.* 4(I-IV): 69-74. [Impact factor: 2.819]
  7. J. A. Tidke, S. S. Nagarkar and S. S. Rokade (2009) Biochemical analysis of pollen grains of *Ipomoea fistulosa* L.; *Ind. J. Aerobiol.* 22 (1 and 2): 17 – 20. [Impact Factor: 1.99]
  8. S. S. Rokade, J. A. Tidke and N. J. Chikhale (2010). Antigenic and allergic character predictions of putative cup s 1 pollen allergen protein from *Oryza sativa* pollen grains. In pre-conference proceeding of National Conference on “*Trends in Plant Sciences: Today and Tomorrow*”, Department of Botany Shri. Shivaji College, Akot, Dist. Akola 444101. Maharashtra (India) pp.13-23.
  9. J. A. Tidke, S. S. Rokade and N. J. Chikhale (2010) *Insilico* analysis of major pollen allergen Pha a 1 from *Phalaris aquatica* (Canary grass); *Ind. J. Aerobiol.* 23 (1): 18-27. [Impact Factor: 1.99]
  10. J. A. Tidke, S. S. Nagarkar and S. S. Rokade (2010) Biochemical analysis of pollen grains of allergic pollen producing plant *Moringa oleifera* Lamk. Souvenir and Proceeding of “*Golden Jubilee National Symposium on Plant Diversity Utilization and Management*” during 27th to 29th May 2010, pp. 110-114.
  11. Tidke J.A. and Dahat A.S. (2011) Insect pollination, fruit set and seed yield in *Allium cepa* L. (Alliaceae); *The Botanique.* 15(1 and 2): 23-32. [Impact Factor: 1.278]
  12. Gawande Y.B. and Tidke J.A. (2012) Studies on Pollen and Pistil Proetins involved In Pollen-Pistil interaction of *Ipomoea fistulosa* L. Published in **Proceeding of National Congress on Stepping up with Bioscientific Technology**, Organized by Shiksha mandals Jankidevi Bajaj College of Science, Wardha, 27<sup>th</sup> – 28<sup>th</sup> January 2012.
  13. Dhawale V.R., Tidke J.A. and Dudul S.V. (2013) Reliable classification of pollen SEM images using walsh-hadamard transform based features and

Neural network approach., Published in **proceeding (ISBN 978-81-922256-9-2) of National conference on “Recent Initiatives towards Green Electronics”** organized by Post Graduate Department of Electronics, Brijlal Biyani Science College, Amravati (Maharashtra), February 8<sup>th</sup> -9<sup>th</sup> . pp. 267-278.

14. Sarita A. Kukade and **Jaykiran A. Tidke** (2013) Inhibition of pollen germination and tube growth in *Hamelia patens* (Rubiaceae). *The botanique*. Vol. 17 (2): 84-89. [**Impact Factor: 1.278**]
15. Dhoran V.S., Gudhade S.P. and **Tidke J.A.** (2013) Seasonal incidence of airborne fungal spores of Amravati city. *The botanique*. Vol. 17 (2): 56-66. [**Impact Factor: 1.278**]
16. **Tidke J.A.**, Dhoran V. S. and Gudadhe S. P. (2013).Survey of airborne pollen grains from three different sites at Amravati (MS). *Ind J Aerobiol*. Vol. 26 No.1 & 2 pp 11-23. [**Impact Factor: 1.99**]
17. Narkhedkar V.R., **Tidke J.A.**, Bhasme K. G. and Vanjari R. S. (2013). Survey of airborne pollen grains and fungal spores in university campus. *Ind J Aerobiol*. Vol. 26 No.1 & 2 pp 45-55. [**Impact Factor: 1.99**]
18. Kale P.J., **Tidke J. A.** and Dahat A. S. (2015) Flowering phenology and yield comparison in different treatment of pollination in *Gossypium hirsutum* L. *The Botanique*, 19 (1): 4-14.
19. Rokade S. S. and **Tidke J. A.** (2016) Biochemical studies of *Ipomoea palmate* Forsk. Pollen, *The Botanique*,20 (1): 27-31.
20. Dhawale V.R., **Tidke J.A.** and Dudul S.V. (2017) An Innovative Soft Computing Based Method For Pollen Classification. *Vidyabharati International Interdisciplinary Research Journal*. 6 (1): 43-50.

➤ **Article(s) published:**

1. Narkhedkar V.R. and **Tidke J.A.** (2019) Androgenesis: An Optimistic Breakthrough for Pharmaceutical Industries. *Science Reporter*. 56 (5): 12-13.
2. **Tidke J.A.** (2018) Pollen Grains as an Allergens: Perspective and Prospects. Souvenir Cum Abstract Book, National Conference of Aerobiology (NCIAS-2018), Sant Gage Baba Amravati University, Amravati.
3. **Tidke J.A.** (23/08/2020) Review on Autobiography “Reminiscence and Remembering Return Journeys” The Sangai Express, Imphal.

➤ **Book Edited/ Published/ Chapter in Book**

1. **Tidke J.A.** (2005) Proceedings of ICPSBC 2005 (Editor). Registrar, Sant Gadge Baba Amravati University, Amravati.
2. Narkhedkar V.R., **Tidke J.A.** and Chikhale N.J. (2020) Indirect Androgenesis and Development of Haploids in *Catharanthus roseus* (L.) G. Don.; In: Umale PP and Koche DK, Current Updates in Life Sciences, Pandit Jawaharlal Nehru Study Center, Akola (MS). pp. 383-397.
3. Flora of Amravati District with Special Reference to Distribution of Tree Species. Registrar, Sant Gadge Baba Amravati University, Amravati.
4. **Tidke J.A.** (2020) Manavi Kalyanasathi Vanaspati Aarogya Sanwardhan, Dyanpath Diwali Ank 2020. pp. 1-2.
5. **Tidke J.A.** (1998) Shanti Bramhachya Sahavasat. Smrutigranth. Shrisant Pundlik Maharaj Punyatithi Raupy Mahotsav Smarnika Prakashan Samiti, Sangavi, Durgwada.

➤ **Research Papers Presented in International Conferences:**

1. Observations on floral visitors of some local plants. International Conference and world Apixo-2002, Century Foundation Bangalore, India, Feb.24<sup>th</sup> –Mar. 01<sup>st</sup>, 2002.
2. Bio-chemical changes effected by ‘boron’ on growth and development of potato (*Solanum tuberosum* L.). International Congress of Plant Physiology on Sustainable Plant Productivity Under Changing Environment, organized by Indian Society for Plant Physiology and International Association for Plant Physiology at Indian Agriculture Research Institute, New Delhi, India 8<sup>th</sup>–12<sup>th</sup> January, 2003.
3. Aspects of the pollination biology of winter ornamental plants, presented at International Conference on “Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation, Department of Botany, Amravati University, Amravati, 17<sup>th</sup> to 20<sup>th</sup> Feb., 2005.
4. Crop pollination: diversity, behaviour and role of insect pollinator in *Gossypium hirsutum* L. and *Cajanus cajan* L. International Conference on Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation. Department of Botany, Amravati University, Amravati, 17<sup>th</sup> to 20<sup>th</sup> Feb. 2005.
5. Pollination ecology of *Adhatoda zeylanica* (Acanthaceae). International Conference on Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation. Department of Botany, Amravati University, Amravati, 17<sup>th</sup> to 20<sup>th</sup> Feb., 2005.
6. Computational analysis for programs and databases used in DNA sequencing. International Conference on Modern Trends in Plant Sciences with Special



- Reference to the Role of Biodiversity in Conservation, Department of Botany, Amravati University, Amravati, 17<sup>th</sup> to 20<sup>th</sup> Feb., 2005.
7. Observation on Pollination Ecology of Seasonal Ornamental Plants. XVII International Botanical Congress, Austria Centre Vienna, Austria, 18<sup>th</sup> to 23<sup>rd</sup>, July 2005.
  8. Petrified female strobilus from Mohgaonkalan, M.P., India. Diamond Jubilee International Conference Changing Scenario in Palaeobotany and Allied Subjects, organized by Birbal Sahni Institute of Palaeobotany, Lucknow, November 15<sup>th</sup> – 17<sup>th</sup>, 2006.
  9. Free amino acids from pollen grains of some *Asteraceae* plants producing allergic pollen. XIV Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Angiosperm Systematics and Phylogeny: Retrospects and Propects, held at National Botanical Research Institute (NBRI), Lucknow. 12<sup>th</sup> to 14<sup>th</sup> November 2009.
  10. Computational analysis of SRK protein from *Brassica oleraceae* L. for allergic and antegenic characters. XIV Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Angiosperm Systematics and Phylogeny: Retrospects and Propects, held at National Botanical Research Institute (NBRI), Lucknow. 12<sup>th</sup> to 14<sup>th</sup> November 2009.
  11. Characterization of oleosin protein from *Arabidopsis thaliana* pollen. XXXII All India Botanical Conference and International Symposium on Diversity of plants and Microbes: Present Scenario, Organized by Department of P. G. Studies and Research in Applied Botany Kuvempu University Shankaraghatta, Shimoga Dist. (Karnataka) and Indian Botanical Society , 28<sup>th</sup> to 30<sup>th</sup> Dec. 2009
  12. Insect pollination, fruit set and seed yield in *Helianthus annus* L. (Asteraceae). XXXII All India Botanical Conference and International Symposium on Diversity of plants and Microbes: Present Scenario, organized by Department of P. G. Studies and Research in Applied Botany Kuvempu University Shankaraghatta, Shimoga Dist. (Karnataka) and Indian Botanical Society Jaipur (Rajasthan). 28<sup>th</sup> to 30<sup>th</sup> Dec. 2009.
  13. Honey as a regional bee floral indicator – a palynological assessment through regional honey samples. XXXII All India Botanical Conference and International Symposium on Diversity of plants and Microbes: Present Scenario, Organized by Department of P. G. Studies and Research in Applied Botany Kuvempu University Shankaraghatta, Shimoga Dist. (Karnataka) and Indian Botanical Society Jaipur (Rajasthan). 28<sup>th</sup> to 30<sup>th</sup> Dec. 2009.

14. The studies on pollen biology of *Hamelia patens* Jacq. (Rubiaceae). XXXIII Conference of India Botanical Society and International Symposium on New Horizons of Botany, organized by Department of Botany, Shivaji University Kolhapur, Maharashtra, 10<sup>th</sup> to 12<sup>th</sup> Nov 2010.
15. Studies on pollen morphology of four species of *Ipomoea* (Convolvulaceae). XXXIII Conference of India Botanical Society and International Symposium on New Horizons of Botany, organized by Department of Botany, Shivaji University Kolhapur, Maharashtra, 10<sup>th</sup> to 12<sup>th</sup> Nov 2010.
16. Application of Scanning Electron Microscopy for taxonomic discrimination of *Bauhinia* species presented at International Conference on Electron Nanoscopy & XXXII Annual Meeting of EMSI jointly organized by Electron Microscope Society of India (EMSI) and Defense Metallurgical research Laboratory DMRL), Hyderabad, July 6<sup>th</sup> -8<sup>th</sup> ,2011.
17. Nectar production, composition and pollinator diversity in some local species., presented at International Conference on Conservation and Management of Pollinators, September 14<sup>th</sup> -17<sup>th</sup> , 2011, Kuching, Sarawak, Malaysia.
18. Study of pollen morphology of some selected varieties of cotton. [poster] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
19. Palynomorphological variations in some genera of Malvaceae. [poster] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
20. Morphological and Cytochemical studies on the stigma and style in some legumes. [poster] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
21. Active biomonitoring of heavy metal pollution by pollen. [oral] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.

22. Studies on pollen and pistil proteins involved in pollen-pistil interaction of *Datura innoxia* L. [poster] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
23. Role of insect pollination in increasing fruit set and seed yield in *Raphanus sativus* L. (Brassicaceae). [poster] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
24. Pollination ecology of *Rauvolfia serpentina* (Linn.) Benth. Ex. Kurz. (Apocynaceae). [poster] presented at International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
25. Investigation on secondary metabolites in *Lagerstroemia speciosa* (L.) Pers. Pollen using GC-MS. Presented at National conference on sustainable chemistry: frontiers and challenges (NCSC-2015), January 31-31<sup>st</sup>. 2015 organized by Brijlal Biyani Science college, Amravati.
26. Pollen viability and Germination as indicator of air pollution, presented at Fifth international conference on plants and environmental pollution, February 24-27<sup>th</sup>, 2015 organized by International society of Environmental botanist and CSIR National Botanical Research Institute, Lucknow, India
27. Pollen morphological study of selected cotton varieties (Malvaceae), presented at Fifth international conference on plants and environmental pollution, February 24<sup>th</sup>-27<sup>th</sup>, 2015 organized by International society of Environmental botanist and CSIR National Botanical Research Institute, Lucknow, India
28. An assessment of pollen diversity in some *Cassia* species based on SEM studies [Poster] presented at the XXXVI annual meeting of the electron microscopy society of India, organized by Bhabha atomic research centre, Trombay, Mumbai and EMSI, West zone chapter, Bangalore 8<sup>th</sup> -10<sup>th</sup> July 2015.
29. Indirect Androgenesis and Development of Haploids in *Catharanthus roseus* (L.) G. Don., (Narkhedkar V.R., Tidke J.A. and Chikhale N.J.), International E-Conference on Innovative Research Trends in Life Sciences on December 03<sup>rd</sup>-05<sup>th</sup>, 2020, Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.).

➤ **Research Papers Presented in National Conferences:**

1. Palynological investigations in *Artabotris odoratisimus* R.Br. Fifth all India Symposium on Palynology, Department of Botany, Institute of Science, Nagpur, Oct.7th –9th, 1987.
2. Pollination Ecology and floral Biology of *Crotalaria serisea* Retz. Conference on Recent Trends in Botany, Department of Botany, Amravati University, Amravati, Dec., 6th –8th, 1993.
3. Pollination Ecology of *Crotalaria serisea* Retz. 22nd All India Botanical Conference. Shri Vile Parle Kelvani Mandals Mithibai College of Arts, Chauhan Institute of Science and A.J.College of Com. and Eco. and local organising Committee, Vile Parle (W), Mumbai 400056, Oct.23rd –25th 1999.
4. Floral Biology and pollination of *Crotalaria serisea* Retz. 10th National Conference on Aerobiology and its Applications. Department of Botany, Andhara University, Vishakhapatnum 530003, A.P., Dec.20th –22nd, 1999.
5. Pollinator diversity, behaviour and floral rewards. National Conference on Frontiers in Biotechnological Aspects of Plant Sciences organised by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004 (M.S.) 30th-31st Jan.2002.
6. Role of mycorrhizal mushroom in forest ecosystem. Seminar on Mushroom Technology. Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola and Shri Shivaji Agriculture College, Amravati, 21st -22nd March 2002.
7. Observations on pollen flora of Pohara Forest (Amravati). Silver Jubilee Conference of Indian Botanical Society and National Symposium on Biosciences: Advance Impact and Relevance. Department of Plant Sciences, MJP Rohilkhand University, Bareilly. 27th-29th Oct.2002.
8. Chemical analysis of honey collected from Pohara Forest. XVIII National Symposium on Recent Trends in Life Sciences with Special Reference to Wild- life and Conservation. Post Graduate Department of Zoology, Amravati University, Amravati 444602, Nature Conservation Society, Amravati (MS) and Indian Society of Life Sciences, Kanpur (UP) 16th to 19th November, 2002.
9. Flowering phenology, pollen production and insect behaviour in some ornamentals. National Conference on Biodiversity-Past and Present organized by The Botanical Society, Lucknow 28th – 29th November 2002.
10. Synthesis and growth promoting effects of some newly synthesized chlorosubstituted heterocycles on agriculture crops. National Conference on Ethnobotany, Biodiversity and Conservation, organized by Department of Botany,

Shri Shivaji College of Arts, Commerce and Science, Akola, 18th -19th January 2003.

11. Preliminary observations on some qualitative analysis of airborne biocomponents at Amravati. 13th National Conference on Aerobiology (Silver Jubilee Celebration), Department of Botany, Institute of Science, Nagpur, 31st Jan. to 2nd Feb., 2005.
12. Three new Ascomycetes from Maharashtra. International Conference on Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation. Department of Botany, Amravati University, Amravati, 17th to 20th Feb., 2005.
13. Preliminary Observations on Aeromicrobiota at Amravati City (M.S.). School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh 15th to 17th Jan., 2007
14. Flowering Phenology and Insect Pollination in *Brassica campestris* L. and *Sesamum indicum* L. National Conference on Recent Advances in Biology organized by S.N. Mor Arts, Comm. And Smt. G. D. Saraf Science College, Tumsar, Dist. Bhandara, 2nd and 3rd Feb. 2007.
15. Observations on some aspects of pollination in *Cajanus cajan* (L.) Millsp. (Fabaceae). XXX Botanical Conference (Indian Botanical Society) National Seminar, "Emerging trends in Plant Science: Biodiversity, Biotechnology and Environmental Conservation, 28th–30th November, 2007. Organized by School of Studies in Botany, Jiwaji University, Gwalior, (M.P.).
16. Nectar dynamics, flower visitors and foraging behaviour in *Citrus limon* (L.). XXX Botanical Conference (Indian Botanical Society) National Seminar, "Emerging trends in Plant Science: Biodiversity, Biotechnology and Environmental Conservation, 28th –30th November, 2007. Organized by School of Studies in Botany, Jiwaji University, Gwalior, (M.P.).
17. Qualitative analysis of trapped pollen and spores from spider webs. XXX Botanical Conference (Indian Botanical Society) National Seminar, "Emerging trends in Plant Science: Biodiversity, Biotechnology and Environmental Conservation, 28th –30th November, 2007. Organized by School of Studies in Botany, Jiwaji University, Gwalior, (M.P.).
18. Observations on nectar production and flower visitors in *Bignonia unguis-cati* L. (Bignoniaceae). National Conference on Recent Trends in Biosciences, Deptt. of Bot., Zoo. and Enviro. Sci., Institute of Science, Nagpur, 20th to 21st January, 2009.

19. Insect Pollination, fruit set and seed yield in *Coriandrum sativum* L. (Apiaceae). National Conference on Recent Trends in Biosciences, Deptt. of Bot., Zoo. and Enviro. Sci., Institute of Science, Nagpur, 20th to 21st January, 2009.
20. In-silico characterization of pollen-specific protein Bnm1 from *Arabidopsis thaliana* Advances in Biosciences: From Darwin to Dolly and Beyond. Held at Yeshwant Mahavidyalaya, Nanded - 431 602 (M.S.) India, 12th to 14th February, 2009.
21. Biochemical analysis of pollen grains of dominant allergenic pollen producing plant *Ipomoea fistulosa* L. 15th National Conference on Aerobiology and National Symposium on Plant, animal and Human Health, Deptt. of Life Sciences, Manipur University, Imphal. 6th to 8th March 2009.
22. Prediction of allergic and antigenic characters of major pollen allergen pha a 1 from *Phalaris aquatica* (Canary grass). 15th National Conference on Aerobiology and National Symposium on Plant, animal and Human Health Deptt. of Life Sciences, Manipur University, Imphal. 6th to 8th March 2009.
23. Nectar production, flower visitors and foraging behavior in *Quisqualis indica* L. (Combretaceae). XXXII All India Botanical Conference and International Symposium on Diversity of plants and Microbes: Present Scenario, Organized by Department of P. G. Studies and Research in Applied Botany Kuvempu University Shankaraghatta, Shimoga Dist. (Karnataka) and Indian Botanical Society , 28th to 30th Dec. 2009.
24. Antigenic and allergic character predictions of putative cup s1 pollen allergen protein from *Oryza sativa* pollen grains. National Conference on “Trends in Plant Sciences: Today and Tomorrow” organized by Department of Botany Shri. Shivaji College, Akot, Dist. Akola 444101. Maharashtra (India) during 22nd – 23rd February, 2010.
25. Nectar production, chemical composition and flower visitors in *Butea monosperma* (Lamk.) (Papilionaceae) National Conference on “Trends in Plant Sciences: Today and Tomorrow” organized by Department of Botany Shri. Shivaji College, Akot, Dist. Akola 444101. Maharashtra (India) during 22nd – 23rd February, 2010, during 22nd – 23rd February, 2010.
26. Biochemical analysis of pollen grains of allergenic pollen producing plant *Moringa oleifera* Lamk. ; Golden Jubilee National Symposium on Plant Diversity Utilization and Management, organized by Department of Botany, University of Kerala, 27th to 29th May 2010.
27. Pollination ecology *Allium cepa* L. (Alliaceae). Golden Jubilee National Symposium on Plant Diversity Utilization and Management, Organized by Department of Botany, University of Kerala, 27th to 29th May 2010.

28. Biochemical analysis of dominant pollen types represented by local honey samples. XVIII Congress of the Federation of European Societies of Plant Biology (FESPB) 2010, organized by Grupo Geyseco. C/Universidad, 446003 Valencia, Spain, 4th to 9th July 2010.
29. Insect pollination, fruit set and seed yield in *Capsicum annum* L. (Solanaceae); First Global Congress on Plant Reproductive Biology, organized by The Society of Plant Reproductive Biologist, Agra, 22nd to 24th Oct 2010.
30. Observations on reproductive biology of *Madhuca longifolia* (Koen.) Macbr. First Global Congress on Plant Reproductive Biology, organized by The Society of Plant Reproductive Biologist, Agra, 22nd to 24th Oct 2010.
31. Pollen spectrum and physicochemical properties of local honey samples. XXXIII Conference of India Botanical Society and International Symposium on New Horizons of Botany, Organized by Department of Botany, Shivaji University Kolhapur, Maharashtra, 10<sup>th</sup> to 12<sup>th</sup> Nov 2010.
32. Studies on pollination and reproductive biology of *Pongamia pinnata* L. (Fabaceae). XXXIII Conference of India Botanical Society and International Symposium on New Horizons of Botany, organized by Department of Botany, Shivaji University Kolhapur, Maharashtra, 10<sup>th</sup> to 12<sup>th</sup> Nov 2010.
33. Comparative study for allergenicity of pollen specific protein from *Zea mays* using computational tools; 16<sup>th</sup> National Conference on Aerobiology and National Symposium on Applications of Biotechnology in Environment Management and Medicine, organized by Department of Biotechnology and Environmental Study Center of Bapuji Institute of Engineering and Technology, SS Institute of Medical Sciences and Research Center and JJM Medical College Davangere, Karnataka, 19<sup>th</sup> to 21<sup>st</sup> Nov 2010 .
34. Monitoring environment for airborne pollen and its relation to climatic factors; 16<sup>th</sup> National Conference on Aerobiology and National Symposium on Applications of Biotechnology in Environment Management and Medicine, organized by Department of Biotechnology and Environmental study center of Bapuji Institute of Engineering and Technology, SS Institute of Medical Sciences and Research Center and JJM Medical College Davangere, Karnataka, 19<sup>th</sup> to 21<sup>st</sup> Nov 2010.
35. Intraspecific pollen morphological diversity in some varieties of *Gossypium hirsutum* L. presented at XXXIV All India Botanical Conference, Organized by Department of Botany, University of Lucknow, Lucknow, October 10<sup>th</sup> -12<sup>th</sup> , 2011.

36. Computational analysis of l-ascorbate oxidase homolog protein for allergenicity from *Nicotiana tabacum* pollen; 'XXXIV All India Botanical Conference' organized by Department of Botany, University of Lucknow, during 10<sup>th</sup> to 12<sup>th</sup> October 2011.
37. Effect of air pollution on protein profile and biochemical properties of allergenic pollen of *Cassia siamea* presented at XXXIV All India Botanical Conference, Organized by Department of Botany, University of Lucknow, Lucknow, October 10<sup>th</sup> -12<sup>th</sup>, 2011.
38. Allergenicity prediction of homeobox-leucine zipper protein hox1 from *Oryza sativa* pollen using bioinformatics tools; "National Conference on Innovations in Bio-Sciences" organized by RA Arts, SMK Com. and SR Rathi Science College Washim, MS (India) during 14<sup>th</sup>-15<sup>th</sup> October 2011.
39. SEM based pollen morphodiversity in two species of *Euphorbia* (Euphorbiaceae) presented at National Seminar on Status of Biodiversity in India 2010-11, organized by Department of Botany, R.D.I.K. College, Badnera and Indian Science Congress Association, Kolkata- Amravati Chapter., 10<sup>th</sup> -11<sup>th</sup> December 2011.
40. Wood decaying in *Acacia leucophloea* (Roxb.) wild by *Schizophyllum commune* presented at National Seminar on Status of Biodiversity in India 2010-11. Organized by Department of Botany, R.D.I.K. College, Badnera and Indian Science Congress Association, Kolkata- Amravati Chapter. 10<sup>th</sup> -11<sup>th</sup> December 2011.
41. Insect pollination, fruit set and seed yield in *Brassica campestris* L. (Brassicaceae) presented at National Seminar on Status of Biodiversity in India 2010-11. Organized by Department of Botany, R.D.I.K. College, Badnera in and Indian Science Congress Association, Kolkata- Amravati Chapter. 10<sup>th</sup> -11<sup>th</sup> December 2011.
42. Floral diversity and insect behavior in Narsamma garden community, Amravati, Maharashtra, presented at National Seminar on Status of Biodiversity in India 2010-11. Organized by Department of Botany, R.D.I.K. College, Badnera and Indian Science Congress Association, Kolkata- Amravati Chapter. 10<sup>th</sup> -11<sup>th</sup> December 2011.
43. Performance evaluation of pollinators and study of flowering phenology in *Gossypium hirsutum* L., presented at National Seminar on Status of Biodiversity in India 2010-11, organized by Department of Botany, R.D.I.K. College, Badnera and Indian Science Congress Association, Kolkata- Amravati Chapter., 10<sup>th</sup> -11<sup>th</sup> December 2011.
44. Studies on pollen and pistil proteins involved in pollen-pistil interaction of *Ipomoea fistulosa* L., presented at National Congress on Stepping up with Bioscientific Technology, organized by Shiksha Mandals Jankidevi Bajaj College of Science, Wardha, 27<sup>th</sup> – 28<sup>th</sup> January 2012.
45. Micro-morphological study of *Ganoderma lucidum* (Curtis: FR) P. Karsten, Root Rot in *Butea monosperma* (Lam.) Taub., presented at National Conference on



- Mycodiversity with its Sustainable Exploration and Biotechnology Application and 38<sup>th</sup> Annual meeting of Mycological Society of India., organized by Department of Botany, Shri Shivaji Science College, Amravati and Department of Botany, S.G.B. Amravati University, Amravati., 6<sup>th</sup> -7<sup>th</sup> February 2012.
46. Micro-morphological study of *Daldinea concentric* (Bolten : Fries Cesati and De Notaries), from Yavatmal District Forest (M.S.),[Poster] Presented at International Conference on Mycology and Plant Pathology, Biotechnological Approaches ICMPB- 2012., organized by Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi- 221005, India., 27<sup>th</sup> -29<sup>th</sup> February, 2012.
  47. SEM based assessment of pollen diversity in some genera of family Leguminosae.[oral] presented at the XXXIII annual meeting of the electron microscopy society of India, organized by Indian institute of science and South zone chapter of EMSI, Bangalore 2<sup>nd</sup> -4<sup>th</sup> July 2012.
  48. A survey of airborne pollens grains from three different sites at Amravati (M.S.) [oral] presented at 17<sup>th</sup> National conference of Indian Aerobiology Society Pune on Impact of Airborne Microbes, jointly organized by MAEER's Arts, commerce and Science college, Pune and MAEER's Maharashtra Institute of pharmacy, Pune, 13<sup>th</sup> - 15<sup>th</sup> December, 2012
  49. Survey of airborne pollen grains and fungal spores in university campus of Amravati (M.S.) [oral] presented at 17<sup>th</sup> National conference of Indian Aerobiology Society Pune on Impact of Airborne Microbes, jointly organized by MAEER's Arts, commerce and Science college, Pune and MAEER's Maharashtra Institute of pharmacy, Pune, 13<sup>th</sup> -15<sup>th</sup> December, 2012
  50. Pollen as an antisolator agent: A new trend to Palynopharmacology. [oral] presented at 17<sup>th</sup> National conference of Indian Aerobiology Society Pune on Impact of Airborne Microbes, jointly organized by MAEER's Arts, commerce and Science college, Pune and MAEER's Maharashtra Institute of pharmacy, Pune, 13<sup>th</sup> -15<sup>th</sup> December, 2012
  51. Effect of air pollutants on biochemical composition of allergenic pollens of three plants collected from Amravati and Aurangabad cities of Maharashtra state. [oral] presented at 17<sup>th</sup> National conference of Indian Aerobiology Society Pune on Impact of Airborne Microbes, jointly organized by MAEER's Arts, commerce and Science college, Pune and MAEER's Maharashtra Institute of pharmacy, Pune, 13<sup>th</sup> -15<sup>th</sup> December, 2012
  52. Image segmentation for pollen classification using image processing tools; International Symposium and XXII Annual conference of Indian Association for Angiosperm Taxonomy (ISIPAT-2012), Organized by Department of Botany SGBAU, Amravati., 28<sup>th</sup> -30<sup>th</sup> October 2012.

53. Palynomorphological studies in some genera of Mimosaceae. [Oral] presented at national conference on Advances in life sciences : Present and Future (AILSPF-2013) organized by Department of Botany and Zoology, Vidya Bharati Mahavidyalaya, Amravati in collaboration with S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad), January 11<sup>th</sup> -12<sup>th</sup> 2013.
54. Reliable classification of pollen SEM images using walsh-hadamard transform based features and Neural network approach. Presented at National conference on “Recent Initiatives towards Green Electronics” organized by Post Graduate Department of Electronics, Brijlal Biyani Science College, Amravati (Maharashtra) - 444605. February 8-9 2013.
55. Pollen as an Antisolar agent: A new tread to Palynopharmacology. Presented at Anvenshan AIU Student research Convention (Central zone) 2012-13 organized by Association of Indian universities and hosted by KIIT, Bhubaneswar during 10<sup>th</sup> -12<sup>th</sup> February 2013.
56. Pollen as an Antisolar agent: A new tread to Palynopharmacology. Presented at Anvenshan AIU Student research Convention (National) 2012-13 organized by Association of Indian Universities and hosted by TISS, Mumbai during 20<sup>th</sup> -22<sup>nd</sup> march 2013.
57. Pollen morphological studies in some genera of family Lamiaceae. presented at 37<sup>th</sup> All India Conference of The Botanical Society and national Symposium on Biodiversity and Climate Change in collaboration with Maharashtra state biodiversity board, Under the agies of University of Mumbai, November 7<sup>th</sup> -9<sup>th</sup> 2014 organized by Department of Botany, kelkar education trust, V.G. Vaze college of Arts, Science and Commerce, Mithaghar road, Mulund (East) Mumbai- 400081 Maharashtra (India).
58. Bioindication of air pollution with pollen from urban environment, presented at 37<sup>th</sup> All India Conference of The Botanical Society and National Symposium on Biodiversity and Climate Change in collaboration with Maharashtra state biodiversity board, Under the agies of University of Mumbai, November 7<sup>th</sup> -9<sup>th</sup> 2014 organized by Department of Botany, kelkar education trust, V.G. Vaze college of Arts, Science and Commerce, Mithaghar road, Mulund (East) Mumbai- 400081 Maharashtra (India).
59. Influence of various pretreatments on callus induction in anther culture of *Catharanthus roseous* (L.) G. Don. [Poster] 37<sup>th</sup> Meeting of Plant Tissue Culture Association (India) and National Symposium on “Plant Biotechnology for Crop Improvement”, Organized by Tissue Culture and Transformation Laboratory CSIR National Botanical Research Institute, Luck now, 25<sup>th</sup> -27<sup>th</sup> February 2016.

60. Pollen Production of some selected *Gossypium* varieties (Malvaceae). [Poster] National Conference on Advances and Innovations in Plant science (NCAIPS-2016) Organized by Department of Botany, Govt. Vidarbha Institute of Science and Humanities, Amravati in Collaboration with Department of Botany and Botany Teacher's Association Sant Gadge Baba Amravati University, Amravati 29<sup>th</sup>-1<sup>st</sup> March, 2016.
61. Pollen Morphodiversity in some Genera of Family Bignoniaceae. [Poster] National Conference on Advances and Innovations in Plant science (NCAIPS-2016) Organized by Department of Botany, Govt. Vidarbha Institute of Science and Humanities, Amravati in Collaboration with Department of Botany and Botany Teacher's Association Sant Gadge Baba Amravati University, Amravati 29<sup>th</sup>-1<sup>st</sup> March, 2016.
62. Pollen and pistil morphodiversity in two species of *Cassia* (Caesalpinaceae). National Conference on Recent Trends in Conservation of Biodiversity organized by Department of Life Sciences, S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad), Washim on 12<sup>th</sup> March 2016.
63. Pollen morphodiversity in some genera of family Euphorbiaceae. Proceedings of National Conference on Recent Trends in Conservation of Biodiversity, National Conference on Recent Trends in Conservation of Biodiversity organized by Department of Life Sciences, S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad), Washim on 12<sup>th</sup> March 2016.
64. Effect of air pollution on *Datura innoxia* Mill. Pollen. 19<sup>th</sup> National conference of Indian Aerobiological Society organized by Bose Institute, Kolkata on December 09-11, 2016.
65. Inductive effects of different carbohydrates on callus induction in anther culture of *Madagascar Periwinkle*. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
66. Flowering phenology and yield comparison in different treatment of pollination in *Gossypium hirsutum* L. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
67. Systematic studies in some *Ipomoea* Linn. Species using floral morphology. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in

- collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
68. Pollen morphodiversity in some genera of family Euphorbiaceae. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
  69. Role of insect pollination in increasing fruit set and seed yield in *Raphanus sativus* L. (Brassicaceae). Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
  70. Biochemical studies of *Ipomoea palmata* Forsk. Pollen. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
  71. A new approach to Pollen classification using computational intelligence. Presented at National Conference on Smart India Vision-2020 Innovations in Computer Application, Management and Commerce 18th Feb 2017, organized by Vidya Barti Mahavidyalaya, Amravati.
  72. Study of flowering phenology and pollination in *Cajanus cajan* L. National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17th March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
  73. Analysis of secondary metabolites in *T. argentea* pollen by GC-MS. National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17th March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
  74. Insect pollination, fruit set and seed yield in *Sesamum indicum* L. (Pedaliaceae) National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17th March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
  75. Structure and Cytochemistry of the Stigma and Style of *Datura innoxia* Mill. (Solanaceae). National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17th March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
  76. Pollen morphodiversity in some genera of family Solanaceae National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17th March 2017

- organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
77. Wild pollinators and pollen loads carried by them in *Cicer arietinum* L. [Poster] National conference on Recent trends in Biotechnology and biodiversity organized by Department of Life Sciences Shri Shivaji Science College, Amravati on 22<sup>nd</sup> -23<sup>rd</sup> Sept. 2017.
  78. Diversity of insect pollinator in *Celosia argentea* L. from Jawhar. In National symposium cum workshop on Science and Technology for Sustainable Wildlife Management, Biodiversity and Ecosystem in India, organized by J.D. Patil Sangludkar Mahavidyalaya, Daryapur in collaboration with Indian Science Congress Association, Kolkatta, Amravati Chapter and Satpuda Foundation, Amravati during 3<sup>rd</sup>-5<sup>th</sup> December, 2017
  79. Wild pollinators and pollen loads carried by them in *Helianthus annus* L. [Oral] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup> -31<sup>st</sup> Jan. 2018.
  80. Wild pollinators and pollen loads carried by them in *Capsicum annum*. [Oral] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup> -31<sup>st</sup> Jan. 2018.
  81. Pollen morphodiversity in some genera of family Verbenaceae. [Oral] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.
  82. SEM based pollen morphodiversity in some genera of family Bignoniaceae [Poster] at two days National Seminar on "Modern Perspectives in Life Sciences" (MPLS-2018) Jointly organized by Gramgeeta Arts, Commerce and Science College, Chimur, Dist. Chandrapur and Mohsinbhai Zaweri Arts, Commerce and Science College, Desaignanj (Wadsa), Dist. Gadchiroli on 9<sup>th</sup>-10<sup>th</sup> March 2018.
  83. Melissopalynological analysis of pollen loads for Palyno-Contents and floristic diversity. [Oral] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.
  84. Assessment of morphotaxonomic relationship among *Ipomoea* Linn. [Oral] at UGC (CPE) and DST sponsored conference on Recent trends in science and technology organized by S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad) in collaboration with Department of Mathematics and IQAC, SGB Amravati University, Amravati and Shri RG Rathod College, Murtijapur on 22<sup>nd</sup>-23<sup>rd</sup> March 2018.
  85. Pollination ecology of *Ipomoea triloba* (Convolvulaceae). [Oral] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.

86. Air Pollution Exacerbates Effects of Allergic Pollen Proteins of *Cassia siamea*: A Preliminary Report. [Poster] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.
87. Differential androgenic efficiencies of microspore developmental stages in *Catharanthus roseus* (L). G. Don. [Oral: Gregory award presentations] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.
88. Effect of Air Pollution on *Tabebuia argentea* (Bur. and Schum.) Pollen. XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.
89. *In Silico* prediction of proteins involved in pollen-pistil interactions of *Bauhinia purpurea* L. [Oral] XX National Conference on Aerobiology organized by Department of Botany, SGB Amravati University, Amravati on 29<sup>th</sup>-31<sup>st</sup> Jan. 2018.
90. Role of natural pollinators on crop yields in plant cultivated around Amravati (M.S.), XXI National conference on Aerobiology-219 organized by November 2019. (Oral Presentation), Department of Botany, Vishva-Bharti Shantiniketan West Bengal. on 18<sup>th</sup> -20<sup>th</sup> November, 2019.
91. Insect pollination and their effect on seed yield in *Allium cepa* L. XXI National conference on Aerobiology-219 organized by November 2019. (Oral Presentation), Department of Botany, Vishva-Bharti Shantiniketan West Bengal. on 18<sup>th</sup> -20<sup>th</sup> November, 2019.
92. *In-Silico* Antigenic and Allergic characters predictions of putative uncharacterized protein 4 from *Oryza sativa* pollen grains. XXI National conference on Aerobiology-219 organized by November 2019. (Oral Presentation), Department of Botany, Vishva-Bharti Shantiniketan West Bengal. on 18<sup>th</sup> -20<sup>th</sup> November, 2019.
93. SEM based assessment of pollen diversity in some genera of family Asteraceae. XXI National conference on Aerobiology-219 organized by November 2019. (Oral Presentation), Department of Botany, Vishva-Bharti Shantiniketan West Bengal. on 18<sup>th</sup> -20<sup>th</sup> November, 2019.
94. Physiological dynamics of *Datura innoxia* Mill. Pollen in Amravati city of central India. XXI National conference on Aerobiology-219 organized by November 2019. (Oral Presentation), Department of Botany, Vishva-Bharti Shantiniketan West Bengal. on 18<sup>th</sup> -20<sup>th</sup> November, 2019.
95. Differential Androgenic Induction Responses in *Catharanthus roseus* (L.) G. Don. Under the Influence of Variable Carbon Source. Recent Innovations in Agri-Bioscience in Strengthening the Indian Economy: Challenges & Prospects and Farmers Meet, Dept. of Botany and Dept. of Commerce, Dr. Ambedkar College, Nagpur in association with ICAR-Central Institute for Cotton Research, Nagpur on 1st Feb., 2020.

## **VI. International Conference/Symposium/Seminar/Workshop Attended:**

1. International Conference on Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation, Department of Botany, Amravati University, Amravati, 17<sup>th</sup> to 20<sup>th</sup> Feb., 2005.
2. Nomenclature Section, Vienna, XVII International Botanical Congress, IAPT – International Association for Plant Taxonomy, Vienna (Austria), 12<sup>th</sup> to 16<sup>th</sup>, July, 2005.
3. XVII International Botanical Congress, Austria Centre, XVII International Botanical Congress, Austria Centre Vienna, Austria. 18<sup>th</sup> to 23<sup>rd</sup>, July 2005.
4. Diamond Jubilee International Conference: Changing Scenario in Palaeobotany and Allied Subjects, Birbal Sahni Institute of Palaeobotany, Lucknow, November 15<sup>th</sup> - 17<sup>th</sup>, 2006.
5. International Conference on Advances in Biosciences: From Darwin to Dolly and Beyond, held at Yeshwant Mahavidyalaya, Nanded - 431 602 (M.S.) India, 12<sup>th</sup> to 14<sup>th</sup> February, 2009.
6. XIV Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Angiosperm Systematics and Phylogeny: Retrospects and Prospects, held at National Botanical Research Institute (NBRI), Lucknow. 12<sup>th</sup> to 14<sup>th</sup> November 2009.
7. XXXII All India Botanical Conference and International Symposium on Diversity of Plants and Microbes: Present Scenario, organized by Department of P. G. Studies and Research in Applied Botany Kuvempu University Shankaraghatta, Shimoga Dist. (Karnataka) and Indian Botanical Society, during 28<sup>th</sup> to 30<sup>th</sup> Dec. 2009.
8. XVIII Congress of the Federation of European Societies of Plant Biology (FESPB) 2010, organized by Grupo Geyseco. C/Universidad, 446003 Valencia, Spain, during 4<sup>th</sup> to 9<sup>th</sup> July, 2010.
9. International Conference on Conservation and Management of Pollinators, September 14<sup>th</sup> -17<sup>th</sup>, 2011, Kuching, Sarawak, Malaysia.

## **VII. National Conference/Symposium/Seminar/Workshop Attended:**

1. Fifth All India Symposium on Palynology. Department of Botany, Institute of Agricultural Science, Nagpur, Oct. 7<sup>th</sup> -9<sup>th</sup>, 1987.

2. Maharashtra State Education Conference on Current Issue and Innovation in Higher Education, Shri Shivaji College of Education, Amravati, Jan.29<sup>th</sup> –31<sup>st</sup>, 1992.
3. Conference on Recent Trends in Botany, Department of Botany, Amravati University, Amravati, Dec.6<sup>th</sup> –8<sup>th</sup> , 1993.
4. NSS Officers Workshop, 3<sup>rd</sup> - 4<sup>th</sup>, Nov.1996.Amravati University, Amravati.
5. Apiculture Training Programme, Maharashtra State Khadi and Gram. Mandal and Madhamasha Palan Sanstha Mahabaleshwar, 14<sup>th</sup> to 20<sup>th</sup> Feb.1997.
6. 22<sup>nd</sup> All India Botanical Conference Shri Vile Parle Kelvani Mandals Mithibai College of Arts, Chauhan Institute of Science and A.J.College of Com. and Eco. and local organising committee, Vile Parle (W), Mumbai 400056,Oct. 23<sup>th</sup> –25<sup>th</sup>, 1999.
7. 10<sup>th</sup> National Conference on Aerobiology and its Applications. Department of Botany, Andhra University, Visakhapatnum 530003, A.P., Dec.20<sup>th</sup> –22<sup>nd</sup>, 1999.
8. Workshop on “Energizing Curriculum for Up gradation of Standards”, TRDEA, Amravati University, Amravati, July 14<sup>th</sup>-15<sup>th</sup> 2001.
9. State Level Symposium on Application of Genetic Engineering, Department of Botany, Dr. Ambedkar College, Deeksha Bhoomi, Nagpur, 6<sup>th</sup> Jan.2002.
10. National Conference on Frontiers in Biotechnological Aspects of Plant Sciences, Department of Botany, Dr Babasaheb Ambedkar Marathwada University, Aurangabad-431004 (M.S.), 30<sup>th</sup> -31<sup>st</sup> Jan.2002.
11. Seminar on Mushroom Technology, Dr.Punjabrao Deshmukh Krishi Vidyapeeth, Akola and Shri Shivaji Agriculture College Amravati, 21<sup>st</sup> -22<sup>nd</sup> March 2002.
12. Silver Jubilee Conference of Indian Botanical Society and National Symposium on Biosciences: Advance Impact and Relevance. Department of Plant Sciences, MJP Rohilkhand University, Bareilly .27<sup>th</sup>-29<sup>th</sup> Oct.2002.
13. XVIII National Symposium on Recent Trends in Life Sciences with Special Reference to Wild- life and Conservation. Post Graduate Department of Zoology, Amravati University, Amravati 444602, Nature Conservation Society, Amravati (MS) and Indian Society of Life Sciences, Kanpur (UP) 16<sup>th</sup> to 19<sup>th</sup> November, 2002.
14. Workshop on Electronic Herbarium and Digital Database Preparation organized by Department of Botany, The Institute of Science, Mumbai; sponsored by UGC and DAE- BRNS from 17<sup>th</sup> to 18<sup>th</sup> February 2003.
15. National Workshop on Municipal Solid Waste Management, Department of Microbiology, Amravati University, Amravati, July 25<sup>th</sup> –26<sup>th</sup> ,2003.



16. ASHWAMEDH-2003, VII Maharashtra State Inter University Sports Meet, Amravati University, Amravati, 27<sup>th</sup> Nov. to 1<sup>st</sup> Dec., 2003.
17. Workshop on Molecular Biology, Department of Zoology, Amravati University, Amravati, 1<sup>st</sup> –2<sup>nd</sup> Aug., 2004.
18. Workshop on New UGC Curriculum, Department of Botany, Amravati University, Amravati, 12<sup>th</sup> Sep., 2004.
19. Workshop on Janglatil vanaspathincha vras aani upay jointly organized by TRDEA and Department of Botany, Amravati University, Amravati and P.N.College, Pusad, 20<sup>th</sup> Jan 2005.
20. 13<sup>th</sup> National Conference on Aerobiology (Silver Jubilee Celebration), Department of Botany, Institute of Science, Nagpur, 31<sup>st</sup> Jan. to 2<sup>nd</sup> Feb., 2005.
21. State level Workshop on State wise Analysis of Accreditations Report- Maharashtra, National Assessment and Accreditation Council, Bangalore and Quality Assurance Cell Higher and Technical Education Department, Government of Maharashtra, at Sanhyadri State Guest House, Malbar Hill, Mumbai 17<sup>th</sup> October 2005.
22. National Workshop on Re-Accreditation of College and Universities, AAIDO and IQHE, Bangalore, 7<sup>th</sup> to 11<sup>th</sup> October 2005.
23. Emerging Trends in Medicinal Plants and Their Biotechnological Advances, Department of Botany Dr. Ambedkar College, Nagpur, 5<sup>th</sup> and 6<sup>th</sup> Jan., 2007.
24. 14<sup>th</sup> National Conference on Aerobiology School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 15<sup>th</sup> to 17<sup>th</sup> Jan., 2007.
25. Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation, Department of Biotechnology and Biological Sciences Shri Shivaji Science College, Amravati, 28<sup>th</sup> to 30<sup>th</sup> Jan., 2007.
26. One Day Seminar on “Recent Trends in Life Sciences”, Post Graduate Department of Botany, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, 14<sup>th</sup> August 2008.
27. Training Programme on Bio-informatics in Data Analysis of Genes and Proteins, Bioinformatics Centre of BTISnet, Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, 5<sup>th</sup> to 7<sup>th</sup> September, 2008.
28. National Conference on Recent Trends in Biosciences organized by Department of Botany, Zoology and Environmental Science, Institute of Science, Nagpur during 20<sup>th</sup> to 21<sup>st</sup> January, 2009.
29. 15<sup>th</sup> National Conference on Aerobiology and National Symposium on Plant, Animal and Human Health, Deptt. of Life Sciences, Manipur University, Imphal. 6<sup>th</sup> to 8<sup>th</sup> March, 2009.

30. National Seminar on Biotechnology for Agriculture, Health, Industry and Environment, College of Agriculture, Nagpur, 20<sup>th</sup> to 21<sup>st</sup> February 2010.
31. National Conference on Trends in Plant Sciences: Today and Tomorrow organized by Department of Botany, Shri. Shivaji College, Akot, Dist. Akola 444101. Maharashtra (India) during 22<sup>nd</sup> – 23<sup>rd</sup> February.
32. One day workshop for farmers on “Rearing of Honey Bee and Honey Production”, Department of Botany and Department of Zoology, Arts, Commerce and Science College, Arvi, Dist. Wardha. 19<sup>th</sup> September 2009.
33. TRDEA workshop on Science and Environment, Z.P. School, Deulgaon, Tq. Akot, Dist. Akola, 29<sup>th</sup> March 2010.
34. Golden Jubilee National Symposium on Plant Diversity Utilization and Management, Organized by Department of Botany, University of Kerala, during 27<sup>th</sup> to 29<sup>th</sup> May 2010.
35. First Global Congress on Plant Reproductive Biology, Organized by The Society of Plant Reproductive Biologist, Agra, 22<sup>nd</sup> -24<sup>th</sup> Oct. 2010.
36. XXXIII Conference of India Botanical Society and International Symposium on New Horizons of Botany, Organized by Department of Botany, Shivaji University Kolhapur, Maharashtra, 10<sup>th</sup> to 12<sup>th</sup> Nov. 2010.
37. 16<sup>th</sup> National Conference on Aerobiology and National Symposium on Applications of Biotechnology in Environment Management and Medicine, organized by Department of Biotechnology and Environmental Study Center of Bapuji Institute of Engineering and Technology, SS Institute of Medical Sciences and Research Center and JJM Medical College Davangere, Karnataka, during 19<sup>th</sup> to 21<sup>st</sup> Nov. 2010.
38. Golden Jubilee Celebrations and National Seminar on “ Technical Terminology in Indian Languages” organized by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education, New Delhi, during 27<sup>th</sup> to 29<sup>th</sup> April 2011.
39. National Seminar on Status of Biodiversity in India 2010-11, organized by Department of Botany, R.D.I.K. College, Badnera in collaboration with Indian Science Congress Association, Kolkata- Amravati Chapter, 10<sup>th</sup> -11<sup>th</sup> December 2011.
40. National Conference on Mycodiversity with its Sustainable Exploration and Biotechnology Application and 38<sup>th</sup> Annual meeting of Mycological Society of India., organized by Department of Botany, Shri Shivaji Science College, Amravati and Department of Botany, S.G.B. Amravati University, Amravati., 6<sup>th</sup> -7<sup>th</sup> February 2012.

41. Seminar on Eco Diversity and Its Management organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati on 29<sup>th</sup> February 2012.
42. National Seminar cum Training programme on Research and Conservation of Biological Resources and The Biological Diversity Act-2002, 22nd January 2016.
43. National Conference on Advances and Innovations in Plant science (NCAIPS-2016) Organized by Department of Botany, Govt. Vidarbha Institute of Science and Humanities, Amravati in Collaboration with Department of Botany and Botany Teacher's Association Sant Gadge Baba Amravati University, Amravati 29th-1st March, 2016.
44. Pollen. 19<sup>th</sup> National conference of Indian Aerobiological Society organized by Bose Institute, Kolkata on December 09-11, 2016.
45. Workshop on Capacity Building for New Incubation Centers under startup India Mission, organized by The British High Commission 1<sup>st</sup> Dec 2016.
46. Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP-2016) organized by Department of Botany, Sant Gadge Baba Amravati University in collaboration with Science Research Institute Internationale, Nagpur on December 30-31, 2016.
47. Workshop on "Right to Human Act 2005" organized by Yashvant Chauhan Vikas Prashasan Prabodhini and Sant Gadge Baba Amravati University, Amravati. 2<sup>nd</sup> December 2016.
48. Training Programme on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, organized by Maharashtra State Commission for Women and Sant Gadge Baba Amravati University, Amravati. 9<sup>th</sup> Feb. 2017.
49. National Conference on "Recent Advances and Opportunities in Biological Sciences" on 17th March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
50. Two day Residential Workshop on Academic Autonomy on August 1-2, 2016 organized by RUSA in partnership with Dept. of Economics, University of Mumbai at Vidyanagari, Mumbai University, Mumbai.

**VII. Conference/Symposium/Seminar/Workshop attended as a Chief guest/Inaugurator/Chairperson/Speaker.**

51. Chief Guest at the Valedictory Function, National Seminar, K.L. Kadhi Mahavidyalaya, Achalpur. 30/1/2012.
52. Inaugurator, National Conference on Economics, Malkapur, 4/2/2012.
53. Chief Guest, Educational Research Planning Workshop under MHRD/NMEICT Mission, Shri Shivaji Science College, Amravati. 25/2/2012

54. Inaugurator, Workshop of Mahila Sarpanch, 29/2/2012
55. Conference, Buldhana, 17-18/3/2012
56. Chief Guest at the Valedictory Function, Feminism in Contemporary India-2012, Viyda Bharti Mahavidyalaya, Amravati. 30/3/2012
57. Chairman, at the Valedictory Function. Physics Conference 29/5/2012
58. Chief Guest, University Website inauguration function, New Management Council Hall, SGBAU, 6/9/2012
59. Chief Guest, History Conference, Late Dattatraya Pusadkar Mahavidyalaya, Nandgaon Peth, 8/9/2012
60. Chief Guest, Yuwa Mahotsava, Dr. Babasaheb Nadurkar Mahavidyalaya, Yavatmal, 2/10/2012
61. Chief Guest, Gramgita Lecture Series, K.L. College, Amravati. 5/10/2012
62. Chief Guest, Gramgita Lecture Series, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, 6/10/2012
63. Chief Guest, District Level Workshop on Disaster Management, Amolakchand Mahavidyalaya, Yavatmal. 20/10/2012
64. Chief Guest, NCRTP -2012, Mungsaji Maharaj Mahavidyalaya, Darwha, Distt. Yavatmal, 26/10/2012
65. Inaugurator, N.S.S.'s Special Camp, Village- Pardi by Takshashila Mahavidyalaya, Amravati., 1/12/2012
66. Inaugurator, Spider Workshop, Deptt. of Zoology, SGB Amravati University. 1/12/2012
67. National Aerobiological Conference, MIT, Pune. 13-15/12/2012
68. Chief Guest, Lecture Series, Shri Shivaji Science College, Akola
69. Inaugurator, National Conference on Lasers and Their Applications, B.B. Arts, N.B. Commerce & B.P. Science College, Digras. 28/12/2012
70. Chairman, Lecture Series Buddhist Study Centre, A.V. Theatre S.G.B. Amravati University, Amravati. 29/12/2012
71. Chairperson, Inter-Collegiate Research Festival Avishkar – 2012, Deptt. of Botany, SGB Amravati University. 2/1/2013
72. Inaugurator, special N.S.S. Camp, Shri Shivaji Agriculture College, Amravati. 3/1/2013
73. Chairman, Valedictory function, National Seminar on “Trends in Nano-Biotechnology, Deptt. of Bio-Technology, SGB Amravati University. 4/1/2013
74. Chief Guest at the Inaugural Function, Golden Jubilee Inauguration Function, Kisanlal Nathmal Arts & Science College, Karanja Lad. 5/1/2013
75. Chairperson, One Day Special Workshop for Ph.D. Students in the Faculty of Social Sciences, Deptt. of Sociology, SGB Amravati University. 10/1/2013

76. Chief Guest, National Conference on “Advances in Life Sciences: Present and Future”, Vidya Bharati Mahavidyalaya, Amravati. 12/1/2013
77. Chairperson, National Reading Day, Deptt. of Library, SGB Amravati University. 19/1/2013
78. Chief Guest, Three Days Workshop on “Aero-Modeling “ IBSS College of Engineering, Ghatkheda, Amt. 21/1/2013
79. Guest, National Science Day – 2013 “Genetically Modified Crops and Food Security, Dept. of Botany, SGB Amravati University. 29/1/2013
80. Inaugurator, One Day Workshop on “Women’s Self-Defense”, jointly organized by University Women’s Study Centre & HVPM. 31/1/2013
81. Chief Guest, Workshop on “Vision for Career”, Mungsaji Maharaj Mahavidyalaya, Darwaha, Distt. Yavatmal, 1/2/2013
82. Chairman at the Valedictory Function, Workshop on “Patents and Intellectual Property Management”, Deptt. of Physics, SGB Amravati University. 7/2/2013
83. Chief Guest, National Conference on “Recent Initiatives towards Green Electronics”, Brijlal Biyani Science College, Amravati. 9/2/2013
84. Guest of Honour, National Science Day – 2013 “Genetically Modified Crops and Food Security, Deptt. of Botany, SGB Amravati University. 16/2/2013
85. Chairperson, Vasanttrao Naik Lecture Series, Babasaheb Naik College of Engineering, Pusad 23/2/2013
86. Chief Guest at the Valedictory Function, UGC Sponsored National Conference on “World Trade Organization and International Trade”, Vidya Bharti Mahavidyalaya, Amravati. 23/2/2013
87. Chief Guest , National Level Technical Event of Tech-Know Exports-2013 on “Automation for Small Scale Industries”, Prof. Ram Meghe Institute of Technology & Research, Badnera 27/2/2013
88. Chief Guest, Marathi bhasha gaurav din vyakhyanmala, P.G. Department of Marathi, S.G.B. Amravati University, Amravati. 27/2/2013
89. Guest of Honour at the Valedictory Function, National Science Day-2013, Deptt. of Botany, SGB Amravati University. 28/2/2013
90. President, Shahiri Training for University Students, Student Welfare Department, S. G. B. Amravati University, Amravati, 28/2/2013.
91. Chief Guest, Technical Festival PAROKSHA-2013, G.H. Raisonni College of Engineering, Anjangaon Bari, Amravati. 1/3/2013.
92. National workshop scientific research paper writing, National Academic of Science, at Department of Chemistry, S.G.B. Amravati University, Amravati 5/03/2016.

93. Chief Guest at Inaugural Function Of UGC sponsored National Conference on “Recent Trends in Conservation of Biodiversity” organized by Swatantrya Shainik Shri Kanhaiyalaji Ramchandra Innani Mahavidyalaya, Karanja (Lad) Dist. Washim. 3<sup>th</sup> March 2016.
94. President at Valedictory function of Workshop on Research Methodology, Department of Home Science, Sant Gadge Baba Amravati University, Amravati. 21<sup>th</sup> March 2016.
95. Chief Guest, Workshop on “Techniques in Molecular Biology”, Vidya Bharati Mahavidyalaya, Amravati. 16<sup>th</sup> April 2016.
96. President at valedictory function of “Kavi Keshavasut Kavyasparidha”, Department of Marathi, Sant Gadge Baba Amravati University, Amravati on 10<sup>th</sup> Sept 2016.
97. Chief Guest at Inaugural Function of one day workshop on Research Methodology and Perspectives, 26<sup>th</sup> October 2016, organized by Research Coordination Committee under the Internal Quality Assurance Cell, Vidyabharati Mahavidyalaya, Amravati.
98. Guest of Honor for Valedictory function of State level IT event- “Pratibha” 2017 at Vidyabharati Mahavidyalaya, Amravati.
99. Invited talk on ‘Air pollution exacerbates effects of allergenic pollen proteins’ National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17<sup>th</sup> March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
- 95 Chair person at Inaugural Function of one day Workshop on “Career Counseling” for students, 30<sup>th</sup> March 2017, Department of Zoology, Sant Gadge Baba Amravati University, Amravati.
- 96 “**Chief Guest**” of valedictory function of UGC sponsored state level seminar on Current scenario of Botanical research (SSCSBR-2018) on dated 2<sup>nd</sup> Feb. 2018; organized by Shri Shivaji College of Arts, Commerce and Science, Akola.
- 97 “**Chairperson**” for panel of discussion and resolution session during the National Conference on Recent Trends in Biotechnology and Biodiversity (NCBB-2017) on 23<sup>rd</sup> Sept. 2017; organized by Shri Shivaji Science College, Amravati.
- 98 “**Chief Guest**” of Wild Glory exhibition and competition of wild flowers organized by Vinayak Vidnyan Mahavidyalaya, Nandgaon (Kh.), Vinayak Vidyamandir Arts, Commerce and Science College, Amravati and Amravati Garden Club, Amravati on 25<sup>th</sup> Sept. 2017.
- 99 “**Chief Guest**” for first technical session of one day university level workshop on Pursuing research in New Context at SGBAU, Amravati on 12<sup>th</sup> Aug. 2017; organized by Vidya Bharati Mahavidyalaya, Amravati.

- 100 **“Inaugurator”** of one day state level seminar on The role of ICT in Quality Education on 20<sup>th</sup> April 2017; organized by IQAC MSP Arts, Science and KPT Comm College, Manora, Dist. Washim.
- 101 Inauguration of Mathematical Society. Organized by Department of Mathematics, Sant Gadge Baba Amravati University, Amravati. On 29 Sept.2018
- 102 Sarwangan Balsanskar Shibir 12 to 21 May 2018. Organized by Sadguru Narayan Maharaj Balsanskar Mandal, Aasra. On 21 May 2018
- 103 Music Competition. Organized by Mahila Mahavidyalaya, Amravati. On 03 Jan.2019.
- 104 Degree distribution ceremony Organized by Smt. Kesharbai Lahoti Mahavidyalaya, Amravati. On 31 Jan.2019.
- 105 Diversity of Environmental allergens and its threat to human health. Organized by Taywade College , Mahadula-Koradi, Nagpur on 9<sup>th</sup> February, 2019.
- 106 **“Chief Guest”** Convocation ceremony organised by Shri. Gadge Maharaj Mahavidyalaya Murtijapur Dist. Akola on 21<sup>st</sup> January, 2020
- 107 **“Chief Guest”** Sanwad programme organised by Mahila Mahavidyalaya, Amravati, 5<sup>th</sup> February, 2020.
- 108 Intellectual guidance at National Conference entitled “Multidisciplinary research in science and technology for healthy life style management, Shri. Radhakisan Laxminarayan Toshniwal College of Science, Akola held on 24<sup>th</sup> January, 2020.
- 109 **“Chief Guest”** at National Conference entitled “Multidisciplinary research in science and technology for healthy life style management, Shri. Radhakisan Laxminarayan Toshniwal College of Science, Akola held on 24<sup>th</sup> January, 2020.
- 110 **“Chief Guest”** at Online State Level e- Seminar on Scope, Objectives and Benefits of Mushroom Farming: A New Business Opportunity (SOBMF-2020), Krishak Educational Society’s Arts, Commerce and Science College Arvi, Dist- Wardha on 23<sup>rd</sup> December, 2020.
- 111 **“Chief Guest”** at Virtual National Conference on Biodiversity and Biotechnology of Fungi and 47<sup>th</sup> Annual Meeting of Mycological Society of India, Shri Shivaji Science College Amravati on 22-24 February, 2021.
- 112 **“Inaugurator”** at State level seminar on Post Cold War Foreign Policies of SAARC Countries organized at G.S. College, Khamgaon on 20/12/2014.

#### **Technical Sessions Chaired:**

- i) Technical session: Section I, Biotechnological Issues in Medicinal Plants, 05.01.2007 at Emerging Trends in Medicinal Plants and Their Biotechnological Advances, Department of Botany, Dr. Ambedkar College, Nagpur, 5<sup>th</sup> – 6<sup>th</sup> Jan.2007.

- ii) Technical session I :IV-B (E 16 –E 21), 16.01.2007 at 14th National Conference on Aerobiology, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 15<sup>th</sup> –17<sup>th</sup> Jan.2007.
- iii) Chaired the technical session at State level seminar on “Emerging Trends in Biotechnology” organized by Shri Shivaji College of Biotechnology, Amravati to 24<sup>th</sup> Jan. 2008.
- iv) Technical Session Reportear at National Conference on Recent Trends in Biosciences organized by Department of Botany, Zoology and Environmental Science ,Institute of Science, Nagpur during 20<sup>th</sup> to 21<sup>st</sup> January 2009.
- v) Technical Session Chairman at National Conference on “Trends in Plant Sciences: Today and Tomorrow” organized by Department of Botany Shri. Shivaji College, Akot, Dist. Akola 444101. Maharashtra (India) during 22<sup>nd</sup> – 23<sup>rd</sup> February, 2010 during 22<sup>nd</sup> – 23<sup>rd</sup> February, 2010
- vi) Jury Member for Poster and Oral Competition at “Golden Jubilee National Symposium on Plant Diversity Utilization and Management” Organized by Dlepartment of Botany, University of Kerala, during 27<sup>th</sup> to 29<sup>th</sup> May 2010.
- vii) Technical Session VI dated, 24th Oct. 2010 was Chaired at “First Global Congress on Plant Reproductive Biology”, organized by The Society of Plant Reproductive Biologist, Agra.
- viii) Technical Session 2C dated, 20<sup>th</sup> Nov. 2010 was Chaired at “16<sup>th</sup> National Conference on Aerobiology and National Symposium on Applications of Biotechnology in Environment Management and Medicine”, organized by Department of Biotechnology and Environmental study center of Bapuji Institute of Engineering and Technology, SS Institute of Medical Sciences and Research Center and JJM Medical College Davangere, Karnataka.
- ix) Chairman technical session at International Conference on Conservation and Management of Pollinators, September 14<sup>th</sup>-17<sup>th</sup>, 2011, Kuching, Sarawak, Malaysia.
- x) Chairman technical session at 19<sup>th</sup> National Conference of Indian Aerobiological Society at Bose Institute, Kolkatta from December 09-11, 2016.

#### **VIII. Guest Lectures/Plenary Talks:**

- i. **Guest Lectures delivered** at Refresher Courses/Departments, More than:40
- ii. **Guest Lecture delivered** at Valencia University, Spain: 01
- iii. **Guest Lecture** in UGC sponsored Refresher Course in Environmental Science – (ID) on 9<sup>th</sup>-10<sup>th</sup> October 2010.
- iv. **Plenary talk** on Floral rewards and Pollinator diversity from Vidarbha region of Maharashtra (India) at International conference on Conservation and



Management of pollinators, September 14<sup>th</sup> -17<sup>th</sup>, 2011, Kuching, Sarawak, Malaysia.

- v. **Invited Lecture** on Effect of Heavy metals on Pollen, at 19<sup>th</sup> National Conference of Indian Aerobiological Society at Bose Institute, Kolkatta from December 09-11, 2016.
- vi. **Guest Lecture on** Biodiversity and Conservation at UGC Sponsored 38<sup>th</sup> Orientation Programme organized by UGC Human Resource Development Centre, Sant Gadge Baba Amravati University, Amravati on 22<sup>nd</sup> Nov. 2016.
- vii. **Guest lecture on** Research Methodology for Sustainable and Innovative Research, Organizes by UGC Human Resource Development Center Short Term Course in Research Methodology for Science Subject , UGC Human Resource Development, Sant Gadge Baba Amravati University Amravati,21 Nov.2016.
- viii. **Invited talk** on ‘Air pollution exacerbates effects of allergenic pollen proteins’ National Conference on “Recent Advances and Opportunities in Biological Sciences” on 17<sup>th</sup> March 2017 organized by Late Pundlikrao Gawali Arts and Science Mahavidyalay, Shirpur (Jain).
- viii. **Invited talk on** “Utilities of Biodiversity and its conservation” on 6<sup>th</sup> October 2016, organized by Department of Botany and Environmental Science of the College, Smt. Narasamma Hirayya Shaikshanik Trust’s Arts, Commerce and Science College, Amravati.
- ix **Guest lecture on** “Strategies for Reproduction in Angiosperms” on 28<sup>th</sup> Sept. 2016. and Inaugurated the Botanical Association, Organized by Mahatma Fule Arts, Commerce and Sitaramji Chudhari Science Mahavidyalaya, Warud.
- x **“Guest lecture”** on Good Agricultural practices in the refresher course on Recent Advances in Agricultural Development and Its Application during 23 June – 7 July 2017; organized by Shri Shivaji Agriculture College, Amravati.
- xi **Invited talk on** Pollen structure and allergy Department of Microbiology, SGBAU, Amravati on 12/02/2019
- xii **Invited talk on** Pollen morphology and its significance, Department of Botany, Brijlal Biyani Science College, Amravati On 22/09/2018.
- xiii **Delivered lecture on** Pollen Biology held on 23<sup>rd</sup> July, 2019 organised by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- xiv **Delivered Lecture in** Refresher course of Life Sciences held during 7<sup>th</sup> January, 2020 to 20<sup>th</sup> January, 2020 by UGC-HRDC, Sant Gadge Baba Amravati University, Amravati.
- xv **Mahatma Phule Madhyamik Vidyalaya**, Late Janabai G. Ghatole English Primary and Pre-Primary Vidyalaya, Dhanodi, Tal. Warud, Dist. Akola.

#### IX. Honors / Recognitions/ Awards:

1. Honored as a Regular Library Reader, Vidya Bharti Mahavidhyalaya, Amravati.
2. Certificate of Merit for Academic proficiency by Vidyabharti Shaikshanik Mandal, Amravati.
3. Letter of Recognition from University of Haifa, Israel.
4. Certificate of Appreciation from Ministry of Tourism, Israel.
5. Letter of Appreciation for successful organization of International Conference ICPSBC-05 as a Convener from Hon'ble Management Council Sant Gadge Baba Amravati University, Amravati.
6. Letter of Appreciation for successful conduction of 'Ashwamedh-2003'.
7. **P.H. Gregory Award (Third) 2009** for research paper entitled "Prediction of allergic and antigenic characters of major pollen allergen pha a 1 from *Phalaris aquatica* (Canary grass) presented at 15<sup>th</sup> National Conference on Aerobiology and National Symposium on Plant, animal and Human Health jointly organized by Indian Aerobiological Society and Department of Life Sciences, Manipur University, Imphal. 6<sup>th</sup> to 8<sup>th</sup> March, 2009.
8. Felicitation at the hands of Prof. M. Muniyamma and Prof. C. M. Gohil in appreciation of research contribution at "XXXII All India Botanical Conference and International Symposium on Diversity of plants and Microbes: Present Scenario", organized by Department of P. G. Studies and Research in Applied Botany Kuvempu University Shankaraghatta, Shimoga Dist. (Karnataka) and Indian Botanical Society Jaipur (Rajasthan) ), during 28<sup>th</sup> to 30<sup>th</sup> Dec. 2009.
9. **Second prize** for research paper presentation at National Congress: Innervate 2012, organized by Jankidevi Bajaj College of Science, Wardha during 27<sup>th</sup> to 28<sup>th</sup> January 2012.
10. Felicitated by citation **Birbal Sahni Award** for the year 2012 by Birbal Sahani Institute of paleobotany, Lucknow in International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012) organized by Department of Botany. Sant Gadge Baba Amravati University, Amravati-444602 (M.S.), 28<sup>th</sup> -30<sup>th</sup> October 2012.
11. **First prize** in Central zone AIU student research convention 2012-13 for the project entitled " Pollen as an Antisolar agent : A new tread to Palynopharmacology" by Ugale C.V. and **Tidke J.A.** organized by Association of Indian universities and hosted by KIIT, Bhubaneswar during 10-12 February 2013.
12. **Patent entitled "Reliable process for pollen classification from pollen images using computational intelligence"** from Controller general of patents, Designs and Trademark,

Department of industrial policy and promotion, Ministry of commerce and industry, India on 22/05/2015.

13. Short listed for the post of Vice-Chancellor (2016) for Sant Gadge Baba Amravati University, Amravati.
14. **P.H. Gregory Award (Third Prize)** of Indian Aerobiological Society, India for Research Paper presentation at XX National Conference on Aerobiology- “Airborne Pollen and Spores: Assessment, Impact and Scope” held on 29th-31st, 2018 at Department of Botany, SGB Amravati University, Amravati.
15. **Third Prize** for Research Paper presentation (Poster) at XX National Conference on Aerobiology- “Airborne Pollen and Spores: Assessment, Impact and Scope” held on 29th-31st, 2018 at Department of Botany, SGB Amravati University, Amravati.
16. Fellowship awarded as **Fellow of Indian Aerobiological Society (FIAS)**.
17. Prof. A. Ramlingam Memorial Lecture: Reward level and Behavior of pollinators, Department of Botany, Visva-Bharati, Santiniketan and Indian aerobiological Society, (IAS). Kolkata West Bengal on 18th to 20th November, 2019.
18. **Third Prize** in Teachers Category for **Research Paper presentation (Oral)** at International E-Conference on Innovative Research Trends in Life Sciences on December 03<sup>rd</sup>-05<sup>th</sup>, 2020 at Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.).

#### **X. Membership of Learned Societies/Associations:**

##### **Life Member:**

- Indian Botanical Society.
- Indian Science Congress Association.
- Indian Aerobiological Society, Kolkata.
- Indian Association for Angiosperm Taxonomy (IAAT) Calicut.
- The Society of Plant Reproductive Biologists, Agra.
- All India Beekeeper’s Association, H.O.B 25, Sadashiv Peth, Pune 411 003.
- Botanical Society, Department of Botany Dr.H.S.Gour University, Sagar 470003 (M.P.).
- Member of International Association of Pollination Ecologists and Palynologists.
- Alumni Association Amravati University, Amravati.
- Nagpur University Teachers Association, Nagpur
- New Gramin Vikas Shikshan Sanstha Pardi (Devi), Dist. Amravati Regi. No.9036.
- Shri Sant Pundlic Maharaj Sewa Mandal Sangvi (Durgwada), Regi.No.754 F 841.
- Indian Farmers Agrobiotech Association, Amravati
- International commission for plant pollinator relationship, Canada.

**Executive Member:**

- Indian Aerobiological Society, Kolkata, (Ex- Executive member).
- Gramin Vikas Shikshan Sanstha Pardi (Devi), Dist.Amravati Regi. No.9036.
- Secretary, Indian Farmers Agrobiotech Association, Amravati.
- Elected as **Secretary and Treasurer** of Indian Aerobiological Society, Kolkata.

**International/National Journal Editorial Board Memberships:**

- Editor in Chief(Ex.) : Journal of Botanical Research (Bioinfo Publi.)
- Member : Indian Journal of Aerobiology
- Member : International Journal of Bioinformatics
- Member (Ex.) : International Journal of Biotechnology Research
- Ex- Councilor : International Journal of Plant Reproductive Biology
- Member : The Botanique

**XI. Journals Subscribed in the Capacity of Life Memberships:**

- Journal of The Indian Botanical Society.
- Journal of Phytological Research.
- Journal of Indian Aerobiological
- Journal of Angiosperm Taxonomy
- The International Journal of Plant Reproductive Biologist
- Indian Bee Journal
- Journal of Botanical Society (Sagar)
- Everyman's Science

**XII. Co-Curricular/Extra Curricular Activity:**

1. **Superintendent**, SET Examination. Department of Botany, Sant Gadge Baba Amravati University, Amravati (2003).
2. **Incharge Teacher**, Botanical Society, Department of Botany, Sant Gadge Baba Amravati University, Amravati (2003).
3. **Valuation Officer (PG)**, Central Valuation Center, Amravati University, Amravati (2004).
4. **Chief Guest**, Inauguration of Science Forum 2004-2005, Jagdamba Mahavidyalaya, Achalpur.
5. **Chief Guest**, Inauguration of Botanical Society, M.F. Arts, Com. and S.C.Science College, Warud (2005).
6. **Chief Guest**, Inauguration of Nature Club Department of Botany, Bar RDIK and NKD College Bandera on 3/10/06.
7. **Chief Guest**, "Shramadan Activity" at P.G.T.D. of Education, S.G.B. Amravati University, Amravati on 4/09/06.

8. **Incharge**, Botanical Excursion 2006-07, Department of Botany, Sant Gadge Baba Amravati University, Amravati.
9. **Chief Guest**, Inauguration of Botanical Society, Department of Botany, Amolakchand Mahavidhyalaya, Yavatmal on 3/01/07.
10. Organized workshop on Environmental Awareness under citizen's forum activity at village Sangvi, Durgwada (2007).
11. Organized Exhibition on Medicinal Plants at village Sangvi, Durgwada, (2007).
12. Conducted Extension Activity cultivation of potato for tribal peoples of Melghat at Kolupur Ta. Dharni Dist. Amravati (2007).
13. Organized Exhibition on Medicinal Plants at village Pardi (Devi) Dist.-Amravati. (2007).
14. **Manager**, Sant Gadge Baba Amravati University Youth Festival, Amravati during 25-28/09/2010.

### XIII. Computer Training:

- Certificate Course in Information Technology; conducted by Maharashtra State Board of Vocational Examinations, Mumbai, held in July 2002.
- MS-CIT (2010).

### XIV. Memberships on Statutory Bodies/ Committees: (Last 5 Years)

#### 2015-2016

- **Chairman:** Research and Recognition Committee for about 50 subjects in 9 faculties.
- **Chairman:** Grievance Committee, SGB Amravati University, Amravati
- **Member:** Senate, SGB Amravati University.
- **Member:** Management Council, SGB Amravati University.
- **Member:** Academic Council, SGB Amravati University.
- **Member:** Board of College and University Development.
- **Member:** Board of University Teaching and Research, SGB Amravati University.
- **Member:** Building and Works Committee, SGB Amravati University.
- **Member:** Finance and Accounts Committee, SGB Amravati University.
- **Member:** Senate/Academic Board, Government College of Engineering, Amravati.
- **University nominee:** on Governing Body of Mauli Group of Institutions, College of Engineering and Technology, Shegaon, Dist Buldhana.
- **Member:** Board of Studies in Botany, Dr. B. A. M. University, Aurangabad.
- **Member:** Doctoral Research Committee, R.T.M. Nagpur University.
- **Member:** Doctoral Research Committee, Pt. Ravishankar Shukla University, Raipur.
- **Member:** Board of Studies in Molecular Biology and Genetic Engineering (ad-hoc), RTM Nagpur University, Nagpur.
- **Member:** Internal Quality Assessment Cell (IQAC), SGB Amravati University.
- **Member:** State level Committee for Academic audit.
- **Member:** On several different committees and subcommittees at University level.
- **Chairman:** Committee for preparing proposal under the scheme of Center of Potential for Excellence

## 2016-2017

- **Member:** Internal Quality Assessment Cell (IQAC), SGB Amravati University.
- **Member:** Academic Council, SGB Amravati University.
- **Chairman:** Committee for Start-up project under RUSA.
- **Convener:** Science and Technology exhibition, NSD-17.
- **Member:** Subject Examination Committee for subject Botany.
- **Member:** Board of Studies in Botany, S.G.B.A.U., Amravati.
- **Paper Setter:** Departmental Examination, SGBAU Amravati.
- **Paper setter:** MPSC Examination.
- **Co-ordinator:** MoU with Ireland (UCC).
- **Member:** Committee for preparing policy documents and implementation scheme for new Departments i.e. History, Political Science and Economics.

## 2017-2018

- **Member:** Subject examination committee for Post Graduate
- **Committee member:** Subject examination committee for Post Graduate examination to be held on Winter 2017 and Summer 2018 on 23,24,25 Oct 2017 at Parikshak Vastigruh, University Campus.
- **Convener:** Purchase committee of National conference of IAS on Airborne pollen and spores: Assessment, Impact and Scope (NCIAS-2018) on 29-31 Jan 2018; organized by PGTD Botany, SGBAU, Amravati.
- **Member:** IQAC
- **Co-ordinator:** MoU with Ireland (UCC).
- Finance and Accounts Sub-committee
- **Chairman:** Enquiry committee commissioned for cognizable offences in the National conference on Green chemistry and its perspective 2008 on 20th March 2018 by SGBAU, Amravati.
- **Member:** NIRF Ranking Committee
- **Chairman:** Policy for Academic Audit
- **Member:** Academic & Planning Committee
- **Chairman:** Norms for Consultancy

## 2018-19

- **Subject Expert:** Research and Recognition Committee, Faculty of Science and Technology in subject Botany. Gondwana University, Gadchiroli.
- **Co-opted member:** Board of studies in subject Botany, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.
- **Subject Expert:** Selection of Junior research fellow under the research project sponsored by Department of Botany, Government of India, Department of Botany, Shri Shivaji College of Science, Amravati. 27 Sept. 2018.
- **Chairman:** Subject examination committee in subject Botany, Sant Gadge Baba Amravati University, Amravati.
- **Member:** Subject examination committee in subject Environmental Science, Sant Gadge Baba Amravati University, Amravati.

- Indian Science Congress Association representative on selection committee for Science Communication.
- Nominated by Vice-Chancellor as an **Expert** on Research and Recognition Committee in subject Botany under the Faculty of Science and Technology, Sant Gadge Baba Amravati University, Amravati.16/06/2018.
- Vice-Chancellor nominated **Member** on Swachha Bharat-Swastha Bharat Centre of Sant Gadge Baba Amravati University, Amravati under UGC scheme, dated 04/08/18.

## 2019-20

- Nominated as an **observer** of Conduction of Maharashtra SET examination on 23<sup>rd</sup> June, 2019.
- **Member:** Research Centre recognition committee for Ph.D. on dated 20<sup>th</sup> august, 2019 at Mahatma Fule Arts, commerce and Sitaramji Chaudhari Science College Warud, Dist. Amravati
- Vice Chancellor Nominee as a **Member** of Placement Cell Committee for Professor under career Advancement Scheme (CAS) in the subject Botany on 05/03/2020.
- **Member:** Subject Expert Committee in PG Botany held on Winter, 2019, Summer, 2020 in the subject environmental science.
- **Member:** Subject Expert Committee in PG Botany held on Winter, 2019, Summer, 2020 in the subject Botany held on 23-25 October, 2019.
- **Vice Chancellor nominee** in CAS Professor post scale selection committee
- **Vice Chancellor nominee** in placement committee under CAS of Associate Professor L-13A to L14 on 5<sup>th</sup> March, 2020
- **Vice Chancellor nominee** and panel of five experts for constitution of selection committee for promotion of Associate Professor to Professor under CAS Associate Professor L-13A to L14 dated 11.02.2020
- **Vice Chancellor nominee** for selection committee for the post of Junior Research fellow and part time lab worker under RGSTC on 6<sup>th</sup> February, 2020.
- **Member:** Subject Expert Committee held on Winter, 2019, Summer, 2020 in the subject Botany (P.G.) held during 24-26 February, 2019
- **Member:** Subject Expert Committee held on Winter, 2019, Summer, 2020 in the subject environmental science (P.G.) during 27-29 February, 2020
- **Vice Chancellor nominee** as member on Advisory committee of scheme of entry into service for SC/ST/OBC (NCL) and Minority students dated. 13.03.2020.
- **Member:** Technical committee for sanctioning research projects in MTR.
- **Chairman:** Proposal to start PG course in the subject Environment science in campus

(Prof. J.A. Tidke)