



## CURRICULUM VITAE



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**DESIGNATION** : Controller of Examinations,  
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**DATE OF BIRTH** : 17<sup>th</sup> July 1963

**EDUCATIONAL QUALIFICATIONS:** M.Sc., Ph.D. (Botany), F.B.S., FPSI

Degree	Month and Year	University	Subject
B.Sc.	June, 1984	University of Pune, Pune	Botany
M.Sc.	June, 1986	University of Pune, Pune	Botany
Ph.D.	November, 1993	Marathwada University, Aurangabad	Botany: Plant Pathology

**AREA OF SPECIALISATION:** Mycology, Plant Pathology and Fungal Biotechnology  
**Doctoral thesis** : Studies on Pigment Producing Seed Borne Fungi.

**TEACHING EXPERIENCE:** Lecturer 10/07/1986 to 30/06/1999 (13 years)  
Reader 01/07/1999 to 09/07 /2007 (08 years)  
Professor 10/07/2007--- till date

## Administrative Experience:

Sr. no.	Designation with Name of College / Institute	Year
1	Head, Dept. of Botany, Vasantao Naik Mahavidyalaya, Aurangabad.	21/11/1990 to 08/12/2005
2	Vice-Principal at Vasantao Naik Mahavidyalaya, Aurangabad.	16/11/1997 to 50/11/1999
3.	Principal of Vasantao Naik Mahavidyalaya, Aurangabad.	16/11/1999 to 26/08/2001 (In-charge) 26/08/2001 to 26/08/2003
4.	Registrar (officiating) of Dr. B. A. M. University Aurangabad	01/12/2007 to 25/03/2008
5.	Controller of Examination of Dr. B. A. M. University, Aurangabad	01/10/1008 to 24/06/2009 (In-charge) 24/06/2009-till date
6.	Director, Board of College and University Development, Dr. B. A. M. University, Aurangabad	02/09/2011 to 15/10/2011
7.	Manager, University Press, Dr. B. A. M. University, Aurangabad	11/01.2011-till date

## Research Contribution: Academic / National and International Level

**International** : a) A Patent on “Method of making resistant Genotype for Phomopsis blight disease in Brinjal-eggplant (*Solanum melongena* L.)” on 07/05/2007.

b) New gene from *Aspergillus niger* mango isolate, c-DNA clone Gene Accession from NCBI (Gene Bank Accession No. GQ2515190).

c) Ten hybrid brinjal varieties resistant to Phomopsis blight and fruit and shoot borer are under released.

**Research Guide:** a) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

b) Bhoj (Open) University, Bhopal, (M.P.)

**Academic** : a) 15 Students awarded for Ph.D. (Annexure I)

b) 02 students are working for Ph.D.

c) 01 awarded for M. Phil.

## Research Project Carried Out

Sr. No	Title of Project	Funding Agency	Funds received	Date of Commencement	Date of Completion
01	Studies on isolation of fungi from discolored seeds of some crops.	Dr. B.A.M.U Aurangabad	3,000/-	1999	1999
02	Studies on Seed Mycoflora of Fennel and its Bio-deterioration	U.G.C. (W.R.O.) Pune.	24,000/-	1999	2000
03	Studies on novel metabolites of fresh water Algae.	Dr. B.A.M.U Aurangabad	20,000/-	2006	2007
04	Studies on impact of storage fungi in oil seed deterioration and their eco-friendly management.	University Grant Commission	10,77,800	2008	2011

### **Improvement of Professional Competence**

1. Completed 6th Assessors Training Programme (ATP) organized by NAAC at symbiosis, Pune on 3<sup>rd</sup> to 5<sup>th</sup> July, 2003.
2. Advance Training Programme on Molecular Biology / Tissue Culture at R&D Department Ankur Seeds Pvt. Ltd. Nagpur from 14<sup>th</sup>-17<sup>th</sup> September 2006.
3. Work Shop on Plant Identification organized by Dept of Botany, Dr. B. A. M. University, Aurangabad on 29<sup>th</sup>-30<sup>th</sup> September 2006.

### **Academic Organizations**

1. Convener of the State level conference on "Modern Trends in Teaching & Research in Botany" held on 11<sup>th</sup> October 1998.
2. Convener of the State level conference on 'Plant Biotechnology for Indian Agriculture' held on 7<sup>th</sup> to 8<sup>th</sup> October 2001.
3. Chief Organizer of state level conference on 'Renaissance in Maharashtra: An Evaluation' held on 30<sup>th</sup> to 31<sup>st</sup> December 2000.
4. Chief Organizer of Regional workshop on 'Employment opportunities for Science Graduates' on 22<sup>nd</sup> September 2002.
5. Chief Organizer of regional workshop on 'New Syllabus in Botany: Scope and Limitation' held on 2<sup>nd</sup> March 2003.
6. Convener of the Regional workshop on new syllabus in Botany-II on 11<sup>th</sup> July 2004.  
Chief Organizer of workshop on 'Curriculum in Botany at VNMA on 26<sup>th</sup> June 2005.
7. Convener of the National Conference on "Modern Trends in Plants Science" at Dept of Botany, Dr. B. A. M. University. Aurangabad on 6<sup>th</sup> to 7<sup>th</sup> October 2007.

### **Academic Position Held**

1. Indian Botanical Society, New Delhi admitted as Fellow of Indian Botanical Society (**F.B.S**) for contribution in Plant Pathology and Seed Pathology on 31/10/2004.
2. Indian Phytopathological Society, New Delhi awarded Fellow of Indian Phytopathological Society (**FPSI**) for esteemed research contribution in the field of Plant Pathology on 04/12/2011.
3. Fellow of International Society of Science and Technology, Mumbai.
4. Member of Editorial Board of 'Bionano Frontier' An International Journal of Science and Technology Society, Bombay.
5. Elected Member of Board of studies in Botany and faculty of Science in Dr. B.A.M. University, Aurangabad.
6. Nominated member of Senate of Dr. B. A. M University, Aurangabad.
7. Nominated member of Academic Audit Committee of Dr. B. A. M. University, Aurangabad.
8. Member of Academic council as COE of Dr. B. A. M. University, Aurangabad.
9. Member of Management council as COE of Dr. B. A. M. University, Aurangabad.

### **Curriculum Design**

- Design of curricula for graduate and post graduate level of Dr. B. A. M. University Aurangabad (as a member of BOS and faculty of Science), S. G. M. University, Amravati.
- Prepared short term courses in Botany for Dr. B. A. M. University, Aurangabad.
- Prepared syllabus for Certificate Courses, Diploma Courses and Advanced Diploma Courses in Botany and Environmental Science under Career Oriented Programme for (COP) U.G.C. Vocational Courses.
- Member of Research and Recognition Committee in the subject Botany for Ph.D. admission of North Maharashtra University, Jalgoan and Dr. B.A.M. University, Aurangabad.
- P.G. Member of Board of Study in Botany at Gulbarga University, Gulbarga.

### **Co-Curricular Activities**

- ✓ Organized student's seminar for U.G. and P.G. Students.
- ✓ Arranged several Botanical Excursion throughout India.
- ✓ Prepared a Practical Manual for U.G. students in Botany.
- ✓ Prepared herbaria as a resource material for practicals.

### **Abroad visit**

- ✓ Invited to deliver seminar on Development of Interspecific hybrids for disease and pest resistance in eggplant (*S. melongena* l.) at AVRDC-The World Vegetable Research Centre Shanhua, Taiwan, on 02-06 Aug. 2010.
- ✓ Visited to National University Dept. of Biotechnology, Singapore on 06-07 Aug. 2010.

### **Extra Curricular Activities**

- Co-ordinator of "Remedial Course" for SC/ST and COSIP Under UGC, New Delhi.
- Founder General Secretary and Treasurer of Marathwada Botanical Society.
- Elected as a General Secretary of Dr. B. A. M. University Principals Association at Jalna on 7<sup>th</sup>-8<sup>th</sup> December. 2002.
- Appointed as 'District President' of the Science, Technology and environment Cell of Maharashtra Pradesh Congress Committee of Aurangabad District.
- Director of VNM Employees Co-op. Credit Society Ltd., Aurangabad.
- Coarse coordinator to conduct "Professional development programme" held on 05-10 April 2010 and 21/11/2011 to 26/11/2011 at Academic Staff College, Aurangabd.
- Working on several committees of University(External / Internal Examiner: paper setter, Joint-chief Superintendent; Member of Selection Committee, V.C. Nominee of Selection Committee of Principals & Lecturers, V.C. Nominee of Carrier Advancement Committee, College Affiliation Committee, Member of Advisory/organizing committee of different conferences in Botany Dept. etc). In College (Student welfare, sports, magazine, college development council, N.S.S. etc.).

### **Extension Work / Community Services**

- ❖ Organized blood donation camp, Tree plantation, Environment awareness.
- ❖ Participated in Earth-quake relief Programme at Latur.
- ❖ Organized drugs and Aids awareness Programme.
- ❖ Participated in National Literacy Programme.
- ❖ Flood and Drought relief Programme.
- ❖ Organized N.S.S. Camps.

### **Lectures Delivered**

- ❖ As a Resource Person in Orientation Courses/Refresher courses on Botany/Environmental Science/Life Science. Many times at University of Pune, S.R.T.M.University, Nanded; Dr. B.A.M. University, Aurangabad.
- ❖ Delivered lead lectures/Invited Talks/Inaugural talk at several conferences/Seminars/Workshops in Botany/Life Sciences.
- ❖ Delivered invited Talk on 'Examination Reforms' at several colleges, Institutions, etc.

### **Publications**

- Published **96** papers in renowned scientific journals. (Annexure II).
- Presented **48** papers in National/International conferences (Annexure III).
- Total **06** books published / edited.
- Attended **48** Conferences attended at Zonal/National/International Level.

### **Membership of Professional \ Scientific Organization**

- ✓ Life member of Indian Botanical Society, Lucknow.
- ✓ Life member of Indian Phytopathological Society, New Delhi.
- ✓ Life member of Indian Society of Seed Technology, New Delhi.
- ✓ Life member of Society for Soybean Research and development, Indor.
- ✓ Life member of Indian Paleobotanical Society, Lucknow.
- ✓ Life member of Maharashtra Society of Genetics and plant breeding.
- ✓ Life and Executive Member of Marathwada Botanical Society. (M.B.S.).
- ✓ Life member of Marathi Vidnyan Parishad (M.S.)
- ✓ Life member of Society of Mycology and Plant Pathology, Udaipur.
- ✓ Life Member of International Society of Science and Technology, Mumbai.

Date: 23/01/ 2011

**Prof. Ashok M. Chavan**

Place: Aurangabad

## Annexure I

### Research Activities

- **Research Experience:** 18 Years. (Research Projects and Publications as Ph. D. Guide).
- **Number of Students Working / Guided for Ph.D. Degree in Botany.**

Sr. No.	Name of the Student	Topic	Status
1.	V. V. Sonawane	Studies on seed pathology of pea	Awarded on April, 2003.
2.	S. B. Bharaswadkar	Studies on Seed Mycoflora of Tomato.	Awarded on July, 2003.
3.	V. M. Dharurkar	Studies on biocontrol of seed-borne pathogen of some crops.	Awarded on June, 2007.
4.	S. R. Rathod	Studies on seed-borne species of <i>Alternaria</i> on different crops.	Awarded on July, 2007.
5.	V. P. Pawar	Studies on powdery mildews of cucurbits.	Awarded on July, 2008.
6.	S. M. Kamble	Studies on effect of bioactive compounds of algae on some fungi.	Awarded on Nov. 2008
7.	U. T. Kesare	Studies on seed mycoflora of Soybean.	Awarded on Feb. 2009.
8.	A. U. Kulkarni	Studies on seed-borne fungi of Maize ( <i>Zea mays</i> ).	Awarded on Dec., 2009.
9.	G. V. Shelke	Studies on management of downey mildew in Pearl millet ( <i>Pennisetum glaucum</i> L.)	Awarded on March 2010.
10.	B. R. Thakre	Interspecific hybridization for disease and pest resistance in Brinjal.	Awarded on March 2010.
11.	A. D. Hatti	Impact of <i>Aspergillus</i> on biodeterioration of oilseeds	Awarded on Sept. 2010
12.	G. M. Rathod	Studies on post-harvested diseases of Papaya.	Awarded on March 2011
13.	D. P. Gadgile	Studies on post -harvest diseases of mango fruits	Awarded on September 2011
14.	R. B. Kakde	Impact of storage fungi on biodeterioration of oilseeds	Awarded on September 2011
15.	K. V. Badar	Studies on antimicrobial properties of gums of some plants	Awarded on October 2011
16.	N. S. Kunchge	Application of Genetic Engineering for Disease Resistance in Tomato	Registered on Nov. 2008
17.	H. D. Sherkar	Tissue Culture For Improvement of Solanine in Solanaceous Plants.	Registered on May 2009

## Annexure II

### **Publications: Papers Published in Peer Scientific Journals**

1. **Ashok M. Chavan** and S.P. Danai (1993). Fungi occurring on discoloured seeds of pulses and oil seeds. *Indian Bot. Reporter* Vol.12 (1+3) pp. 87-90.
2. **Ashok M. Chavan** (1994). Studies on effect of fungal pigments on hydrolytic enzymes of pathogenic seed moulds. *Indian Bot. Reporter* Vol.13 (1+2) pp. 96-97.
3. **Ashok M. Chavan**, B. M. Waghmare and D.S. Mukadam (1995). Studies on effect of Carbon and Nitrogen sources on pigment production in seed mould. *Biologia Indica*. Vol. 6 (1+2) pp 01-04.
4. **Ashok M. Chavan** and D.S. Mukadam. (1995). Effect of antibiotics and fungicides on pigment production in seed borne fungi. *Ann. Sci. Jr. of Dr. B.A.M.U., Aurangabad*. pp. 5-7 Vol. 28 Sc. 21 pp. 5-7.
5. **Ashok M. Chavan** (1996). Effect on fungal pigment on hydrolytic enzyme activity. *Flora and Fauna* Vol.2 No.1 pp 29-30.
6. **Ashok M. Chavan** and D.S. Mukadam (1997-98). Studies on bioassay of pigment of seed-borne fungi. *Ann. Sci. Jr. Dr. B.A.M.U. A'bad*. Vol.28 No.5 pp 13-16.
7. **Ashok M. Chavan** and D.S. Mukadam (1998). Mycoflora of discoloured seeds in some cereals. *Ann.Sci.Jr. Dr.B.A.M.U. A'bad*. vol.28 No.5 pp.17-20.
8. **Ashok M. Chavan**, D.S.Mukadam and S.V. Mandge (1998-99) Role of Temperature and Incubation Period in pigment production in seed borne fungi. *Ann.Sc.J.Dr.B.A.M.U., Aurangabad* Vol. 29 No. 06 pp. 5-10.
9. **Ashok M. Chavan** (1999) A New species of palmoxylon from the deccan intertrappean series of India. *Frontiers in Botany*. pp 27-34.
10. B.M. Waghmare, **Ashok M. Chavan** and D.S. Mukadam (1999). Incidence of *Fusarium* species on different crop seeds. *Frontier in Botany* pp 125-129.
11. **Ashok M. Chavan** and D. S. Mukadam (1999). Diffusible fungal pigments: The Challenging bioactive substance. *Proc. of International conference* pp198-207.
12. M. Sahasrabudhe, N. Wahegaonkar and **Ashok M. Chavan** (2000) studies on antimicrobial activity of some oil. *Dr. B.A.M.University J. of Science*. vol. 30 No.7 pp 89-92.
13. **Ashok M. Chavan**, S. D. Sathe and D. S. Mukadam (2000) Effect of monochromatic light on pigment production of seed-borne fungi *Seed Technology 2000*. pp 9-12.
14. V. C. Khillare, **Ashok M. Chavan** and L. V. Gangawane (2000) "Synergistic effects of fungicides on thiophanate methyl resistance in green mold of sweet orange. Plant Resource Development. *Proc. of conference*. pp 153-156.
15. D. S. Mukadam and **Ashok M. Chavan**(2001) Pigments of Seed-borne fungi - A new approach. Recent trends in disease management of fruits and seeds. pp 193-204.
16. V. C. Khillare, **Ashok M. Chavan** and L. V. Gangawane (2001) "Synergistic effects of antibiotics and insecticides on thiophanate methyl resistance in green-mould of sweet orange. *J. Indian Bot. Soci* vol. 81 pp 177-178.
17. **Ashok M. Chavan**, D.S. Mukadam and V. C. Khilare (2002) Effects of pH on pigment production of seed borne fungi. *Current prospective in plant and fungal biotechnology*. pp 97-100.
18. V. V. Sonawane, S. B. Bharaswadkar and **Ashok M. Chavan** (2003) Studies on Seed Mycoflora of Pea varieties grown in Marathwada region *Ann. Science J. Dr. BA.M.U., Aurangabad*. pp 28-34.

19. **Ashok M. Chavan** and V.V. Sonawane (2004) Effect of Plant extract on seed moulds of Pea. *Bioinfolet*. vol. 1 (1-4) pp 3-4.
20. V.V. Sonawane, S.B. Bharaswadkar and **Ashok M. Chavan** (2004) Studies on seed-borne fungi of Pea varieties cultivated in Marathwada. *Flora and fauna* vol. 10 (2) pp 131-134.
21. V.V. Sonawane and **Ashok M. Chavan** (2005) Effect of antibiotics and fungicides on protease production by some seed-borne fungi of Pea. *Dr. BAMU Journal of Science* vol. 33 pp 85-87.
22. S.B. Bharaswadkar, V.V. Sonawane and **Ashok M. Chavan** (2005) Production of hydrolytic enzyme by seed-borne fungi of Tomato. *Dr. BAMU Journal of Science* vol. 33 pp 66-67.
23. S.B. Bharaswadkar, **Ashok M. Chavan** and V.V. Sonawane (2005) Tomato Lagwad, Niga, Rogniyantran (Marathi) *Pikanche Ekatmik Rognivaran*. Saket Pub. pp 131-137.
24. V. V. Sonawane, S. B. Bharaswadkar and **Ashok M. Chavan** (2005) Physical factors and protease production by some seed-borne fungi of Pea. *Geobios*. Vol. 32 pp 49-52.
25. V. V. Sonawane and **Ashok M. Chavan** (2005) Effect of oils on protease production by seed-borne fungi of pea. *Bioinfolet* vol. 2(3) pp 199-200.
26. **Ashok M. Chavan**, S. B. Bharaswadkar and V. V. Sonawane (2006) Studies on pathogenesis of fungi of tomato. *Journal of basic and applied sciences* vol. 1 pp 80-83.
27. **Ashok M. Chavan** S. B. Bharaswadkar, V. V. Sonawane, V.M.Dharurkar and V.P.Mali (2006) Role of fungal toxin on seed abnormalities of pea. *Bioinfolet*. vol. 3 (4) pp 282-287.
28. **Ashok M. Chavan** (2007) Biochemical changes in fennel (*Foeniculum vulgare* mill) during storage. *Bioinfolet*. vol. 4 (2) pp 161-163.
29. **Ashok M. Chavan** and B. R. Thakare (2007) Interspecific hybridization in Brinjal (*Solanum melongena* L.) for Phomopsis blight disease resistance. *Bioinfolet* vol. 4(3). pp 215-217.
30. **Ashok M. Chavan** (2008) Molecular Characterization of Seed borne *Alternaria*. *Bioinfolet* vol. 5 (3A) pp 153-157.
31. G. V. Shelke, **Ashok M. Chavan**, S.B Madas, G. V. Umalkar and B. R. Thakare (2008), Development of pearl Millet (*Pennisetum glaucum* L.). Inbred for ergot resistance. *Bioinfolet*. vol. 5(3A) pp. 168-169.
32. S.D. Taware, A.S. Taware, **Ashok M. Chavan** and D.S. Mukadam (2009) Wheat and Salinity: Response of Different Concentrations of NaCl and KCl. *Biosciences Biotechnology Research Asia*, vol. 6(1).pp. 313-316
33. D.P. Gadgile and **Ashok M. Chavan** (2009) Pectin content of mango pulp under the influence of *Aspergillus niger*. *Bioinfolet*. vol. 6(1): 69-70.
34. **Ashok M. Chavan** and R.B. Kakde (2009) Detection of fungal load on Abnormal oil seeds from Marathwada Region. *Bioinfolet*. vol. 6(2):149-150.
35. Gadgile D.P. and **Ashok M. Chavan** (2009). Changes in Sugar contents of Mango pulp due to different isolates of *Aspergillus niger*. *Geobios*. 36(2-3): 211-212.
36. Gadgile D.P. and **Ashok M. Chavan** (2009). Changes in calcium contents of Mango pulp due to different isolates of *Aspergillus niger*. *Journal of mycology and plant pathology* 39 (1): 166-168.
37. Gadgile D.P. and **Ashok M. Chavan** (2009). Changes in ascorbic acid (vitaminC) contents of Mango pulp due to different isolates of *Aspergillus niger*. *Bionano frontier* 2(2): 69-70.
38. S. M. Powar, **Ashok M. Chavan** and D. S. Mukadam (2009) Two reports of Powdery mildews on *Acacia pennata* L. Mild and *Lxora pavetta*, Andzews from Marathwada region. *Bionano Frenier*. 2(2): 82-83.

39. Pangrikar P.P., Gadgile D.P., Hatti A.D., Kakde R.B., **Ashok M. Chavan**, Gaikwad R.S. and Mukadam D.S. (2009). Effect of Bt and non-Bt cotton root exudates on seed physiology and seed mycoflora of cereals and oil seeds. *Bionano frontier*. 2 (2): 87-90.
40. **Ashok M. Chavan** and R.B. Kakde (2009) Studies on Abnormal oilseeds mycoflora from Marathwada region. *Bionano frontier*. vol. 2(2): 101-104.
41. Gadgile D.P. AND **Ashok M. Chavan** (2009). Spoilage ash contents of Mango pulp due to different isolates of *Aspergillus niger*. *International journal of pharmacology and biological sciences*. 3(2): 107-109.
42. Gadgile D.P. and **Ashok M. Chavan** (2009). Impact of nutritional sources on the activity of enzyme cellulase produced by post -harvest fungi isolated from mango fruits. *Bioinfolet* 6 (3): 227-229.
43. D.P. Gadgile, **Ashok M. Chavan**, P.P. Pangrikar, A.D. Hatti and R.B. Kakde. (2009) Impact of Temperature and Relative Humidity on development of *Rhizopus* rot of mango fruits. *National Journal of Life sciences*. 6(2): 215-217.
44. D.P. Gadgile, **Ashok M. Chavan**, R.B. Kakde, A.D. Hatti, P.P. Pangrikar AND R.S. Gaikwad (2009). Development of *Botryodiplodia theobromae* Rot (Stem End Rot) of Mango Fruits Under The Influence of Different Temperature And Relative Humidity. *The Ecotech*. 1(2):184-186.
45. P.P. Pangrikar, D.P. Gadgile, **Ashok M. Chavan**, R.B.Kakde, A.D. Hatti and R.S.Gaikwad (2009). Rhizosphere Fungal Population Of Bt And Non Bt Cotton At Different Age. *The Ecotech*. 1(2) pp-.106-109.
46. A.U. Kulkarni, **Ashok M. Chavan** and D.P.Gadgile (2009). Fungal Population Of Maize (*Zea Mays* L.) Seeds. *The Ecotech*. 1(2).154-155.
47. S.M. Pawar, D.P.Gadgile, **Ashok M. Chavan**, R.B.Kakde and P.P.Pangrikar (2009). Ecology And Incidence Of Powdery Mildews On Fruit Crops From Marathwada Region Of Maharashtra State. *The Ecotech*. 1(2):124-126.
48. R.S Gaikwad, D.S. Mukadam, **Ashok M. Chavan**, D.P. Gadgile, P.P. Pangrikar, R.B. Kakde and A.D. Hatti (2009). Effect Of Edaphic Factors On Seed Propagation Of *Jatropha* Species. *The Ecotech*. 1(2).pp-128-129.
49. Gadgile D.P., P.P. Pangrikar and **Ashok M. Chavan** (2009). Stem End Rot: Post Harvest disease of Mango. *Bioinfolet* . 6 (4): 282.
50. D.P. Gadgile, **Ashok M. Chavan**, R.B. Kakde, A.D. Hatti, P.P. Pangrikar AND R.S. Gaikwad (2009). Influence of Environmental factors on the development of *Colletotrichum gloeosporioides* rot (Anthracnose) of Mango fruits. *Environmental Conservation Journal*. 10 (3) pp 73-75.
51. D.P. Gadgile, **Ashok M. Chavan**, R.B. Kakde, A.D. Hatti, P.P. Pangrikar and R.S. Gaikwad (2009). Post Infection Spoilage of Crude Fat Content In Mango Pulp Under The Influence of *Aspergillus niger* Isolates. *Flora and Fauna*. 15 (1): 227-228.

52. R.B. Kakde, D.P. Gadgile, P.P. Pangrikar, A.D. Hatti, R.S. Gaikwad and **Ashok M. Chavan** (2009). Impact of Nutritional Factors on Lipase Activity of Seed-Borne Fungi of Soybean (*Glycin max* L.). *Flora and Fauna*. 15 (1): 229-232.
53. V.M. Dharurkar, **Ashok M. Chavan**, D. S. Mukadam and V. V. Sonawane (2009). The effect of chemical factory effluent on seed germination and seedling growth on *Phaseolus mungo* CV. T-9. *Int. J. Mendel*, vol. 26 (1-4), 69-70.
54. D.P Gadgile and **Ashok M. Chavan** (2009). Effect of antibiotics, vitamins and fungicides on extra cellular pectinase enzyme activity of post -harvest fungi isolated from mango fruits. *International journal of pharmacology and biological sciences*. 3 (3): 115-118.
55. A.D. Hatti, P. P. Pangrikar, **A. M. Chavan**, D. P. Gadgile, R. B. Kakde and R. S. Gaikwad (2009) Qualitative analysis of aflatoxin from *Aspergillus flavus* isolates. *Recent Research in Science and Technology* 1(1): 43–45. On line: [www.recent-science.com](http://www.recent-science.com).
56. P.P. Pangrikar, Gadgile D.P., A.D. Hatti and **Ashok M. Chavan** (2009).Seed physiology of different crops under the influence of bt and non-bt cotton rhizospheric fungi culture filtrate. *Journal of Phytology*. 1(6): 404–407. On line: [www.journal-phytology.com](http://www.journal-phytology.com).
57. P.P. Pangrikar, Gadgile D.P. and **Ashok M. Chavan** (2009). Phyllosphere fungal population and their percent frequency from young, mature, senescent leaves of BT and non- BT cotton Rashi-2 variety. *Biosphere* 1(1):22-23.
58. P.P. Pangrikar, Gadgile D.P. and **Ashok M. Chavan** (2009). Production of extracellular protease enzyme by different rhizospheric fungi of BT and non- BT cotton varieties. *Biosphere* 1(1):24- 25.
59. D.S. Mukadam, **Ashok M. Chavan**, A.S. Taware, and S.D. Taware (2009), Isolation, Cloning and molecular characterization of *pgaI* gene from *Aspergillus niger* isolate from Mango. *Indian Journal of Biotechnology*. 9:153-159.
60. D.P. Gadgile and **Ashok M. Chavan** (2010). Cellulase enzyme activity of post -harvest fungi isolated from mango fruits under the influence of antibiotics, Vitamins and fungicides. *Bionano frontier*. 2 (3):110-111.
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75. R.S. Gaikwad, D.P. Gadgile, **Ashok M. Chavan** (2010). Bioactivity of *Jatropha* species extracts against human pathogenic bacteria. *The Biosphere*. 2(1): 66-68.
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79. Anil U. Kulkarni and **Ashok M. Chavan**. (2010). Fungal Load on Zea mays Seeds and their Biocontrol. *Journal of Experimental Sciences*. 1 (2): 07-11.
80. S.M. Kamble and **Ashok M. Chavan**. (2010). Antimicrobial properties of some fresh water algae. *Journal of Experimental Sciences*. 1 (2): 07-11.
81. Pawar Vasant P. and **Ashok M. Chavan** (2010). Incidence of Powdery Mildew on Cucurbit Plants and its Ecofriendly Management. *Journal of Ecobiotechnology* 2 (6): 29-43.
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85. Rajendra B. Kakde and **Ashok M. Chavan** (2011). Extracellular Lipase Enzyme Production by Seed-borne Fungi Under the Influence of Physical factors. *International Journal of Biology*. 3(1): 94-100.
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87. Kakde Rajendra B and **Ashok M. Chavan** (2011). Effect of carbon, nitrogen, sulphur, phosphorus, antibiotic and vitamin sources on hydrolytic enzyme production by storage fungi. . *Recent Research in Science and Technology*.3(5): 20-28.
88. Kamble Suhas M., Milind. J. Jadhav and **Ashok. M. Chavan** (2011). Seasonal variations in algal population of Ajanta water-fall. *Recent Research in Science and Technology*.3(5): 40-41.
89. Pangrikar P.P., M.S. Wadikar, V. U. Borde and **A. M. Chavan** (2011). Production of protease enzyme from rhizospheric fungi of Bt and non Bt cotton varieties. *Bioscience Discovery*. 2 (2): 249-250.
90. Kakde Rajendra B and **Ashok M. Chavan** (2011). Deteriorative changes in oilseeds due to storage fungi and efficacy of botanicals. *Curr. Bot*. 2(1):17-22.
91. **Ashok M. Chavan** (2011). Nutritional changes in oilseeds due to *Aspergillus* spp. *Journal of Experimental Sciences*. 2 (4): 29-31.
92. Gadgile D.P. and **Chavan A.M.** (2011). Changes in phosphorous contents of mango pulp due to colonization of *Aspergillus niger*. *Indian Phytopath*. 64(2):192-193.
93. **Ashok M. Chavan** and Rajendra B. Kakde. (2011). An Eco-friendly approach to control storage fungi. *Elixir Appl. Bot*. (38): 4150-4153.
94. Rajendra B. Kakde and **Ashok M. Chavan**. (2011). Antagonistic properties of *Trichoderma viride* and *Trichoderma harzianum* against storage fungi. *Elixir Appl. Botany*. 41. 5774-5778.
95. Rajendra B. Kakde, S. M. Pawar, K.V. Badar and **Ashok M. Chavan**. (2011). Fungitoxic properties of leaf extract and latex against storage fungi. *Elixir Appl. Botany*. 41: 5944-5947.
96. **Ashok M. Chavan** and Rajendra B. Kakde. (2011). Physical and Chemical Analysis of Fungal Deteriorated Groundnut and Sesame Oil. *J. Mycol. Plant Pathol*. 41(2): 303-307.

### Annexure III

#### Paper Presented In Seminars, Conferences, Symposia, Workshop

Sr.	Name of Authors	Year	Title of Paper	Name of Symposia/Conference	Sponsoring Agency
1.	<b>Ashok M. Chavan</b> , S. P. Danai and D. S. Mukadam	1993	Studies on Mycoflora of discoloured seeds in different crops.	Indian Phytopathological society (W.Z.) at Sailu, Dist. Parbhani on 28-29 Oct. 1993.	I.P.S.(WZ)
2.	S.P. Danai, <b>Ashok M. Chavan</b> and D.S.Mukadam	1993	Influence of Artificial Infestation of <i>Aspergillus</i> on seed health of different crops	Indian Phytopathological society (W.Z.) at Sailu, Dist. Parbhani on 28-29 Oct. 1993.	I.P.S.(WZ)
3.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1996	Studies on pigment production in seed borne fungi on developing seeds.	Indian Phytopathological society (W.Z.) at M.P.K.V. Rahuri, Dist. Ahmednagar on 8th Feb. 1996.	I.P.S.
4.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1996	Studies on pigment production in fungi isolated from discoloured seeds of cereals.	National seminar on integrated crop disease management for sustainable agriculture at A'bad. On 26-27 Feb. 1996.	UGC – SAP
5.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1997	Studies of seed discoloration due to fungi in oil seeds.	IX Western Zonal meeting of IPS and National. Symposium on plant pathogen and Environment at B.A.M.U., A' bad on 10th Jan. 1997.	I.P.S.
6.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1997	Fungal pigment production and properties.	National Seminar on biomass productivity and utilization on 6-8 Feb. 1997. At B.A.M.U., Aurangabad.	U.G.C. – SAPDRS and Dr.B.A.M.U. Aurangabad
7.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1997	Role of fungal pigment in seed discoloration.	50th Annual meet of IPS, at A' bad on 17-19 Feb. 1998.	I.P.S.
8.	S. D. Sathe and <b>Ashok M. Chavan</b>	1998	Effect of algal extract on fungal growth	State conference on "Modern Trends in Teaching and Research in Botany" on 11th Oct. 98 at VNMA, Aurangabad.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
9.	S. V. Mandge, <b>Ashok M. Chavan</b> and D. S. Mukadam	1998	Studies on in vivo production of cellulase and pectinase in <i>Albugo Candida</i> and <i>A. bliti</i> .	state conference on "Modern Trends in Teaching and Research in Botany" on 11th Oct. 98 at VNMA, Aurangabad.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
10.	Madhuri Sahasrabudhe and <b>Ashok M. Chavan</b>	1998	Study of Microflora of Funnel	state conference on "Modern Trends in Teaching and Research in Botany" on 11th Oct. 98 at VNMA, Aurangabad.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
11.	<b>Ashok M. Chavan</b>	1998	Environmental education: A need of an hour	National seminar on Environmental education on 14-15 Nov. 1998 at S.B. College, Aurangabad.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad

12.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1999	Diffusible fungal pigments: The challenging bioactive substance.	International conference on frontiers in fungal Biotechnology and plant pathogen relations from 16-18 Jan. 1999 at Osmania University, Hyderabad.	UGC – SAP
13.	<b>Ashok M. Chavan</b> , M. M. Sahasrabudhe and D.S. Mukadam	1999	Extracellular pigment of fungi: The hazardous metabolite.	National seminar on "Pollution, its control and Disaster planning" 27-28 Feb. 1999.	U.G.C. (WRO)
14.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1999	Effect of nutritional factors on fungal pigment production and its properties	State conference on plant disease management at Sailu on 25-26 Aug. 1999.	U.G.C. (WRO) Pune
15.	M. M. Sahasrabudhe, N. K. Wahegaonkar and <b>Ashok M. Chavan</b>	1999	Antibacterial activity on oils	State conference on seed technology-2000 held at Jalna on 2-3 Oct. 1999.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
16.	Sharayu D. Sathe and <b>Ashok M. Chavan</b>	1999	Studies on effect of algal extract on seed borne fungi.	State conference on seed technology-2000 held at Jalna on 2-3 Oct. 1999.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
17.	<b>Ashok M. Chavan</b> and D. S. Mukadam	1999	Studies on seed extract on pigment production of seed borne fungi.	State conference on seed technology-2000 held at Jalna on 2-3 Oct. 1999.	U.G.C. (WRO) Pune and Dr.B.A.M.U. A'bad
18.	Ila B. Thakkar, <b>Ashok M. Chavan</b> and D. S. Mukadam	1999	Ecological studies of soil algae.	National Seminar on prospective of Integrated coastal Research at Ratnagiri on 23-24 Oct. 1999.	Dr.B.A.M.U. Aurangabad
19.	S. V. Mandge, D. R. More, D.S. Mukadam and <b>Ashok M. Chavan</b>	2000	Studies on in vivo production of cellulase and pectinase by <i>Albugo bliti</i> and <i>Aipumoeaependuratae</i> .	Regional seminar of Botany in next millennium held at Ahamadpur on 22-23 Jan. 2000.	S.R.T.M. University, Nanded.
20.	<b>Ashok M. Chavan</b> , B. M. Waghmare and D. S. Mukadam	2000	Studies on pigment production in fungi isolated from discoloured seeds of pulses	Regional seminar of Botany in next millennium held at Ahamadpur on 22-23 Jan. 2000.	S.R.T.M. University, Nanded.
21.	<b>Ashok M. Chavan</b> and D. S. Mukadam	2000	Studies on fungal pigments and its metabolic activities	National symp. on Basic and applied aspects of plants and microbial biotechnology at Pune on 4-5 Feb. 2000.	U.G.C. (WRO) Pune
22.	<b>Ashok M. Chavan</b>	2000	Role of fungi in biodeterioration of Fennel.	State conf. on plant biotechnology for rural development at Nanded on 20-21 Aug. 2000.	U.G.C. (WRO) Pune S.R.T.M.U. Nanded.
23.	<b>Ashok M. Chavan</b> and D. S. Mukadam	2000	Antimicrobial nature of fungal pigments.	Seminar on plant Resource Development at A'bad on 9 Dec. 2000.	U.G.C. (WRO) Pune and Dr.B.A.M.U. A'bad
24.	<b>Ashok M. Chavan</b> and D. S. Mukadam	2001	Role of fungal pigments in seed discoloration.	National seminar on Recent advances in mycology; plant pathology and Biotechnology at Pravara Nagar on 6-7 April 2001.	U.G.C. (WRO) Pune

25.	Suresh K. Sangai and <b>Ashok M. Chavan</b>	2001	Biotechnology in relation to medicinal plants...	National Conference on Plant Biotechnology at Vasantrao Naik Mahavidyalaya, Aurangabad on 7-8 Oct. 2001.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
26	V.V.Sonawane, S.B.Bharaswadkar and <b>Ashok M. Chavan</b>	2001	Studies on isolation of seed- borne fungi of Pea from Marathwada,	National Conference on Plant Biotechnology at Vasantrao Naik Mahavidyalaya, Aurangabad on 7-8 Oct. 2001.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
27.	<b>Ashok M. Chavan</b>	2001	Studies on seed discoloration due to fungal pigments.	Invited talk in National symposium on Botany in new millennium on 19-21 Nov. 2001 at Hyderabad.	UGC – SAP- II & CSIR.
28.	V.V.Sonawane, S.B. Bharaswadkar and <b>A. Chavan</b>	2002	Detection of seed moulds on <i>Pisum sativum</i> L. from Marathwada.	National Conference of frontier in Biotechnological aspects... on 30-31 Jan. 2002	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
29.	<b>Ashok M. Chavan</b>	2002	Studies on isolation of seed-borne fungi of fennel and its Biodeterioration.	Asian Congress of mycology and plant pathology of University of Mysore on 1-4 Oct, 2002.	ISMPP & Mysore, University.
30.	<b>Ashok M. Chavan</b>	2002	Studies on deterioration of fibers due to seed-borne of fennel.	State level seminar on availability... plant wealth at Dr. B.A.M.University, Aurangabad on 14th Dec. 2002.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
31.	<b>Ashok M. Chavan</b>	2003	Studies on change in protein content due to seed-mould of fennel.	National Conference on Botany for human welfare on 4-5 Jan. 2003 at K.S.K. Mahavidyalaya, Beed.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
32.	V.V.Sonawane, S.B. Bharaswadkar and <b>Ashok M. Chavan</b>	2003	Studies on seed-borne fungi of Pea varieties cultivated in Marathwada.	State level seminar on current innovative approaches in plant science at Dr. B.A.M.U., A'bad on 16th Dec. 2003.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
33.	Shubhada B. Bharaswadkar, V.V.Sonawane and <b>Ashok M. Chavan</b>	2003	Inhibition of fungal pathogens of Tomato seeds with leaf extracts of some gymnospermic plants.	State level seminar on current innovative approaches in plant science at Dr.B.A.M.U., A'bad on 16th Dec. 2003.	U.G.C. (WRO) Pune and Dr.B.A.M.U. Aurangabad
34.	V.V.Sonawane, S.B.Bharaswadkar and <b>Ashok M. Chavan</b>	2004	Studies on effect of biopesticide on fungal growth isolated from Pea.	National symposium on crop surveillance..... on 19-21 Feb. 2004.	IPS
35.	V.V.Sonawane, S.B.Bharaswadkar and <b>Ashok M. Chavan</b>	2004	Studies on allelopathic, effect of garden plant extract on seed-borne fungi of Pea.	National seminar on biotechnological approaches ... 30-31 July 2004.	UGC
36.	<b>Ashok M. Chavan</b>	2004	Role of fungal pigments in seed discoloration.	International symposium on microbial diversity .... at Jabalpur on 19-21 Nov. 2004.	SBAM and RD Uni. Jabalpur.
37.	<b>Ashok M. Chavan,</b> V.P.Pawar and V.V.Sonawane	2004	Biological control of some seed moulds of Pea.	International symposium on microbial diversity .... at Jabalpur on 19-21 Nov. 2004.	SBAM and RD Uni. Jabalpur.

38.	<b>Ashok M. Chavan</b>	2005	Plenary Lecture on 'Quality Management in Higher Education Institution	State level seminar on the role of IQAC as Quality Sustenance Measure at Georai (Beed) on 15-16 Jan. 2005.	U.G.C. (WRO) Pune
39.	<b>Ashok M. Chavan</b>	2005	Invited lecture on 'NAAC: Quality benchmark in Higher Education	State level conference on Post Accreditation Quality Sustenance..... at Beed on 13-14 March, 2005	U.G.C. (WRO) Pune
40.	V. M. Dharurkar and <b>Ashok M. Chavan</b>	2006	Detection of seed borne fungi of some crops and its management.	National conference on applied aspects of plant science and environment. At A'bad on 19-20 August, 2006	U.G.C. (WRO) Pune
41.	<b>Ashok M. Chavan</b>	2007	Biochemical changes in Pea during storage	National symposium on plant pathogen: Exploitation & Management At Uni. Jabalpur on 16 – 18 Jan, 2007	IPS & R.D. Uni. Jabalpur.
42.	<b>Ashok M. Chavan</b>	2007	A preliminary investigation on algal flora of Lonar lake.	National symposium on recent trends in algal biotechnology and biodiversity at DNM, Faijpur on 16 – 17 Feb, 2007	U.G.C. (WRO) Pune
43.	<b>Ashok M. Chavan</b>	2008	Invited Talk on Role of fungi in deterioration of archeological monuments	International workshop on Monuments Preservation by Archeological serve of India and Jonsson Farma Belgium.	A.S.I.
44.	<b>Ashok M. Chavan</b>	2008	Invited lecture on Role of fungi in deterioration of archeological monuments	State level conference on Recent trends in Mycology, Plant pathology and Fungal Biotechnology at Vaijapur on 26-27 Sept. 2008	U.G.C
45.	<b>Ashok M. Chavan</b>	2008	Glimpses in seed pathology	State level conference on integrated diseases management at Kaij, Beed on 29-30 Nov. 08	U.G.C.
46.	<b>Ashok M. Chavan</b>	2008	Invited lecture on Role of fungi in deterioration of archeological monuments	State level conference on Resent Trends in Mycology and Plant Pathology and Microbial Biotechnology Science, Vaijapur, on 26-27 Sept. 2008 (Aurangabad)	U.G.C.
47.	<b>Ashok M. Chavan</b>	2009	Recent advances in seed pathology and fungal biotechnology	National Conference on Plant Biology and Biotechnology, on 21-22 Nov. 2009 at Dharmabad	UGC and SRTMU Nanded
48.	<b>Ashok M. Chavan</b>	2010	Invited lecture on Role of fungi in deterioration of archeological monuments	National Conference on Recent trends in plant sciences for rural development. Aundha Nagnath (Hingoli), on 20-21 Feb. 2010	UGC

### **Publications: Books Published**

1. Executive Editor and publisher of "*Girikandaratun*" a book on educational problems of down traders (1997).
2. Chief Editor and publisher of "*Frontiers in Botany*" proc. of state conference in Botany (1999).
3. Chief Editor and publisher of "*Seed Technology-2000*" Proc. of state conference in Botany (2000).
4. Author of a reference book "*Fundamentals of Environmental Science*" as per pattern (2004) Renuka Pub. Aurangabad.
5. Co-Author of reference book "*The illustrations of Fungi*" Sarswati Publication Aurangabad (2006).
6. Co-author of reference book "*Biotechnology for bioassay of biomolecules from callus of Stevia (2010)*". Lambert Academic Publication, USA.

### **Conferences Attended at State / National / International Level**

1. Seminar on Biological Sciences in B.Sc. Curriculii at Aurangabad on 17-19 Jan. 1991.
2. 4<sup>th</sup> annual zonal meet of IPS at Aurangabad on 1-2 Nov. 1991.
3. "Biometry of computer application". Workshop on 10th-11th Oct. 1992 at Botany Dept. Dr. B.A.M.U., Aurangabad.
4. 15th All India Botanical Conference on 28-30 Dec. 1992 at Botany Dept. Dr. B.A.M.U., Aurangabad.
5. National Conference on 'Recent Advance in Phytotaxonomy'. On 28-30, June 1993 at Dr. B.A.M.U., Aurangabad.
6. State level seminar on 'Autonomy a step towards excellence'. On 31<sup>st</sup> July-1<sup>st</sup> Aug. 1998 at S.B.S. College, Aurangabad.
7. Workshop on 'Role of Teacher in the Preservation of Heritage' on 23rd Aug. 1998.
8. International conference on "Frontiers in Fungal Biotechnology and Plant pathogen Relations" Osmania University, Hyderabad on 16-18th Jan. 1999.
9. 'Career Conference in Botany' at B.A.M.U. Aurangabad on 20th Feb. 1999.
10. National Seminar on 'Recent advances in Plant Pathology' at Poona Univ. Pune on 30-31 March 1999.
11. State level seminar on 'Standard of instruction: U.G.C. regulation at 20-21 Nov. 1999.
12. 13th zonal meeting of Indian Phytopathological Society at Aurangabad on 24-25 Nov. 2000.
13. 21st Annual State level principal's conference on higher education in the New Millennium at Pune on 3-4 Feb. 2001.
14. State level seminar on Quality in higher education At Aurangabad on 3-4 March 2001.
15. National seminar-cum-workshop on Quality assurance..... of higher education on 9-10 Aug. 2001 at IUCAA, Pune.
16. Regional workshop for Principals of Marathwada on assessment and accreditation on 30 Sept. & 01 Oct. 2001 at S.B.S.C., Aurangabad.

17. NAAC sponsored workshop on assessment and accreditation at S.N.D.T. University, Mumbai on 28.2.2002.
18. Second Conference of Dr. B. A. M. University Principal's Association on 7-8 Dec.02 at Jalna.
19. 23rd Annual Conference of Principal on "Higher Education....." on 18-19 Jan. 2003 at Kolhapur.
20. State level workshop on B.Sc. syllabus in Botany on 5 Feb. 2005 at Aurangabad.
21. State level seminar on "Examination reforms in ....." On 05-06 Feb 2010.