

## **CURRICULUM VITAE**

### **1) PERSONAL INFORMATION:**

1. Name : **Dr. Kakde Rajendra Balasaheb**

2. Qualification : **M. Sc. (University Third Rank), Ph.D. (Botany)**

3. Designation : Assistant Professor  
Swami Vivekanand Senior College, Mantha  
Tq. Mantha Dist. Jalna 431504 (M.S.) India

4. Permanent Address : S/O B.K. Kakde, Sanmitra Nagar,  
Near Sharda Nagar,  
Kakde Flour Mill, H. no. 1-15-442  
At Post Nanded, Tq. Nanded, Dist.  
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Cell no 09767034793/09422556627  
E-mail: raj.kakde1584@gmail.com

5. Date of Birth : 01/05/1984  
(First May Nineteen Eighty Four)

6. Area of Specialization : Plant Pathology, Fungal Biotechnology, Post Harvest Pathology

### **2) ACADEMIC QUALIFICATION:**

<b>Examination</b>	<b>Board / University</b>	<b>Subject</b>	<b>Month and Year</b>	<b>Division and merit</b>	<b>Percentage</b>
S.S.C.	Latur Board	Mar., Eng., Sansk., Math., Sci., Soc. Sci.	March-2000	I <sup>st</sup> with Distinction	78.26 %
H.S.C.	Latur Board	Eng., Hindi, Math., Phys., Chem., Bio.	Feb-2002	I <sup>st</sup> with Distinction	74.17 %
Bachelor Degree	S.R.T.M.U., Nanded	Botany, Chemistry, Biotechnology	June, 2005	I <sup>st</sup> with Distinction	73.56 %
Master Degree	Dr. B.A.M.U. Aurangabad	Botany	June, 2007	University Third Rank	80.58 %
Research Degree Ph. D.	Dr. B.A.M.U. Aurangabad	Botany (Plant Pathology)	Awarded on Sept. 2011	-	-

**Ph. D. Topic : Impact of Storage Fungi on Oilseed Deterioration**

**Research Guide : Prof. Ashok M. Chavan**

**3) JOB DETAILS:**

<b>Category</b>	: OPEN
<b>Category decided by Special Cell</b>	: OPEN
<b>Current Designation</b>	: Assistant Professor
<b>Current Stage</b>	: Stage - 3
<b>Current AGP</b>	: AGP – 8000; Academic Level - 12
<b>Date of First Appointment</b>	: 07-09-2012
<b>Date of Retirement</b>	: 06-09-2044
<b>Type of Approval</b>	: Regular
<b>Subject for which Approval is granted by University</b>	: Botany
<b>University Approval Letter No. and Date</b>	: ACAD/AFFIL/SELE.COMMI./SNM/2012-2013/34217-22 [Dt. 06-10-2012 ]

**4) FELLOWSHIPS /AWARDS:**

- 1. UGC JRF** in the form of UGC- Project Fellow, (01 April 2008 to 31 March 2011).
- 2. Best Oral Research Paper Presentation Award** in State level Seminar on Integrated Disease Management of Crop plants, at Vasant College, Kaij, on 29-30 Nov. 2008.
- 3. Best Oral Presentation Award** in National Conference at Milind College, Aurangabad (M.S.), on 26-27 Dec. 2008.
- 4. Best Oral Presentation Award** in National Conference at C.T.B. College, Shirur, Pune (M.S.), on 09-10 Jan, 2010.
- 5. Young Scientist Award** in National Conference at Aundha Nagnath, Dist. Hingoli, on 21 Feb. 2010.
- 6. Best Oral Presentation Award** in National Conference at Shrikrishna Mahavidyalaya, Gunjoti, Omarga (M.S.), on 22-23 Jan 2011.
- 7. Best Oral Presentation Award** in National Seminar at Adarsh Mahavidyalaya, Omarga (M.S.), on 02-03 February 2015.
- 8. Dr. Radha Krishnan Gold Medal Award** for the Contribution in Research and Education Field by Global Economic Progress and Research Association, New Delhi on 05 September 2015.
- 9. Dr. A.P.J. Abdul Kalam Gold Medal Award** for the Excellence in Research and Education Field by Global Economic Progress and Research Association, New Delhi on 15 October 2015.
- 10. Dr. A.P.J. Abdul Kalam Award for Young Scientist-2015** by Marina Labs, Chennai on 27 October 2015.
- 11. Distinguished Faculty Award** by International Academy of Science and Research, Kolkata on 29 July 2019.

## 5) ORGANIZER/COORDINATOR

1. **Organizer of One Day Workshop on “Horticulture Training”** held on 31<sup>st</sup> July 2014 at Taluka Agriculture Office Mantha Dist. Jalna (M.S.).
2. **Co-ordinator of One Day Soil Testing Programme** on 17 December 2014 at Swami Vivekanand Senior College, Mantha, organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
3. **Co-ordinator of Two Days Groundwater Management Programme** on 09-10 January 2018 at Swami Vivekanand Senior College, Mantha, organized by Swami Vivekanand Senior College, Mantha and Bahishal Shikshan Mandal, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
4. **College Co-ordinator for ‘Avishkar-2017 organized** by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 23-25 December 2017.
5. **College Co-ordinator for District Level ‘Avishkar-2018** organized by JES College, Jalna 11 December 2018.
6. **Co-ordinator of One Day Division level Workshop on Mushroom Cultivation** organized by Department of Botany, Swami Vivekanand Senior College, Mantha and Nutrimist Mushroom, Aurangabad on 03 August 2019.
7. **Local Co-ordinator** of State Level Science Talent Search Examination 2020 organized by Balbhim Arts, Commerce and Science College, Beed on 18 January 2020.
8. Organized Online International E-Conference on Plant Science as a **Convener** on 01 June 2020.
9. Appointed as **IQAC Co-ordinator**, Swami Vivekanand Senior College, Mantha on 26 November 2021 to till date.

## 6) ORIENTATION COURSES/ REFRESHER COURSES

1. Completed **103<sup>rd</sup> Orientation Course**, Organized by Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 02.06.2014 to 28.06.2014.
2. Completed **Refresher Course in Biology** Organized by Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 17.11.2015 to 08.12.2015.
3. Completed **Refresher Course in Biology** Organized by Indian Institute of Science and Talent Development Center, Kudapura, Bangalore on 25.11.2017 To 15.12.2017.
4. Completed **Online course of Cell Biology**, 12 weeks, organized by SWAYAM on 15.07.2019 to 05.08.2019.
5. Completed **Refresher Course of Advanced Instrumentation (MD)**, organized by UGC Human Resource Development Center, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 18.11.2019 to 30.11.2019.
6. Completed Short Term Course on **Research Methodology** (online) organized by UGC Human Resource Development Center, Goa University, Goa on D: 08.02.2022 to 15.02.2022

## 7) TEACHING EXPERIENCE:

Sr. No.	Courses taught	Name of University/ College/ Institution	Duration
1.	Post graduate (M. Sc.)	Dept. of Botany, Dr. B. A.M.U. Aurangabad. (As a Contributory teacher.) (2007-2011)	04 Years
2.	Under Graduate	Dept. of Botany, Swami Vivekanand Senior College, Mantha Dist Jalna (M.S.)	10 Years 03 months

## 8) RESEARCH EXPERIENCE:

- Worked as a Project Fellow during April 2008 to March 2011.
- 10 years on Wood Rotting Fungi

**9) MEMBERSHIP OF PROFESSIONAL\SCIENTIFIC ORGANIZATION**

- Life Member of Indian Society of Mycology and Plant Pathology
- Life Member of Mycological Society of India, Chennai
- Life Member of Indian Science Congress
- Triennial Member of Science Reporter (NISCAIR), New Delhi
- Annual Member of Indian Phytopathological Society, New Delhi (2010-2011)

**10) PUBLICATIONS:**

- Published 43 papers in renowned scientific journals (Annexure I)

Paper in Journal		Paper in Proceeding		
National	International	State	National	International
05	38	-	01	02

- Year wise publication detail

Year of Publication	2009	2010	2011	2012	2013	2014	2015	2019	2020	2021	2022
Number of Publication	13	07	08	05	00	01	02	04	03	02	02

- Citation Index: **173**; h-Index: **07**; i10 Index: **06**
- Six Books have been Published (Annexure II)
- Chapter in Book 03 (Annexure III)

**11) REVIEWER:**

- Reviewer of African Journal of Agriculture Research
- Reviewer of British Microbiology Research Journal
- Reviewer of Wudpecker Journal of Agricultural Research
- Reviewer of Journal of Applied Biology and Biotechnology

**12) ATTENDED CONFERENCES/WORKSHOPS/SEMINAR:**

- (Annexure IV)

Paper presented			Attended		
State	National	International	State	National	International
05	25	07	07	01	05

- Year wise conference detail

Year of Conference	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Number of Conference	01	05	08	07	02	04	03	06	01	02	03	02	05	00	00	01

### **13) LECTURES DELIVERED**

- Delivered Lecture on **Research Methodology**, as a **Resource Person** in Pre-Ph.D. course organized by Department of Botany, Dr. B.A.M. University, Aurangabad on 06.11.2014.
- **Visiting Faculty Member** for the guiding the students at Department of Botany, Art's, Commerce and Science College, Ambad, Dist. Jalna.
- Given **Online Invited talk** on “Role of Wild Vegetables as Immunobooster” organized by Dept. of Botany, Yogeshwari Mahavidyalaya, Ambajogai, Dist. Beed. D: 07.07.2021.
- Given online **Invited talk** on “Preparation of Online Examination” in National Workshop organized by IQAC and Dept. of Computer Science, R.B. Attal College, Georai, Dist. Beed (M.S.) on D: 11.08.2021.

### **14) EXAMINATIONS DUTIES**

- Answer sheet assessment at every semester at DCAS.
- Worked as **Chief Superintendent** (C.S.) of Examination at Swami Vivekanand Senior College, Mantha during 09.05.2015 to 25.05.2015.
- College **IT-Coordinator** of Online Examination held by Dr. BAMU, Aurangabad on Oct/Nov. 2020 held in March/April 2021.
- College **IT-Coordinator** of Online Examination held by Dr. BAMU, Aurangabad on March/April 2021 held in July/Aug. 2021.

### **15) MAJOR/MINOR RESEARCH PROJECT**

- As a Principal Investigator, completed Minor Research Project entitled **Mushroom Formulation for the Diabetes treatment : An Alternative for Insulin** sanctioned by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Sanctioned Date : 24.06.2019

## ANNEXURE I

### **Publications: Papers Published in UGC CARE listed/Peer Reviewed Scientific Journals**

1. **Rajendra B. Kakde and Rajesh S. Gaikwad (2022).** Medicinally Important Climbers in Mantha Region of Jalna District, (M. S.) India. *Int. J. of Science and Research.* 11(7): 1438 – 1444. ISSN: 2319-7064. Date: 28.07.2022
2. **Rajesh S. Gaikwad and Rajendra B. Kakde (2022).** Some Wild Medicinal Plants in Mantha Region of Jalna District. *International J. of Current Science.* 12(1): 60-69. D: 01.02.2022. ISSN- 2250-1770.
3. **Rajendra B. Kakde (2021).** Impact of Medicinal Mushrooms Powder Under Conditions of Diabetes Mellitus. *J. Emerging Technologies and Innovative Research.* 8(7):799-808. D: 17.07.2021.ISSN-2349-5162.
4. **Rajendra B. Kakde (2021).** Mushroom Formulation for Diabetes and other Health Related Complaints. *The International journal of analytical and experimental modal analysis.* 13(7): 1636-1647. ISSN NO: 0886-9367. D: 15.07.2021.
5. R.S. Gaikwad, **R. B. Kakde**, P.A. Zol, T.B. Nirwal, P.A. Borade, V.G. Pokharkar, S.K. Shahane, R.B. Deshmukh, P.P. Wayal, R.V. Bhutkar, S.M. Dayama and A.U. Pawar (2020). Evaluation of Fungal Contamination of Currency Notes Circulating in Mantha Market. *The International journal of analytical and experimental modal analysis.* 12(4): 95-104. 15 April 2020. ISSN NO: 0886-9367.
6. S.E. Mahamune, S.M. Sangale and **R.B. Kakde** (2020). Isolation of seed-borne mycoflora of winged bean. *The International journal of analytical and experimental modal analysis.* 7(4): 38-43. 15 April 2020. ISSN NO: 0886-9367.
7. **Rajendra B. Kakde** (2020). Green Audit: A Case Study of Swami Vivekanand Senior College, Mantha. *Our Heritage.* 68(38): 1284-1295. 13 February 2020. ISSN: 0474-9030.
8. **Rajendra B. Kakde** and R.S. Gaikwad (2019). Incidence of post-harvest fungi on mango and papaya and their impact on nutritional status. *Journal of Global Resources.* 5 (2): 208-214. July 2019. ISSN 2395-3160.
9. R.S. Gaikwad and **Rajendra B. Kakde** (2019). Isolation of post-harvest spoilage fungi associated with medicinal plant parts. *Journal of Global Resources.* 5 (2): 215-219. July 2019. ISSN 2395-3160
10. **Rajendra B. Kakde** and Ashok M. Chavan. (2019). Biotic and abiotic factors responsible for deterioration of Ajanta Ellora caves. *International Journal of Management and Economics.* 1 (29): 207-211. March 2019. ISSN 2231 – 4687.
11. **Rajendra B. Kakde**, K.V. Badar and Ashok M. Chavan. (2019). Effect of storage fungi on physico-chemical changes in sunflower oil. *International Multidisciplinary E-Research journal.* 120: 28-32. 16.02.2019. ISSN 2348-7143.
12. Rajesh S. Gaikwad and **Rajendra B. Kakde.** (2015). Characterization of wood rotting fungi at mantha, District Jalna (Maharashtra) India. *International Journal of Current Research.* 7(5): 16402-16406. ISSN: 0975-833X. Impact Factor-5.349.

13. **Rajendra B. Kakde** and Ashok M. Chavan (2015). Characterization of storage fungi isolated from oilseeds. In proceeding of National Conference on *Frontiers in Plant Diseases and its Control* held on 02-03 Feb. 2015, pp. 238-246. ISBN 978-81-930533-1-7.

14. **Rajendra B. Kakde** and Rajesh S. Gaikwad (2014). Diversity of wood decay fungi at Mantha, Jalna (MS). India. *Biosci. Disc.*, 5(2):230-236. Impact Factor- 3.42; ISSN Print 2229-3469; ISSN Online 2231-024X.

15. **Rajendra B. Kakde** and Ashok M. Chavan (2012). Nutritional changes in soybean and safflower oil due to storage fungi. *Current Botany*. 3(4): 18-23. ISSN 2220-4822.

16. Rajesh S. Gaikwad, **Rajendra B. Kakde**, Anil U. Kulkarni, Deepmala R. Gaikwad and V.H. Panchal (2012). In vitro antimicrobial activity of crude extracts of *Jatropha* species. *Current Botany*. 3(3): 09-15. ISSN 2220-4822.

17. **Rajendra B. Kakde**, K. V. Badar, S. M. Pawar and Ashok M. Chavan (2012). Storage mycoflora of oilseeds: a review. *International Multidisciplinary Research Journal*. 2(3):39-42. ISSN 2231-6302.

18. K. V. Badar, **Rajendra B. Kakde**, S. M. Pawar and Ashok M. Chavan (2012). Bioactivity of plants gums against pathogenic fungi. *International Multidisciplinary Research Journal*. 2(3):09-12. ISSN 2231-6302.

19. **Rajendra B. Kakde** and Ashok M. Chavan (2011). Molecular Characterization of *Fusarium* spp. by using RAPD Technique. *J. of Ecobiotech*. 3(11): 01-04. ISSN 2077-0464.

20. 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. ISSN 0971-9393.

21. **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. ISSN 2229-712X. Impact Factor 6.02

22. **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. ISSN2229-712X. Impact Factor 6.02

23. Ashok M. Chavan and **Rajendra B. Kakde** (2011). An Eco-friendly approach to control storage fungi. *Elixir Appl. Bot.* (38): 4150-4153. ISSN 2229-712X. Impact Factor 6.02

24. **Rajendra B. Kakde** and Ashok M. Chavan (2011). Deteriorative changes in oilseeds due to storage fungi and efficacy of botanicals. *Curr. Bot.* 2(1):17-22. ISSN2220-4822

25. Swapnil E. Mahamune and **Rajendra B. Kakde**. (2011). Incidence of Seed-borne Mycoflora on French Bean Mutants and its Antagonistic Activity Against *Trichoderma harzianum*. *Recent Research in Science and Technology*. 3(5): 62-67. ISSN 2076-5061.

26. **Rajendra B. Kakde** 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. ISSN 2076-5061.

27. **Rajendra B. Kakde** and Ashok M. Chavan (2011). Extracellular Lipase Enzyme Production by Seed-borne Fungi under the influence of physical factors. *Intern. J. of Biology*. 3(1): 94-100. ISSN 1916-9671.

28. G.M. Rathod, **R.B. Kakde**, Gadgile D.P. and A.M. Chavan. (2010). Cultural and nutritional characteristics of isolates of *Fusarium* sp. from papaya fruits. *The Ecotech*. 2(1): 26-28. ISSN 0974-9063.

29. **Rajendra B. Kakde** and Ashok M. Chavan (2010). Determination of Toxicity of some Fungal Metabolites on Seed germination and Pigment Leaching. *J. of Ecobiotechnology*. 2 (6): 46-55. ISSN 2077-0464.

30. Gadgile, D.P., **Kakde R.B.**, Rathod, G.M. and Ashok M. Chavan. (2010). Post-harvest fungal diseases of some tropical fruits. *Biosci. Disc.* 1(1): 7-10. Impact Factor- 3.42; ISSN Print 2229-3469; ISSN Online 2231-024X.

31. Gadgile, D.P., **Kakde R.B.** and Ashok M. Chavan. (2010). Post-harvest fungi associated with pomegranate and citrus fruits. *Bioinfolet*.7 (3): 273. Impact Factor- 2.0; ISSN 0973-1431.

32. Gaikwad R.S., Gadgile D.P., Chavan A.M., **Kakde R.B.**, Pangrikar P.P. and Hatti A.D. (2010). Bioactivity of *Jatropha* species extracts against human pathogenic bacteria. *The Biosphere*. 2(1):66-68. ISSN 0975-3877.

33. Ashok M. Chavan and **Rajendra B. Kakde** (2010). Impact of carbon and nitrogen sources on lipase enzyme activity of fungi isolated from abnormal oilseeds. *Indian Journal of Applied and Pure Biology* 25(1): 31-34. ISSN 0970-2091.

34. **R.B Kakde**, D.P. Gadgile, P.P. Pangrikar, A.D. Hatti, R.S. Gaikwad and Ashok M. Chavan (2010). Soybean seed germination status under the influence of fungal metabolites. *Bionano Frontier*. 3 (1): 116-117. Impact Factor-4.86; ISSN 0974-0678.

35. R.S. Gaikwad, D.P. Gadgile, **R.B. Kakde** and A.D. Hatti, P.P. Pangrikar, Ashok M. Chavan and D.S. Mukadam (2010). Bioefficacy of plant parts of *Jatropha* sp. against pathogenic fungi. *Bionano frontier*. 3 (1): 104-106. Impact Factor-4.86; ISSN 0974-0678.

36. 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). ISSN 2076-5061.

37. **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. ISSN 0971-6920.

38. 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. ISSN 0971-6920.

39. 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): 73-75. ISSN 0972-3099. Impact Factor 0.631

40. 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* sp. *The Ecotech.* 1(2): 128-129. ISSN 0974-9063.

41. 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. ISSN 0974-9063.

42. 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): 106-109. ISSN 0974-9063.

43. 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. ISSN 0974-9063.

44. 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 J. of Life Sciences.* 6 (2): 215-217. ISSN 0972-995x.

45. Pangrikar P.P., Gadgile D.P., Hatti A.D., **Kakde R.B.**, Chavan A.M., 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. Impact Factor-4.856; ISSN 0974-0678.

46. Ashok M. Chavan and **R.B. Kakde**. (2009). Studies on abnormal oilseeds mycoflora from Marathwada region. *Bionano frontier.* 2 (2): 101-104. Impact Factor-4.856; ISSN 0974-0678.

47. Ashok M. Chavan and **R.B. Kakde**. (2009). Detection of fungal load on abnormal oil seeds from Marathwada region. *Bioinfolet.* 6 (2):149-150. Impact Factor- 2.0; ISSN 0973-1431.

## **ANNEXURE II**

### **PUBLISHED BOOKS**

1. **Rajendra Kakde** and Ashok Chavan (April 2012). Storage Fungi- Role in Biodeterioration and Biocontrol. ISBN (978-3- 8484-8112-5) by Lambert Academic Publishing GmbH & Co. KG, Germany. Pp. 46. Price 67.57\$ (Amazon.in)
2. Rajesh Gaikwad, **Rajendra Kakde** and Digambar Mukadam (May 2012). *Jatropha* sp.- Methods of Propagation and Bioassay. ISBN (978-3-659-13279-7) by Lambert Academic Publishing GmbH & Co. KG, Germany. Pp. 117. Price 74\$ (Amazon.in)
3. Gulab Rathod, **Rajendra Kakde** and Ashok Chavan (July 2012). Post-harvest Diseases of Papaya Fruits. ISBN (978-3-659-19703-1) by Lambert Academic Publishing GmbH & Co. KG, Germany. Pp.191. Price 96\$ (Amazon.in)
4. D.P. Gadgile, **R.B. Kakde**, V.P. Pawar and R.S. Gaikwad (May 2014). Essentials of Plant Physiology. ISBN (978-93-80393-43-8). Alfa Publications, Nanded. India. Pp. 186. Price 180/-
5. **R.B. Kakde**, R.S. Gaikwad and G.D. Mule (May 2015). Introduction to Cell and Molecular Biology. ISBN (978-3-659-71307-1) by Lambert Academic Publishing GmbH & Co. KG, Germany. Pp. 183. Price 73\$ (Amazon.in).
6. **R.B. Kakde** (October 2018). Genetics- The Continuity of Life. ISBN (978-613-9-81708-5). Lambert Academic Publishing GmbH & Co. KG, Mauritius. Pp. 199. Price 71€.

## **ANNEXURE III**

### **CHAPTER IN BOOK**

1. **Rajendra B. Kakde. (2022).** A Review on Order Agaricales. *Frontiers in Biological Sciences*. 979-888629608-2. Pg. 390-398. Notion Press Publication. Date: 09 March 2022.
2. **Rajendra B. Kakde. (2021).** Fungal Contamination of Paper Currency Possessed by Different Occupationers and Its Control. *Applied Research in Botany*. Mahi Publication. Vol. I. Pg. 103-110. ISBN 9789390651597. Date: April 2021.
3. **Rajendra B. Kakde and D.S. Mukadam (2021).** Transgenic crop: A Magic Revolution in Agriculture. *Sustainable Development for Future: Insights from Agriculture, Health, Aquaculture, Education, and Environment*. Notion Press Publication. Pg. 99-114. ISBN 979-888521899-3. D: 10 December 2021

## ANNEXURE IV

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

Sr. No.	Name of Authors	Year	Title of Paper	Name of Symposia/Conference	Sponsoring Agency
1.	<b>Rajendra B. Kakde</b> and Avinash Ade	6-7 Oct, 2007	Dye Degradation by Fungi	National Conference on Modern Trends in Plant Sciences, at Aurangabad	Dept. of Botany, Dr. B.A.M.U., Aurangabad
2.	<b>Rajendra B. Kakde</b> and Avinash Ade	23-24 Feb. 2008	Synthetic Dye Degradation by using Bacteria	National Conference on Plants: Biology to Biotechnology at Nanded	Dept. of Botany, Yeshwant Mahavidyalaya, Nanded
3.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	20-21 Sept. 2008	Detection and Characterization of <i>Aspergillus flavus</i> from discoloured sesame seeds	National Conference on Changing role of plant sciences in biotechnology and bioperspective	Dept. of Botany, Science College, Nanded
4.	<b>Rajendra B. Kakde</b> , Amit D. hatti and Ashok M. Chavan	26-27 Sept. 2008	Biodiversity of Fungi on Abnormal seeds of soybean	State level conference on Recent trends in Mycology, Plant pathology and Fungal Biotechnology at Vaijapur	Dept. of Botany, Vinayakrao Patil College, Vaijapur and U.G.C
5.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	29-30 Nov. 2008	Fungal load on Abnormal oilseeds from Marathwada Region	State level conference on Integrated diseases management at Kaj, Beed	Dept. of Botany, Vasant Mahavidyalaya, Kaj and U.G.C.
6.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	26-27, Dec. 2008	Biodiversity of Fungi with respect to Abnormal Oilseeds from Marathwada Region	National Conference on Recent Trends in Plant Sciences, at Aurangabad	Dept. of Botany, Milind College of Science, A'bad
7.	D.P. Gadgile, <b>R. B. Kakde</b> and A. M. Chavan	3-4 Jan. 2009	Changes in Ash Contents of Mango Pulp due to Different Isolates of <i>A. niger</i>	State level conference on Fifty Years of Botany in Marathwada, at Parbhani	Dept. of Botany, Shivaji College, Parbhani, UGC
8.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	12-14 Feb. 2009	Effect of Different Carbon Sources on Lipase enzyme Activity of Selected Dominant Fungi Isolated from Abnormal Oilseeds	International Conference on Advances in Biosciences: from Darwin to Dolly & Beyond... at Nanded	Department of Zoology, Yeshwant College, Nanded and UGC, DST, DBT, DRDO and SRTMUN
9.	D.P. Gadgile, <b>R. B. Kakde</b> and A. M. Chavan	14-15 March 2009	Changes in Cellulose Contents of Mango Pulp due to Different Isolates of <i>A. niger</i>	National Conference on Recent Trends in Biodiversity and Bio-science, Murum	UGC & IAAB Hyderabad

10.	D.P. Gadgile, <b>R. B. Kakde</b> and A. M. Chavan	15-16 March 2009	Fungal Pollution in Post-harvest Mango Fruits	State level Seminar on Current Environmental Problems, at Nanded	UGC & SRTMU
11.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	29-30 Aug. 2009	Extracellular Lipase action of oilseed-borne Fungi Under the Influence of Antibiotics	National Level Seminar on Biodiversity: Emerging Challenges & Opportunities, at Majalgaon	Dept of Zoology, Majalgaon, Art, Comm and Sci. College Majalgaon, UGC
12.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	23-25 Oct. 2009	Impact of Fungal Metabolites of Germination status of Oilseeds	National Symposium on Microbial Wealth-Plant Health, Siliguri, West Bengal	University of North Bengal & Ind. Soc. Of Mycology and Plant Pathology
13.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	11-13 Nov. 2009	Impact of Storage Fungi on Biochemical Status of Oilseeds	International Conference on Plant Pathology in Globalized Era	IPS and IARI, New Delhi
14.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	21-22 Nov. 2009	Impact of Physical Factors on Extracellular Lipase action of Oilseed-borne fungi	National Conference on Plant Biology and Biotechnology, on at Dharmabad	Dept. of Botany, LBS College, Dharmabad, UGC and SRTMU Nanded
15.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	3-4 Jan. 2010	Toxic Potentialities of Culture Filtrate of Storage Fungi on Various Plant Parts	National Conference on Frontiers in Plant Diseases: Diagnosis and Management, at Nilanga	Department of Botany, Maharashtra College, Nilanga and UGC, SRTMUN
16.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	9-10 Jan. 2010	Nutritional Changes in Oilseeds due to Association of Storage Fungi	National Seminar on Frontiers in Biotechnological Aspects of Plant Sciences, at Shirur, Pune	Department of Botany, CT Bora College, Shirur BUGC
17.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	20-21 Feb. 2010	Evaluation of Algal Extract and <i>Trichoderma</i> against Storage Fungi	National Conference on Recent Trends in Plant Sciences for Rural Development, Aundha Nagnath (Hingoli)	Department of Botany, Nagnath Arts, Comm, and Sci. College, Aundha Nagnath Dist Hingoli UGC and SRTMUN
18.	D.P. Gadgile, <b>R. B. Kakde</b> and A. M. Chavan	26 Feb. 2010	Fungal Biodiversity of Post-harvest Mango Fruits with Respect to Different Types of Injuries	National Seminar on Emerging Trends in Biodiversity and Environment	Institute of Science, Aurangabad
19.	D.P. Gadgile, <b>R. B. Kakde</b> and A. M. Chavan	2-4 Sept. 2010	Genetic Diversity and Phylogenetic Relationship of <i>Aspergillus niger</i> Isolates from mango Fruits	XI International Conference on Plant Biosystematics, Aurangabad	IOPB, IAPT, IAAT, BSI and Dept. of Botany, Dr. BAMU, A'bad

20.	<b>Rajendra B. Kakde</b>	17 Sept. 2010	Attended	Workshop on Recent Advances on Flash Chromatography	Dept. of Chemical Tech. Dr. BAMU, GDCI, Pune
21.	<b>Rajendra B. Kakde and Ashok M. Chavan</b>	14-16, Dec. 2010	Bioefficacy of Leaf Extracts, gums and Essential Oils of Medicinal Plants against seed-borne Fungi	National Symposium on Perspectives in Plant Health Management, Anand, Gujarat	Anand Agriculture University, Gujarat, ISMPP
22.	<b>Rajendra B. Kakde and Ashok M. Chavan</b>	22-23 Jan. 2011	Toxic Potentialities of Fungal Metabolites on Germination Status of Oilseeds	National Conference on Role of Non-agricultural Institution in the Improvement of Agricultural Technology at Gunjoti, Osmanabad	Department of Botany, Shrikrishna College, Gunjoti, Osmanabad UGC WRO (Pune)
23.	<b>Rajendra B. Kakde and Ashok M. Chavan</b>	28-29 Jan. 2011	Physicochemical Properties of Biodeteriorated Oil of Sesame and Groundnut	National Conference on Frontiers of Plant Sciences for Sustainable Agriculture & Rural Development	Department of Botany, Arts, Commerce, Science College, Naldurg, Osmanabad UGC
24.	<b>Rajendra B. Kakde and Ashok M. Chavan</b>	06-07 Feb. 2012	Deterioration of Oilseeds and Oils due to Storage Fungi and Antagonistic activity of <i>Trichoderma harzianum</i> and <i>Trichoderma viride</i> Against them	National Conference on Mycodiversity with its Sustainable Exploration and Biotechnological Applications, Amravati	Department of Botany, Shivaji Science College, Amravati, UGC, DST, ICAR, ISCA, SGBAU
25.	<b>Rajendra B. Kakde and Ashok M. Chavan</b>	13 Feb. 2012	Effect of Storage Fungi on Deterioration of Oilseeds	National Conference on Advances in Biotechnology and Biodiversity for Rural Development, Kada, Ashti (Beed)	Dr. B.A.M.U.
26.	<b>Rajendra B. Kakde</b>	28 Feb. 2012	Attended	One day workshop on Bioscience Communication Through Research Papers (BCtRP)	Biol. Research Communication Academy
27.	Anil U. Kulkarni, <b>Rajendra B. Kakde</b> , Rajesh S. Gaikwad and Ashok M. Chavan	4-6 Dec. 2012	Effect of different physical conditions on aflatoxins production	National Conference on Blending Conventional and Modern Plant Pathology for Sustainable Agriculture	IPS, New Delhi & IIHR Bangalore
28	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	10-12 Oct. 2013	Mycoparasitism studies of <i>Trichoderma viride</i> against plant pathogenic fungi and their toxin detection	National Seminar on “Organic Farming- Need of the Time”	Department of Botany, Dada Patil Mahavidyalaya, Karjat, Ahmadnagar
29.	<b>Rajendra B. Kakde</b> , Rajesh S. Gaikwad and Anil U. Kulkarni	27-28 Dec. 2013	Effect of Different Physical Factors on Mango and Papaya Fruit Rotting	National Symposium on Plant Disease: Diagnostic and Integrated Disease Management for Food Security”	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani

30.	S.D. Rajmane and <b>Rajendra B. Kakde</b>	29-30 Dec. 2013	Nutritional Status of Mango and Papaya Fruits under the influence of Post-harvest fungi	National Conference on “Emerging trends in Plant Sciences”	Department of Botany, B’Raghunath College, Parbhani
31.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	08-10 Jan. 2014	Nutritional Status of Fungal Deteriorated Oil Under the Influence of Storage Fungi	35 <sup>th</sup> Annual Conference and National Symposium on “Innovative and Ecofriendly Research Approach for Plant Disease Management”	Dept of Plant Pathology, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola
32.	<b>Rajendra B. Kakde</b>	27 Jan. 2014	Attended	One day State level Seminar	SAM and MSI, at Art, Commerce and Science College, Parbhani
33.	<b>Rajendra B. Kakde</b>	13 Feb. 2014	Attended	State level Conference on “Recent Advances in Agriculture Biotechnology”	Department of Microbiology, Nutan College, Selu, Parbhani
34.	<b>Rajendra B. Kakde</b>	20 July 2014	Attended	One day State level Seminar on “Recent Trends in Biotechnology”	Microbiologists Society of India, Aurangabad
35.	<b>Rajendra B. Kakde</b> and Rajesh S. Gaikwad	1-5 Dec. 2014	Diversity of wood decay fungi in Mantha Dist. Jalna (M.S.)	International Level Third Global Sustainable Biotech Congress	NMU Jalgaon, GBF, Nagpur and Cetys University, Mexico
36.	<b>Rajendra B. Kakde</b>	30-31 Dec. 2014	Attended	National conference on Science and technology for human development	Department of Botany, Dr. BAMU. Aurangabad
37.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	02-03 Feb. 2015	Characterization of Storage Fungi Isolated From Oilseeds	National Seminar on Frontiers in Plant Diseases and its control for Agriculture Development	UGC and Department of Botany, Adarsh Mahavidyalaya, Omerga Dist. Obad
38.	<b>Rajendra B. Kakde</b> , Shubhash B. Pawar and Ashok M. Chavan	11-13 Feb. 2016	Biochemical changes in onion under the influence of storage and field fungi	International conference on Plant Research and Resource Management	APSI, UGC, Department of Botany, TC College, Baramati
39.	<b>Rajendra B. Kakde</b>	06-11 Nov. 2016	Characterization of Some Mushrooms from Mantha District Jalna	International conference on Current Trends in Science, Social Science and Management	SDNLS, Malaysia
40.	<b>Rajendra B. Kakde</b>	01-02 March 2017	Deterioration of Ajanta Ellora Caves and Paintings due to Environmental Factors	National Conference on Recent Trends in Plant Sciences	MBS & Dept. of Botany Dr. B.A.M.U. Aurangabad
41.	<b>Rajendra B. Kakde</b>	01 July 2017	Attended	One day workshop on Maharashtra University Act-2016, VII Pay Commission, NPS	Badrinarayan Barwale and BAMUCTO
42.	<b>Rajendra B. Kakde</b>	24-25 Decemb er 2017	Post-harvest fungal diseases of Guava ( <i>Psidium guava L.</i> ) from Mantha	National Seminar on “Recent Advances in Natural Sciences and Social Sciences”	SDNLS and Dr. BAMU, Aurangabad

43.	<b>Rajendra B. Kakde</b>	26 February 2018	Attended	One Day seminar-cum-“Exhibition on Medicinal Plants”	SRTMU Nanded and Rajiv Gandhi S & T Commission
44.	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	19-21 November 2018	Physico-chemical status of sunflower oil under the influence of storage fungi	International symposium on “Fungal Biology: Advances, Applications and Conservation”	MSI and Agharkar Research Institute, Pune
45	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	14 February 2019	Attended	National Conference on “Recent developments in life sciences for human welfare”	Y.C. College, Sillod and Dr. BAMU Aurangabad
46	<b>Rajendra B. Kakde</b> and Ashok M. Chavan	29 March 2019	Attended	One day National Conference on “Entrepreneurship, Innovation and Regional Development”	Toshniwal Arts, Commerce & Science College, Sengaon
47	<b>Rajendra B. Kakde</b>	29 July 2019	Attended	International Multidisciplinary Research Conference on “Biodiversity, Climate change, Environment and Life Science”	S.B.E.S. College of Science, Aurangabad
48.	<b>Rajendra B. Kakde</b>	11 August 2019	Attended	National Conference On Emerging Trends and Challenges in Biosciences	R. B. Attal Arts, Science & Commerce College, Georai, Dist. Beed.
49.	<b>Rajendra B. Kakde</b>	27 December 2019	Attended	National Level Workshop on “Online Filling of AQAR”	Shri Vyankatesh Arts, Commerce and Science College, Deulgaon Raja, Dist. Buldhana
50.	<b>Rajendra B. Kakde</b>	01 December 2022	Attended	National Webinar on “Intellectual Property Rights and Patent Filing”	IQAC, Adarsh Mahavidyalaya, Omerga, Tq. Omerga, Dist. Osmanabad, MS.

### **Declaration:**

I hereby declare that, above furnished information is true to the best of my knowledge. I will be responsible for any action if found any false information. Thank you.

**Dr. Rajendra B. Kakde**  
**Assistant Professor (Botany)**  
**IQAC, Co-ordinator**