


BIO DATA

	<p>DR. SUMIA FATIMA M.Sc., Ph.D., F.S. Sc., F. S. L. Sc. Professor & Head, Dept. of Botany, Dr. Rafiq Zakaria College for Women, Aurangabad – 431 001 (M.S) INDIA Contact : sumiazafar@gmail.com Cell # +91-9156063704</p>
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1. Full Name : Dr. Sumia Fatima
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2. Designation : Professor & Head, Department of Botany
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3. Affiliation : Professor& Head
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4. Residence : Jetvan colony Apt, Plot no. 9, Gogababa,
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5. Contact Details : Office: 0240-2402462
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Cell No: +91-9156063704
6. E-mail : sumiazafar@gmail.com
7. Date of Birth : 1st June, 1962

8. EDUCATIONAL QUALIFICATION:

DEGREE	MONTH /YEAR	UNIVERSITY	SUBJECTS
B.Sc.	June 1984	Marathwada University, Aurangabad (Dr. Babasaheb Ambedkar Marathwada University Aurangabad)	Botany Zoology, Chemistry
M.Sc.	June 1986	Marathwada University, Aurangabad (Dr. Babasaheb Ambedkar Marathwada University Aurangabad)	Botany
Ph.D.	Awarded in March 1991 (UGC-JRF)	Marathwada University, Aurangabad (Dr. Babasaheb Ambedkar Marathwada University Aurangabad)	Botany

FELLOW OF SCIENTIFIC SOCIETIES

F.S. Sc. (Fellow of Society for Sciences)	26 th May, 2012		Society for Sciences
F. S. L. Sc.	26 th May, 2012		Society of Life Sciences

9. ACADEMIC DEVELOPMENT: Dr. Sumia Fatima

Sr. no.	Designation	University	Year
1.	Research Guide	Dr. BAMU Aurangabad	2009
2.	Reader	Dr. BAMU Aurangabad	1998
3.	Asso. Professor	Dr. BAMU Aurangabad	2004

10. SUBJECTS TAUGHT: Dr. Sumia Fatima

Sr.No.	CLASS	PAPER	TITLE
1	B.Sc.I st Year (Sem-I)	I III	Diversity of Cryptogams-I (Theory) & Practical
	(Sem-II)	V VII	Diversity of Cryptogams-II (Theory) & Practical
2	B.Sc.II Year (Sem-III)	IX XI	Taxonomy of Angiosperms (Theory) & Practical
	(Sem-IV)	XIII XV	Gymnosperms and Utilization of Plants (Theory) & Practical
3	B.Sc.III Year	XVIII (C)	Plant Pathology (Theory)

	(Sem-V)	XX (C)	Practical
	(Sem-VI)	XXII (C) XXIV (C)	Microbiology and Disease Management(Theory) Practical

11. AREA OF SPECIALIZATION : Plant Pathology

12. DOCTORAL THESIS : “Studies on resistance of fungal pathogens to fungicides”.

13. RESEARCH EXPERIENCE : 34 Years

14. TEACHING EXPERIENCE : 30 years

Lecturer : 1989-1998

Reader : 1998-onwards

Asso. Prof. : 2006 –2015

Professor : 2016 onwards

15. ADDITIONAL QUALIFICATION:

i. RESEARCH GUIDE : Yes

16. ADMINISTRATIVE EXPERIENCE : 24 Years

SN	DESIGNATION AT INSTITUTE	YEAR
1.	Head, Department of Botany, Sir Sayyed College of Arts, Sci. and Commerce, Aurangabad.	1992-1994
2.	Head, Department of Botany, Dr. Rafiq Zakaria College for Women, Aurangabad. (Earlier: Aurangabad College for Women Aurangabad.)	1995-till date

18. RESEARCH CONTRIBUTION:

i. Research papers published at National and International level : 288 (List attached)

19. RESEARCH GUIDE: Yes



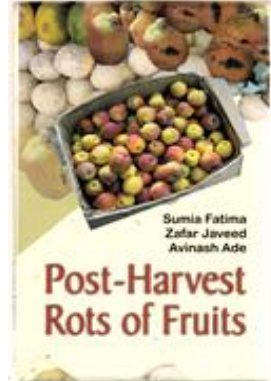
Affiliated by Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

20. RESEARCH PROJECT CARRIED OUT:

SN	PROJECT TITLE	FUNDING AGENCY
1.	Studies on post –Harvest Diseases of certain Fruits	U.G.C Pune No.F.47-321/2001 (WRO), 30 th Dec. 2001

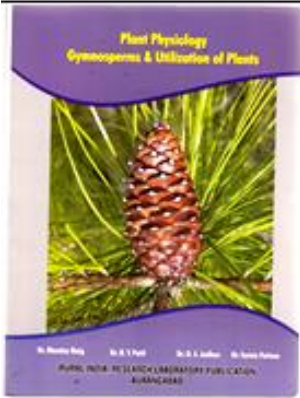


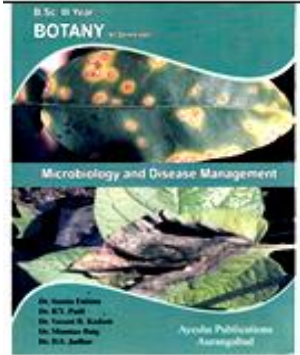
2.	Bio –efficacy of some Essential oil against the fungi causing deterioration of stored Pulses	U.G.C. Pune No.F.47-1186/09 (WRO), 26 th Oct. 2009.
3.	Studies on management of market diseases of certain vegetables”	U.G.C. Pune No.F.47-607/08 (WRO), 2009-10.


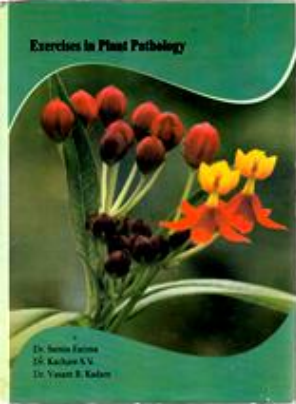
21. BOOKS PUBLISHED:

S. N.	TITLE OF BOOK	BOOKS PUBLISHED	YEAR
1.	<p>Advances in Biotechnological Research (Editors : D. R. More & M.M.V.Baig)</p> <p>Co-Author : Sumia Fatima</p> <p>Number of pages: 116 Published on:14-11-2002</p>		2002
2.	<p>Current Perspectives in Plant & Fungal Biotechnology (Editors : D. R. More & M.M.V.Baig)</p> <p>Co-Author : Sumia Fatima</p> <p>Number of pages: 244 Published on:14-11-2002</p>		2002
3.	<p>Post-Harvest rots of fruits</p> <p>Book Details: ISBN 13: 9788183561778 ISBN 10: 8183561772</p> <p>Number of pages: 90 Published on: 7-07-2006 Publisher : Discovery</p>		2006

	Publication Delhi		
4.	Symptomatology of diseases of fruits Book Details: Number of pages: 100 Published on: 22-07-2006		2006
5.	Cell Biology and Genetics Book Details: Number of pages: 55 Published on: 22-06-2007		2007
6.	Crop Diseases (Editors :L.V. Gangawne and V.C. Khillare) Co-Author : Sumia Fatima Book Details: Indian ISBN: 9788170355397 International ISBN: 9788170359920 E-BOOK ISBN: 9789383048793 Number of pages: 244 Published on:10-07-2008		2008
7.	Practical of flowering Plants Book Details: Number of pages: 61 Published on: 25-02-2009		2009

8.	<p>Pikanche rog</p> <p>Editors : L.V. Gangawne and V.C Khillare);</p> <p>Co-Author: Sumia Fatima</p> <p>Book Details: Number of pages: 92 Published on: 14-08-2009</p>		2009
9.	<p>An Introduction to Botany</p> <p>Diversity of cryptogams-II</p> <p>Book Details: Number of pages: 148 Published on: 27-05-2010</p>		2010
10.	<p>Fundamentals of Botany</p> <p>(Diversity of cryptogams-I)</p> <p>Edition: I</p> <p>Book Details: Number of pages: 144 Published on: 25-05-2010</p>		2010
11.	<p>Taxonomy of Angiosperms and Plant Ecology</p> <p>Edition-I</p> <p>Book Details: Number of pages: 112 Published on: 25-12-2010</p>		2010

12.	Gymnosperms Utilization of Plant and Plant Physiology Book Details: Number of pages: 139 Published on: 12-07-2011		2011
13.	Hand Book of Practical Botany Book Details: Number of pages: 104 Published on: 16-05-2011		2011
14.	Practicals in microbiology and Plant disease management Book Details: Number of pages: 94 Published on: 30-08-2011		2011
15.	Microbiology & Disease Management Volume-I Book Details: Number of pages: 100 Published on: 30-09-2011		2011

<p>16.</p>	<p>Practical Botany for Degree Students</p> <p>Book Details: ISBN-13: 978-3-659-28724-4 ISBN-10: 3659287245 EAN: 9783659287244</p> <p>Number of pages: 220 Published on: October 26, 2012</p>	 <p>Practical Botany for Degree Students Practical botany</p> <p>LAMBERT</p>	<p>2012</p>
<p>17.</p>	<p>Exercises in plant pathology</p> <p>Book Details:</p> <p>Number of pages: 100 Published on: 30-05-2012</p>	 <p>Exercises in Plant Pathology</p> <p>Dr. Bhanu Prasad Dr. Kishore K.V. Dr. Vasant B. Kulkarni</p>	<p>2012</p>
<p>18.</p>	<p>Plant diseases and management</p> <p>Volume-II</p> <p>Book Details: Number of pages: 100 Published on: 30-04-2011</p>	<p>Plant diseases and management Volume-II</p> <p>Image not available</p> <p>***** ***** ***** ***** ***** ***** ***** ***** ***** *****</p>	<p>2011</p>

19.	<p>Plant Pathology</p> <p>Book Details:</p> <p>ISBN-13: 97-881-9204-3-104</p> <p>Number of pages: 132</p> <p>Published on: 15-09-2012</p>		2012
20.	<p>In-vitro Phytopathology</p> <p>Book Details:</p> <p>ISBN-13: 978-3-659-34553-1</p> <p>ISBN-10: 3659345539</p> <p>EAN: 9783659345531</p> <p>Number of pages: 356</p> <p>Published on: 12-02- 2013</p>		2013
21.	<p>Fundamentals of Botany</p> <p>Diversity of cryptogams-II</p> <p>Edition:II</p> <p>Book Details:</p> <p>ISBN-13: 9789382202110</p> <p>ISBN-10: 93-82202-110</p> <p>Number of pages: 188</p> <p>Published on: 19- July-2013</p>		2013
22.	<p>Embryology of family Papaveraceae</p> <p>Book Details:</p> <p>ISBN-13: 978-3-659-41544-9</p> <p>ISBN-10: 3659415448</p> <p>EAN: 9783659415449</p> <p>Number of pages: 72</p> <p>Published on: 21-06-2013</p>		2013

23.	<p>Fundamentals of Botany (Diversity of cryptogams-I) Edition:II Book Details: ISBN-13: 9789382202103 ISBN-10: 93-82202-103 Number of pages: 140 Published on: 2013</p>		2013
24.	<p>Indigenous Arboreal Flora Book Details: ISBN-13: 978-3659511912 ISBN-10: 365940277X EAN: 978-3659402777 Number of pages: 316 Published on: 19 -09-2013</p>		2013
25.	<p>Families of Angiosperms, Volume-I Book Details: ISBN-13: 978-3659511912 ISBN-10: 3659511919 EAN: 9783659530432 Number of pages: 252 Published on: 12-01-2014</p>		2014
26.	<p>Experiments of Cytogenetics Book Details: ISBN-13: 978-3-659-53043-2 ISBN-10: 3659530433 EAN: 9783659530432 Number of pages: 176 Published 22-04-2014</p>		2014

27.	<p>Families of Angiosperms (Gamopetalae, Apetalae and Monocotyledons)</p> <p>Book Details:</p> <p>ISBN-13: 978-3-659-56409-3</p> <p>ISBN-10: 3659564095</p> <p>EAN: 9783659564093</p> <p>Number of pages: 264</p> <p>Published on: 2-07-2014</p>	 <p>Families of Angiosperms VOLUME II GAMOPETALAE, APETALAE & MONOCOTYLEDONS</p>	2014
28.	<p>Symptomatology of Infected Fruits</p> <p>Details:</p> <p>ISBN-13: 978-3-659-54544-3</p> <p>ISBN-10: 3659545449</p> <p>EAN: 9783659545443</p> <p>Number of pages: 168</p> <p>Published 16-06-2014</p>	 <p>Symptomatology of Infected Fruits</p>	2014
29.	<p>Diseases of Crop Plants</p> <p>Book Details:</p> <p>ISBN-13: 978-3-659-57444-3</p> <p>ISBN-10: 3659574449</p> <p>EAN: 9783659574443</p> <p>Number of pages: 352</p> <p>Published on: 21-07-2014</p>	 <p>Diseases of Crop Plants</p>	2014
30.	<p>Taxonomy of angiosperms and ecology</p> <p>Book Details:</p> <p>ISBN-13: 97-893-8220-2-301</p> <p>ISBN-10: 9382202301</p> <p>Number of pages: 145</p> <p>Published on: 15-08-2014</p>	 <p>BOTANY</p> <p>• Taxonomy of Angiosperms • • Plant Ecology •</p>	2014

31.	<p>Gymnosperms, Utilization of Plant and Plant Physiology</p> <p>Edition-II</p> <p>Book Details:</p> <p>Number of pages: 188</p> <p>Published on: 14-02-2015</p>		2015
32.	<p>Plant Disease Management</p> <p>Book Details:</p> <p>ISBN-13: 978-3-659-68326-8</p> <p>ISBN-10: 3659683264</p> <p>EAN: 9783659683268</p> <p>Number of pages: 244</p> <p>Published on: 13-02-2015</p>	 <p>Sumai Fatima Musakhi Mahajan</p> <p>Plant Disease Management</p> <p>LAMBERT Publishing Academic</p>	2015
33.	<p>Botany (B.Sc.Ist Year)</p> <p>Book Details:</p> <p>ISBN-: 978-93-82202-29-5</p> <p>Number of pages: 144</p> <p>Published on: 10-08-2015</p>	 <p>B.Sc 1st Year</p> <p>Practical BOTANY</p> <p>Dr. D.S. Jadhav Dr. Mumtaz Baig Dr. Sumai Zafar</p>	2015
34.	<p>Microbiology and Disease Management</p> <p>Book Details:</p> <p>ISBN-13: 978-93-85426-25-4</p> <p>Number of pages: 98</p> <p>Published on: 2015</p> <p>Publisher : Shivani Publication , PUNE</p>	 <p>Volume II</p> <p>Microbiology and Disease Management</p> <p>B.Sc. III Year (Theory) Semester -VI Paper K88 (C)</p> <p>Dr. Sumai Fatima Dr. Baig Mumtaz</p> <p>♦ Publisher ♦ Vijay Talwar Shivani Prakashan Mumbai, Hyderabad, Pune</p>	2015

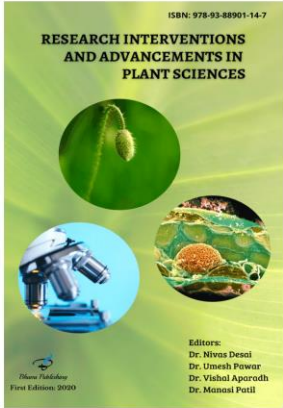
35.	<p>Symptoms of Plant Diseases</p> <p>Details:</p> <p>ISBN-13: 978-93-5056-781-4</p> <p>ISBN-10: 93-50567814</p> <p>Number of pages: 137</p> <p>Published on: 1-01-2016</p> <p>Publisher : Discovery Publication New Delhi</p>		2016
36.	<p>Diseases of Medicinal Plants</p> <p>Book Details:</p> <p>ISBN-13: 978-9350568071</p> <p>ISBN-10: 9350568071</p> <p>Number of pages: 182</p> <p>Published on: 15-01-2016</p> <p>Publisher : Discovery Publication New DELHI</p>		2016
37.	<p>The Plant Leaf</p> <p>Book Details:</p> <p>ISBN: 978-93-85246-27-8</p> <p>Number of pages: 124</p> <p>Published on: 20-01-2017</p> <p>Publisher : Shivani Publication,., Pune.</p>		2017
38.	<p>Plant Root and Stem</p> <p>Book Details:</p> <p>ISBN: 978-93-85426-26-1</p> <p>Number of pages: 120</p> <p>Published on: 22/01/2017</p> <p>Publisher : Shivani Publication, Pune</p>		2017

39.	<p>Advances in Life Science and Human Welfare Chief Editor and Co-Author Book Details: ISBN: 978-93-85426-28-5 Number of pages: 173 Published on: 18-02-2017 Publisher : Shivani Publication, Pune</p>		2017
40.	<p>The Flower Book Details: ISBN-13: 978-3-330-07365-4 ISBN-10: 3330073659 EAN: 9783330073654 Number of pages: 73 Published on: 14-04-2017</p>		2017
41.	<p>Aquatic ThallopHYta Book Details: ISBN-13: 978-3-330-07379-1 ISBN-10: 33300737 99 EAN: 9783330073791 Number of pages: 133 Published on: 14-04-2017</p>		2017
42.	<p>Plant Morphology Book Details: ISBN-13: 978-93 5056-892-7 Number of pages: 240 Published on: 15-01-2018 Publisher : Discovery Publication New Delhi</p>		2018

43.	<p>Objectives of Plant Pathology</p> <p>Book Details: ISBN-13: 978-9384-84-1827 ISBN-10: 93-86841-82-7</p> <p>Number of pages: 332 Published on: 15-01-2019 Publisher : Discovery Publication New Delhi.</p>		2019
44.	<p>Plant Pathology Edition-VI</p> <p>Book Details: ISBN-13: 978-9-382-20277-6 ISBN-10: 93-82202-776</p> <p>Number of pages: 132 Published on: 20-08-2018 Publisher : Anand Prakashan, Aurangabad</p>		August 2018
45.	<p>Market diseases of fruits</p> <p>Book Details: ISBN-13: 978-6-200-41700-6</p> <p>ISBN-10: 6200437009 EAN: 9786200437006</p> <p>Pages: 312 Published on: 08-10-2019</p>		2019

46.	World Ecology and Ecosystem Book Details: ISBN-13: 978-6-200-47300-4 ISBN-10: Number of pages: 205 Published on: 2019		2019
47.	“Innovation in life sciences for sustainable development” Co-Author Book Details: ISBN: 978-93-85426-49-0 Number of pages: 173 Publisher: Shivani Publication, Pune		2019 Author: Sumia Fatima Subject: Botany
48.	Fungal Politics on Medicinal Plants Book Details: ISBN-13: 978-620-2-51985-4 ISBN-10: 6202519851 EAN: 9786202519854 Number of pages: 312 Published on: 31-03-2020		2020 LAP Germany
49.	Dissected flowers of Plant families Part-I Book Details: ISBN-13: 978-620-2-52948-8 ISBN-10: 6202529482 EAN: 9786202529488 Number of pages: Published 23-03-2020		2020 LAP Germany

50.	Fruit juices as Medicine Book Details: ISBN-13: 978-620-2-53163-4 ISBN-10: 6202531630 EAN: 9786202531634 Number of pages: Date of Pub. 23-03-2020		2020
51.	Fundamental units of plant features Book Details: ISBN-13: 978-6202530781 ISBN-10: 6202530782 EAN: Number of pages: 356 Published on: 6/5/2020		2020 LAP Germany
52.	101 Flowers Book Details: ISBN-13: 978-620-2-66813-2 ISBN-10: 620266813X EAN: 9786202668132 Number of pages: 56 Published on: 6/ 09/ 2020		2020 Germany
53.	Dissected flowers of Plant families Part-II Book Details: ISBN-13: 978-6202525787 ISBN-10: 6202525789 EAN: Number of pages: 110 Published on: LAP Germany		29/ 05/ 2020

54.	<p>“Phytomorphology, Taxonomy and Anatomy-MCQs”</p> <p>Book Details:</p> <p>ISBN-13: 978-9388854658</p> <p>ISBN-10: 9388854659</p> <p>Number of pages:315</p> <p>Published on:</p> <p>4/ 01/ 2021</p>		<p>2020</p> <p>DISCOVERY PUBLICATION DELHI</p>
55.	<p>Book title:</p> <p>Research Innovations and advancements in Plant Sciences</p> <p>(Chapter in Book)</p> <p>ISBN: 978-93-88901-14-7</p>		<p>2022</p> <p>Bhumi Publishing, Kolhapur</p>
56.	<p>Book title:</p> <p>“Environment and unsuitable human life”</p> <p>Volume-IX,</p> <p>(</p> <p>ISBN: 978-93-91308-37-7</p>	<p>Chapter in Book)</p>	<p>2022</p> <p>Publisher: V. Media Solutions</p>

57.	<p>“Global Warming and Planet” (Editor)</p> <p>Book Details: ISBN-13: 9789388854931</p> <p>Number of pages:315</p> <p>Published on: 14/ 04/ 2022</p>		<p>2022 DISCOVERY PUBLICATION DELHI</p>
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22. RESEARCH PAPERS PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS

YEAR: 1988

- 1. Gangawane L .V: and **Sumia Fatima** (1988). Studies on Metalaxyl resistance in *Phytophthora drechsleri f.sp. cajani*, India Phytopath, 41(2):299.

YEAR: 1991

- 2. **Sumia Fatima** and L.V. Gangawane (1991).Synergistic effect of agrochemicals on Metalaxyl resistance in *Phytophthora* blight of pigeon pea,Int. Plt. Path. Newsletter, 17:39-40.

YEAR: 1999

- 3. **Sumia Fatima**, L.V.Gangawane, (1999). Sensitivity of *Phytophthora drechsleri f.sp.cajani* causing pigeon pea blight against certain fungicides. Dr. |Babasaheb Ambedkar Marathwada university journal of science 29 (6):11-14.

YEAR: 2001

- 4. **Sumia Fatima** & Meenakshi Mahajan (2001), Atmospheric concentration of *Cercospora* causing Tikka disease over groundnut fields. Proc: International Conference of SAARC countries on Biotechnology in Agriculture, industry and Environment, Y.C. college of science, Karad: pp.67-78.
-
- Sumia Fatima**; Gangawane L.V.(2001). Survival of Metalaxyl resistant *Phytophthora drechsleri f. sp. cajani*, causing blight of pigeon pea, proceeding, V. N. Nike College Nat. Conf. on Plant Biotechnology foe Indian Agriculture, 7 and 8 th October, 2001.

YEAR: 2002

- **5. Sumia Fatima;** Gangawane L.V. and M.C. Mahajan (2002). Effect of carbohydrates on the growth of Metalaxyl sensitive and resistant strain of *Phytophthora drechsleri*, f. sp. *cajani*. In: Current perspectives in plant and fungal biotechnology. (Dr. R. More & M.M.V Baig Eds.) L.B. Shastri College, Dharmabad publ. pp. 101-104.
- **6. Sumia Fatima** V.S. Pradhan & M.C. Mahajan (2002). Diseases of medicinal plants' an important aspect of plant health, In: Current Pers. in Plant and Fungal Biot. (Dr. R. More & M.M.V. Baig Eds.) L.B. Shastri College, Dharmabad publ. pp. 133-136.
- **7. Minaxi Mahajan & Sumia Fatima** (2002). Variation in the airborne pollens spectra over field at Faizpur in: Current Perspectives in Plant and Fungal Biotechnology. (Dr. R. More & M.M.V Baig Eds.) L.B. Shastri College, Dharmabad publ. pp. 115-120.
- **8. Sumia Fatima & Minaxi Mahajan** (2002). Incidence of insect part in the airspora of two seasons over groundnut field at Faizpur in: Current perspectives in plant and fungal biotechnology. (Dr. R. More & M.M.V Baig Eds.) L.B. Shastri College, Dharmabad publ. pp. 89-92.
- **9. Meenakshi Mahajan & Sumia Fatima** (2002). Diurnal and seasonal periodicity of spores of *Helminthosporium* over groundnut field at Faizpur in: Current Perspectives in Plant and Fungal Biotechnology. (Dr. R. More & M.M.V Baig Eds.) L.B. Shastri College, Dharmabad publ. pp. 147.
- **10. Minaxi Mahajan & Sumia Fatima** (2002), A culture plate study of an aerobiopollutents over groundnut field at Faizpur. Proc: Nat. Conf. on Environment: Ergonomics and Epistemology, pp. 97.
- **11. Minakxi Mahajan & Sumia Fatima, (2002).** Aero-biopollutents in indoor atmosphere. Proc: Nat. Conf. on Environment: Ergonomic and Epistemology, pp: 64-65.
- **12. Sumia Fatima & M.C. s Mahajan, (2002).** Biochemical studies of post-harvest rot of pineapple (*Ananas cosmosus*) by *Fusarium solani* in: current perspectives in plant and fungal biotechnology. (Dr. R. More & M.M.V Baig Eds.) L.B. Shastri College, Dharmabad publ. pp. 79-81.

YEAR: 2003

- Meenakshi Mahajan and **Sumia Fatima, (2003).** Effect of Na Cl salinity on seed germination and early seedling growth in two cultivars of soya been, GEOBIOS, 31: 71-72,

YEAR: 2004

- **13. Sumia Fatima, V.S. Pradhan, Zafar Javeed and A. M. Bhosle, (2004).** Physico-chemical alteration due to post-harvest diseases of amla. In: advances in

biotechnological research (D. R. More and M.M.V. Baig Eds.) L.B. Shastri college, Dharmabad, publ.pp.65-66.

- **14. Sumia Fatima & L.V.Gangawane, (2004).** Integrated management of *Phytophthora drechsleri* f.sp.*cajani* causing blight of pigeon pea. Proc. Nat. Symp. on Ecofriendly approaches for plant diseases management, Chennai,p. 66.
- **15. Sumia Fatima V.S. Pradhan, Zafar Javeed and A. M. Bhopal, (2004).** Pathological studies of post-harvest rot of mango caused by *Aspergillus niger*. In: Advance in Biotechnological research.(Dr. R. More &M.M.V Baig Eds.) L.B.Shastri College, Dharmabad Publ.95-97.

YEAR: 2005

- **16. Sumia Fatima & L.V.Gangawane, (2005),** Utilization of different nitrogen sources by Metalaxyl sensitive and resistant of *Phytophthora drechsleri* f.sp.*cajani*. Bioinfolet 2(3): 211-213.

YEAR: 2006

- **17. Milind Jadhav, Sumia Fatima, Khobragade Kshma and Chitra Jain, (2006).** A preliminary investigation on microflora of rain water at Aurangabad, Bioinfolet, 3(4):328-329, 2006.
- **18. Sumia Fatima and Milind Jadhav and L.V Gangawane, (2006).** Management of resistant strains of *Phytophthora drechsleri* f.sp.*cajani* causing blight of pigeon pea. Bioinfolet 3(3):206.
- **19. Sumia Fatima and M.J. Jadhav, (2006).** Studies on brown root of Guava: isolation, Pathogenecity and control, Bioinfolet, 3(1)24.
- **20. Sumia Fatima and M.J Jadhav and L.V. Gangawane, (2006).**Management of Metalaxyl resistant strains of *Phytophthora drechsleri* f.sp.*cajani* causing blight of pigeon pea, Bioinfolet 3(3):pp-206.

YEAR: 2009

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STUDIES ON MANAGEMENT OF *ASPERGILLUS* ROT OF AMLA

SUMIA FATIMA¹, V. B. KADAM² and MUMTAZ BAIG³

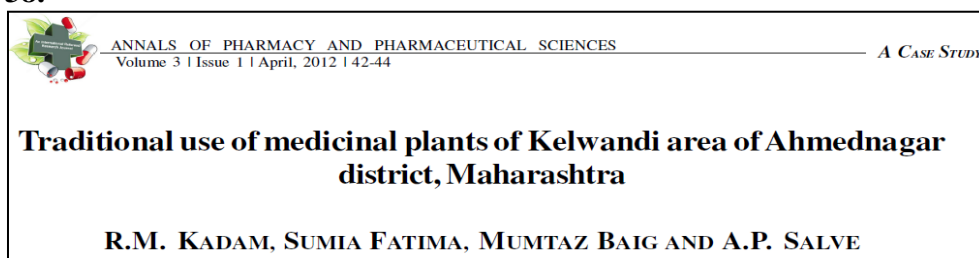
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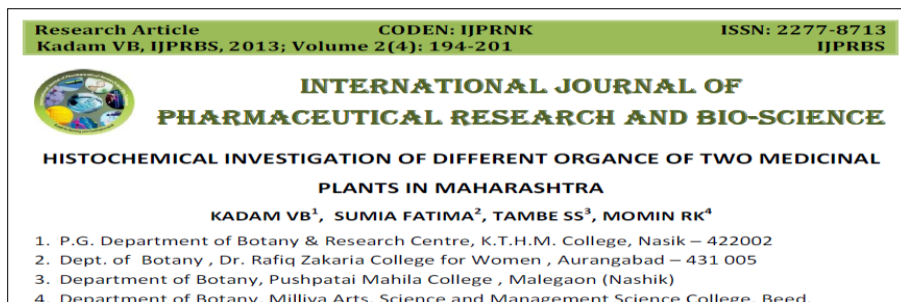


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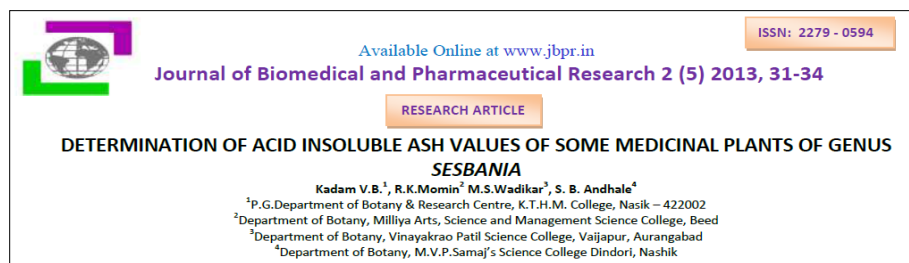
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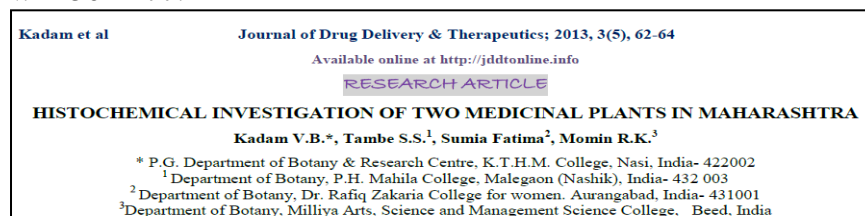


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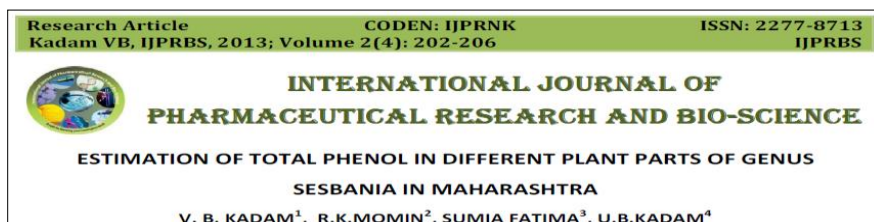


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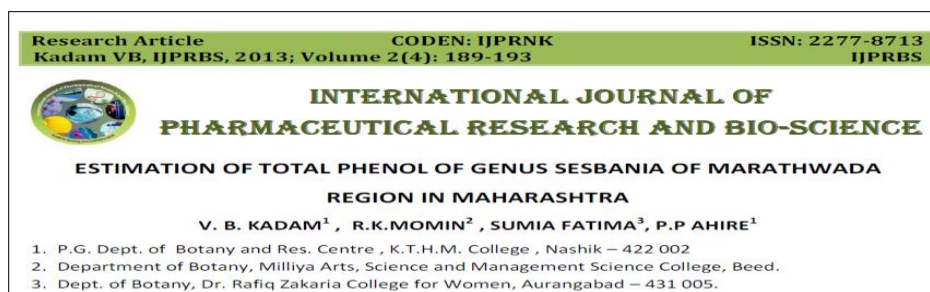
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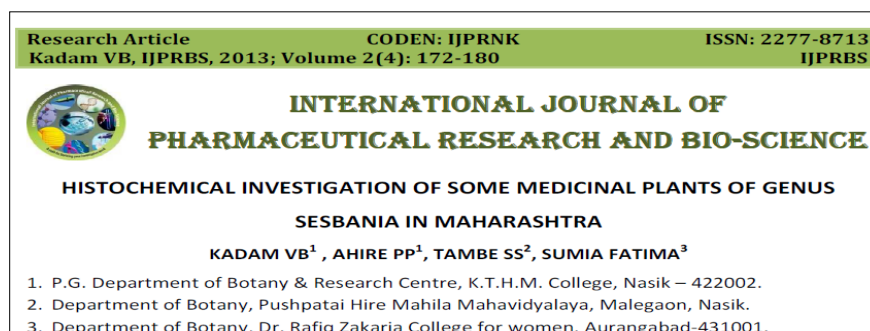
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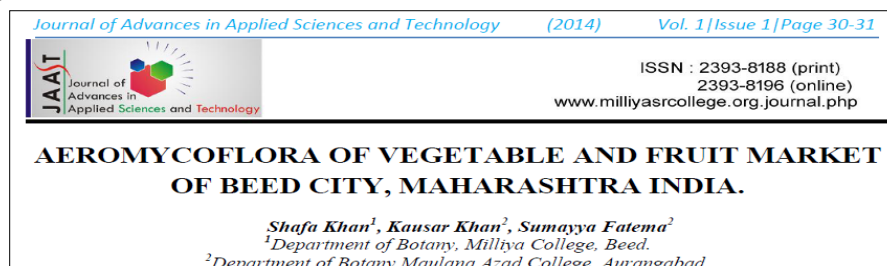


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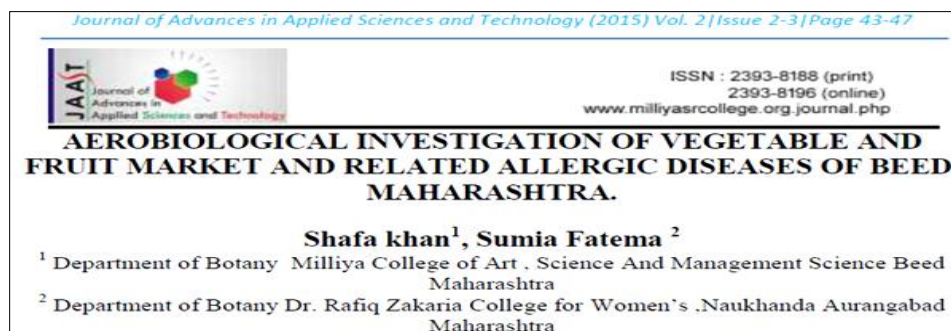
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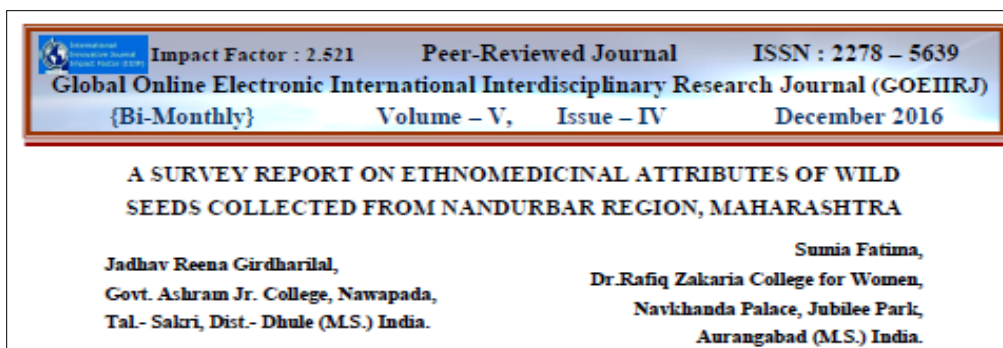
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<p>UTILIZATION OF ANTAGONIST AGAINST SEED BORNE FUNGI</p> <p>*Mumtaz Baig; *Sumia Fatima; Kadam V.B. and Yasmeen Shaikh *Pesticides and Plant Protection Research Laboratory, <u>Dr. Rafiq Zakaria College for Women, Aurangabad-431001, India.</u> Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431001, India</p>	

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<p>Pathogenic and Non-Pathogenic Fungal Flora Over Sorghum Field at Aurangabad</p> <p>Baig Mumtaz And Sumia Fatima Dr.Rafiq Zakaria College for Women, Aurangabad.(M.H)</p>		

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- **118. Sumia Fatima** and Jadhav Reena Girdharilal, (2017). An Ethnobotanical survey of medicinal plants used by the Gorbanjara tribal community inhabited in Aurangabad district Maharashtra, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-7, PP. 1-7, ISSN : 2395-6968. Impact factor: 3.653.
- **119. Sonawane B. N., Sumia Fatima**, (2017). Post harvest mycoflora of Garlic Dr.RZCW, A' bad 978-93-85426-28-5.pp-146.
- **120. Meenakshi Mahajan and Sumia Fatima** (2017). Frequency, abundance and density of plant species by list count quadrat method International journal of Multidisciplinary Research, EPITOM, PP.21-28, ISSN : 2395-6968.Impact factor-3.656.
- **121. Shafa Khan and Sumia Fatima**, (2017). Investigation of Aeromicroflora of vegetable and fruit market by petriplate exposure method, Vol. VI, Issue-I, An International Multidisciplinary Half yearly Research Journal, ISSN: 2278-8158.pp. 48-52. Impact factor-4.42.
- **122. Arsule C. S., Sonawane, B. N. & Sumia Fatima** (2017) . Ethnobotanical wild plant Species of Prawara Basin from Ahmadnagar district, Maharashtra, Scientific Journal International, Doi: 10.105373/1936-6264.18., ISSN: 1936-6264.
- **123. Sumia Fatima & Yogesh Khot**, (2017). Isolation of post harvest fungi of mango (*Mangifera indica*) fruits. International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
- **124. Sumia Fatima & Jadhav Reena Girdharilal**, (2017). Ethnobotanical uses of *Madhuca indica* in Thanepada area of Nandurbar District, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
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- **126. Sumia Fatima** (2017). Study of a survey report of different forms of plants on the basis of habit and habitat, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, ISBN: 2395-6968.Impact factor-3.656.
- **127 . Sumia Fatima** (2017). Study of different shapes of leaf of indigenous plants of Marathwada, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-II, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
- **128 . Meenakshi Mahajan and Sumia Fatima** (2017). Water conservation in scared grooves, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-7, ISSN : 2395-6968.Impact factor-3.656.

- **130.** Arsule, C. S. Sonawane, B. N. and **Sumia Fatima**, (2017). Int. J. of Recent Scientific Research, (USA), Vol. 8, Issue: 8, pp. 18951-3, ISSN: 0976-3031.
- **131.** Shafa Khan & **Sumia Fatima** (2017). Analysis of Aeromicroflora inside hospitals at Beed M. S. India, Advances in Life Science and Human Welfare-2017, ISBN: 978-93-85426-28-5. PP.24-26.
- **132.** Shafa Khan & **Sumia Fatima** (2017). Studies on Leaf spot diseases of Medicinal plants at Toranmal Area of Nandurbar District, Advances in Life Science and Human Welfare-2017, ISBN: 978-93-85426-28-5. PP.151-154.
- **133.** Borude Devika, **Sumia Fatima** and Sonawane B. N. (2017). Efficacy of integrated management of garlic (*Allium sativum* L.) Diseases using plant extract combination with Bordeaux mixture, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-7, ISSN : 2395-6968. Impact factor-3.656.

Year: 2018

- **137.** **Sumia Fatima** and Mumtaz Baig, (2018). Assessment of post harvest mycoflora from stored mango fruits, International Journal of Universal print, Vol. 4, Issue-3, ISSN: 2454-7263.
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- **139.**

	<p>International Journal of Universal Print ISSN: 2454-7263 ID: ACTRA 2018 049 Published Mar. 2018 Volume No. 04, Issue No.05, Copyright © Universal Print Web: www.universalprint.org , Email: ijup@universalprint.org Title Key: Role of Aeromycoflora in Book ...</p>
<p align="center">Role of Aeromycoflora in Book Deterioration of the College Library Baig Mumtaz And Sumia Fatima Dr.Rafiq Zakaria College for Women, Aurangabad.(M.H) mumtazfarhan.mirza@gmail.com.9766129411</p>	

- **140.** **Sumia Fatima** (2018). Study of different types of plant root according to their function: A review, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, ISSN : 2395-6968. Impact factor-3.656.
- **141.** **Sumia Fatima** & Syed Zafar Javeed (2018). An album of taxonomic description of habit and habitat of plants-2018, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, PP. 46-54, ISSN : 2395-6968. Impact factor-3.656.

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- **143. Sumia Fatima & Syed Zafar Javeed (2018).** An album: Scientific terminology of plant leaf base, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
- **144. Sumia Fatima & Syed Zafar Javeed (2018).** Study of scientific description of plant leaf base, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-V, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
- **145. Sumia Fatima & Faruk Shaikh, (2018).** Screening of mycoflora associated with market diseases of banana, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-VII, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
- **146. Sumia Fatima & Syed Zafar Javeed (2018).** A photographic representation of scientific terminology of flowering shoot of plants, International journal of Multidisciplinary Research, EPITOM, Vol.III. Issue-VII, PP. 46-54, ISSN : 2395-6968.Impact factor-3.656.
- **147. Faruk Shaikh, Sumia Fatima, and S.B. Chavan (2018).** In vitro effect of Nitrogen Sources on growth of *Alternaria solani* and *Rhizoctonia solani*. Causing diseases of tomato, International J. of Appl. Res. 2018; 4(11): 125-128.

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- **148. Sumia Fatima, (2019).** Study of Post harvest mycoflora associated with diseases of sweet orange, Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-18-20.
- **149. Sumia Fatima and Jadhav Reena Girdharilal, (2019).** Keynote on safety with the help of Ethnobotanical plants against snakebite, Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-25-27.
- **150. Sumia Fatima and Uzma Quadri, (2019).** The effect of medicinal plant extracts against guava wilt pathogen, Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-50-54.
- **151. Sumia Fatima and Uzma Quadri, (2019).** A brief analysis for fungal pathogen *Sclerotium rolfsii* diseases in Maharashtra, Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-71-73.

- **152. Sumia Fatima** and Jadhav Reena Girdharilal, **(2019)**. Survey report on study of ethno medicinal uses of *Butea monosperma* plant by Gorbanjara community of Marathwada region, Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-86-87.
- **153. Sumia Fatima**, Shafa Khan and Shaikh Faruk Karim, **(2019)**. To study the effect of different temperature level on dry weight of *Fusarium oxysporum*, *Rhizoctonia solani* and *Alternaria solani*, Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-98-99.
- **154. Lokre, P. D. and Sumia Fatima**, **(2019)**. Studies on pollen biology of *Jatropha integerrima* Jacq. And *Calliandra calothyrsus* Meisn. Multidisciplinary International Research Journal, UGC Approved. Special issue-120, ISSN: 2348-7143; Impact Factor-6.261. Pp-137-141.
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- **155. Sumia Fatima (2019)**. Study of incidence of two major post harvest diseases of strawberry (*Fragaria indica* L.) in Marathwada, World J. of Pharma. Research, Volume-8, Issur-12, 757-761, ISSN: 2277-7105.DOI: 10.20959. Impact factor-8.084.
- **156. Sumia Fatima (2019)**. Symptoms as an identification key of post harvest diseases of apple (*Malus domestica*), World J. of Pharma. Research, Volume-8, Issur-12, 762-770, ISSN: 2277-7105.DOI: 10.20959. Impact factor-8.084.
- **157. Sumia Fatima (2019)**. Impact of environmental factors on growth and sporulation of fungi causing market diseases of fruits and vegetables, International Journal of Research in Pharmacy and Life Sciences, IJRPLS, 2019, 7 (1): 25-27. ISSN-2321-5038 CODON (USA): IJPRL.
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- **160. Sumia Fatima & P.D.Lokare, (2019).** Antifungal Activity of Medicinal Plants *Cymbopogon sprengi* L., *Mentha spicata* L., and *Murraya koenigii* L. against Growth of Fungi *Aspergillus niger* and *Mucor spp.*” International Journal of Pharmacy and Natural Medicines, IJPNRS, 2019, 6(2): 68-72, CODON (USA): IJPNRC, ISSN-2321-6743.
- **161. Borude Devika & Sumia Fatima (2019).** Allelopathic effect of plant extract of *Annona squamosa*, *Momordica charantia* and *Argemone mexicana* on post harvest fungi of *Pisum sativum* L. International Journal of Recent Scientific Research, Vol. 10, Issue- 11 (G). pp. 36205-36207, November-2019. DOI: 10.24327/IJRSR. ISSN: 0976-3031.
- **162. Sumia Fatima · Shafa khan & Kamble R.A · (2019)** To study the effect of different humidity level on dry weight of *Fusarium oxysporum*, *Rhizoctonia solani* and *Alternaria solani* IJRTI 181069, Impact factor-4.87, UGC Approved, ISSN-2456-3315.
- **163. Sumia Fatima and P. D. Lokre, (2019)** Quantitative analysis of Pollen grains through honey samples collected from the different villages of Rahuri, Tahsil, Journal of Drug Delivery and Therapeutics, 9(4-s): 1107-1110. JDDT.
- **164. Sumia Fatima, Shafa khan and Kamble R.A, (2020).** To study the effect of different humidity level on dry weight of *Fusarium oxysporum*, *Rhizoctonia solani* and *Alternaria solani* 2020 IJRTI | Volume 5, Issue 1 | ISSN: 2456-3315.pp. 81-83.
- **165. Sumia Fatima and Minakshi Mahajan, (2020).** Morphometric study of Genus *Hibiscus* from family Malvaceae, 2020 IJRTI | Volume 5, Issue 1 | ISSN: 2456-3315, pp. 84-89.
- **166. Priya Lokre & Sumia Fatima (2020).** Preliminary survey on diseases of Mango (*Mangifera indica*) under nursery conditions 2020-21, FLORA AND FAUNA, 2020 26 No. 1, PP 88-92 ISSN 2456 - 9364 (Online).
- **167. Sumia Fatima & Priya Lokre (2020).** An investigation of Phyllosphere mycoflora of *Phyllanthus amarus*, 2020-21, FLORA AND FAUNA, 2020 Vol. 26 , No. 1, PP . 243-246. ISSN 2456 -9364 (Online).

2020-21

- **Priya Lokre & Sumia Fatima (2021).** A review on the management practices of *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc. Causes anthracnose disease of mango. International Journal of Botany Studies www.botanyjournals.com , Published: 21-09-2021,, Vol. 6, Issue-5, page 742-746, ISSN: 2455-541X IF: RJIF 8.

- Priya Lokre & **Sumia Fatima (2021)**. A review on the management practices of *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc. Causes anthracnose disease of mango, *International Journal of Botany Studies*, 6 (5):742-746. ISSN: 2455-541X, RJIF: 5.12
- Priya Lokre & **Sumia Fatima (2021)**. Effect of different solid media on the growth of *Colletotrichum gloeosporioides* (PENZ.) PENZ. & SACC. Causing anthracnose disease of mango (*Mangifera indica* L.), *International Journal of Botany Studies*, 6 (3): 611-615, ISSN: 2455-541X, RJIF: 5.12
- Priya Lokre, P. Jagdale & **Sumia Fatima (2021)**. Bio efficacy of plants extract against the growth of *Colletotrichum gloeosporioides* (Penz.) penz. and sacc. one of the major plant pathogens causing anthracnose disease of plants, 2021 *International Journal of Botany Studies*, 6 (6):741-744. ISSN: 2455-541X, RJIF: 5.12
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23. Academic Staff College Orientation / Refresher Courses attended:



SN	Course	Place & Duration	Agency
1	Orientation	02.11.1998 to 30.11.1998. Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Sponsored by UGC
2	Refresher	03/06/2000 to 30/06 /2000. Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Sponsored by UGC
3	Refresher	05/06/2002 to 26/06 /2002. Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Sponsored by UGC
4	Professional Development programme (Professor & Associate Professor)	19/11/2012 to 24/11/2012. Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Sponsored by UGC




24. IMPROVEMENT OF PROFESSIONAL COMPETENCE:

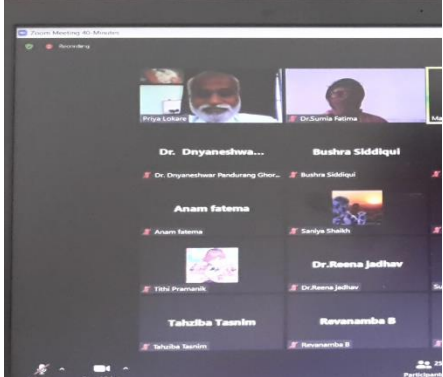
1. Joined work shop or Plant Identification organized by Department of Botany; Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 29th – 30th September 2006.
2. Completed training of Government of India regarding Food adulteration testing methods at **AGMARK** laboratory Malad East Mumbai in 1993.

3. "One day Work shop on Plant Tissue Culture Techniques" held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 27 th February-2015.
4. Workshop on hands on Training in plant tissue culture Technology , held at Government college , Aurangabad on 17 th December, 2016

25. ACADEMIC ORGANIZATION: Conference/ Workshops/ Seminar organized

S. N	Position	Title of the event	Date/place
1.	Convenor	<p>UGC sponsored- "State Level Workshop on scope and Limitations of B.Sc. II Year Botany practicals".</p> 	<p>6th Feb. 2005</p> <p>Dr. Rafiq Zakaria College for Women, Aurangabad (Aurangabad College for Women Aurangabad)</p>
2.	Convenor	<p>UGC sponsored- "National Conference on "Applied Aspects of Plant Science and Environment".</p> 	<p>19th & 20th August 2006.</p> <p>Dr. Rafiq Zakaria College for Women, Aurangabad. (Aurangabad College for Women Aurangabad)</p>
3.	Treasurer	<p>UGC sponsored- National work shop on "Water quality assessment and its role in environmental Impact Assessment (EIA), pollution monitoring, control and aquaculture" in respect to Ecology & Environmental."</p>	<p>27th & 28th Feb. 2006</p> <p>Dr. Rafiq Zakaria College for Women, Aurangabad (Aurangabad College for Women Aurangabad)</p>

4.	Member	UGC sponsored- "National Level Workshop on Women awareness Water and Environment" .	29th & 30th Oct., 2010. Dr. Rafiq Zakaria College for Women, Aurangabad (Aurangabad College for Women Aurangabad)
5.	Organizing secretary	UGC sponsored- "National level conference on <i>Recent Advances & Applications of Biotechnological Aspects of Plant Science.</i>" 	3rd & 4th December, 2010. Dr. Rafiq Zakaria College for Women, Aurangabad (Aurangabad College for Women Aurangabad)
6.	Convenor & Organizing Secretary	One Day Conference in Botany entitled "Current Trends in Plant Science" 	22nd February, 2015 Dr. Rafiq Zakaria College for Women, Aurangabad (Aurangabad College for Women Aurangabad)
7.	Convenor & Organizing secretary	National Conference in Botany entitled "Advances in life science and Human welfare " 	18th February 2017 Dr. Rafiq Zakaria College for Women, Aurangabad (Aurangabad College for Women Aurangabad)
8.	Organizing	National Seminar entitled "Research Methodology in Life Sciences "	4th February 2018

	Organizing Secretary	 <p><i>National Webinar</i> <i>“ A clue for Self Employment ”</i></p>	<p>Dr. Rafiq Zakaria College for Women, Aurangabad- 431001 DEPARTMENT OF BOTANY On 26th October, 2021</p>
	Organizing Secretary	<p><i>National Webinar</i> <i>“ Current Trends in Ecology”</i></p>	<p>Dr. Rafiq Zakaria College for Women, Aurangabad- 431001 DEPARTMENT OF BOTANY On 27th October, 2021</p>
	Organizing Secretary	<p><i>National webinar</i> <i>“ Health is Wealth”</i></p>	<p>Dr. Rafiq Zakaria College for Women, Aurangabad- 431001 DEPARTMENT OF BOTANY On 28th October, 2021</p>
	Organizing Secretary	<p><i>National webinar</i> <i>“ Emerging Trends in Ecology ”</i></p>	<p>Dr. Rafiq Zakaria College for Women, Aurangabad- 431001 DEPARTMENT OF BOTANY On 29th October, 2021</p>
	Organizing Secretary	<p><i>National Webinar</i> <i>“ Everything for Human Wel-fare”</i></p>	<p>Dr. Rafiq Zakaria College for Women, Aurangabad- 431001 DEPARTMENT OF BOTANY On 30th October, 2021</p>

26. Academic Position Held: Asso. Prof.since 2006 and Head since 1995, Professor since 2016.

27. Member of Scientific Journals

- i. Member of Psychopathological Society of India.

28. Editor and Advisory board member of Scientific Journals.

Sr. no.	Position held	Title of Journal	ISSN no.	Year
1.	Editor	“Scientific Discovery”	ISSN: 2229-3469.	2014
2.	Editor	Int. J. Multi. Res.	ISSN: 2395-6968.	2016
3.	Adv.Board Member	Int. J. of Science info. (IJSI)	ISSN: 2455-4367	2016
4.	Editor	Int. J.of Biology, Pharmacy and Allied Sciences (IJBPAS)	ISSN: 2277-4998	2016
5.	Editor	Journal of Pharmaceutical and Biological Research (JPBR)	Pharma Research Library	2016
6.	Editor	Int. J. of Series in Engineering Science (IJSES)	Ref. no. IJSES/17/EBMA/27	2017
7.	Reviver	PLOS ONE	http://pone.edmgr.com/. Nigeria	2017
8.	Editor	Journal of Advances in Applied Life Sciences and Technology	e_bareed@yahoo.co.in	2017
9.	Editor	International J. of Nutritional Sciences	ijns@austinpublishing.com New Jersey, USA	2017
10.	Editor	International Journal of recent research and review(IJRRR)	www.ijrrr.com	2017

29. CO-CURRICULAR, EXTENSION & PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES

Sr. no.	EXIBITION/ OTHER ACTIVITY	ACADEMIC YEAR	DATE
1.	Poster Presentation on fungal diseases of human beings	2012-13	16 th Oct., 2012

2.	Poster presentation on AIDS awareness programme on	2012-13	28 th Dec., 2012
3.	Exhibition of History of Plant Pathology	2013-14	9 Sept.2013
4.	Seminar of B.Sc. III rd year	2013-14	5 th Feb2014
5.	Visit to Commissioner office by B.Sc. III rd yr Student on 12 th Feb 2014.	2013-14	12 th Feb 2014
6.	Exhibition of medicinal plants of Aurangabad	2014-15	25 th , Sept 2014
7.	Exhibition of history of plant diseases	2014-15	8 th Oct.2014
8.	Exhibition of Flowering Plants of Marathwada.	2014-15	
9.	Training Programme of mushroom cultivation	2014-15	28 th Jan., 2015
10.	One day training programme on Isolation of fungi from different Seeds	2014-15	29 th Jan., 2015
11.	Exhibition of post harvest diseases of Fruits	2015-16	2 nd Sep., 2015
12.	Training of cultivation of wheat grass and demonstration of health benefits	2015-16	2 nd Feb., 2016.
13.	Exhibition of poster presentation on pesticide pollution and human health	2016-17	3 rd Jan 2017
14.	Flower pot exhibition	2016-17	23 th Jan., 2017
15.	Exhibition of photograph of Cytoplasmic organelles	2016-17	25 th Jan., 2017
15.	Photographic exhibition of flowering plants of Navkhanda Palace.	2016-17	3 Feb 2017
16.	Counseling, given guidance to XII th standard d students.	2016-17	4 th Feb 2017
17.	6. Exhibition of health benefits of fruits	2016-17	9 th Feb., 2017
18.	Best drawing competition.	2016-17	12 th Feb., 2017
19.	Seminar of B.Sc. III rd year.	2017-18	12 th Sep., 2017
20.	Quiz competition for B.Sc. III rd year.	2017-18	16 th Sep., 2017
21.	Test for excellence of cytology & molecular biology.	2017-18	5 th Oct, 2017
22.	Test for excellence of plant pathology.	2017-18	7 th Oct., 2017

23.	Exhibition of contribution of scientist in life science.	2017-18	1 st Feb., 2018
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Sr. no.	INNOVATIVE TEACHING AIDS PREPARED	ACADEMIC YEAR
1.	Transparencies of Botany	2012-13
2.	Transparencies of Biology	2012-13
3.	Prepared Album of Lower Cryptogams Algae	2013-14
4.	Prepared Album of Lower Cryptogams Fungi	2013-14
5.	Prepared Album of Virus	2013-14
6.	Prepared Album of Bacteria.	2013-14
7.	Prepared Album of Mycoplasma	2013-14
8.	Prepared Album of Lichens	2013-14
9.	Prepared Album of Gymnosperms.	2013-14
10.	Prepared album of plant diseases	2014-15
11.	Prepared album of post harvest diseases of fruits	2014-15
12.	Prepared Album of Seed Fungi	2015-16
13.	Prepared Album of Medicinal Plants	2015-16
14.	Prepared album of flowering plants of Marathwada	2016-17
15.	Prepared album of plant cell organelles	2016-17
16.	Virtual manual of plant pathology	2016-17
17.	Prepared album of scientists of life science	2017-18
18.	Prepared album of diagrammatic representation of angiospermic plants of the Marathwada region	2017-18
19.	Photographic manual of plant pathology	2017-18
20.	Photographic manual of cryptogams	2017-18
21.	Downloaded topic wise videos	2017-18

30. CURRICULUM DESIGN:

- i. Prepared syllabus of three year course in Seed Technology & Plant Pathology sponsored by U.G.C under C.O.P (Career Orientation Programme (COP) 2010-11; 2011-12 & 2012-13).
- ii. Prepared practical protocols according to U.G.C sponsored new syllabus for the students of B.Sc. I & II Year Botany especially for the students of Dr. Rafiq Zakaria College for Women, Aurangabad.

31. UNIVERSITY AFFAIRS:

Sr. no.	Work allotted	Position held	College/ Date
1.	Affiliation	Chairman	Mahila college Harsool, Aurangabad
2.	Affiliation	Chairman	Marathwada Institute of Career Education, Aurangabad. 6/02/2019

32. CO-CURRICULAR ACTIVITIES:

- Organized student's seminar for B.Sc. I, IInd & IIIrd year students.
- Arranged several Botanical Excursion at various places in Marathwada.
- Prepared practical manuals for U.G students in Botany.
- Prepared herbaria as a source of material for practical.
- Prepared Album of plant diseases for the students of Molecular Biology and plant Pathology (students of B.Sc. IIIrd year Botany).
- Prepared museum specimen of seeds of economically important Plants.
- Prepared album of medicinal plants of Marathwada region with their use.
- Prepared transparencies of Algae, fungi, angiospermic plants, Gymnosperm, Pteridophytes and Bryophytes.
- Prepared herbarium of Gymnosperms of Marathwada region.

32. EXTRA ACADEMIC ACTIVITIES:

- Working as external examiner in Botany, since 1991 to till date.
- Worked as member of paper setter for B.Sc. IIIrd year Botany.
- Appointed as joint – chief superintendent (CS) at Marathwada B. Ed. College, Aurangabad during the period of 20-3-2002 to 10-4-2004.

33. Invited as member of Subject expert during Carrier Advancement Committee (CAS) and as member of selection committee at various institutes in the region:

S.N.	NAME OF INSTITUTE	DATE
1.	Sir Sayyed College of Arts Science and Commerce, Aurangabad.	22nd July-1995
2.	Vantrao Naik Mahavidyalaya, Aurangabad.	31 July -1995
3.	Deogiri College, Aurangabad.	18th Octo.,-2008
4.	Maulana Azad Education trust, Aurangabad.	8th Dec. -2009
5.	Marathwada Shikshan Prasarak Mandal, Deogiri college, Aurangabad.	20th Dec. -2010
6.	Aurangabad College for Women, Aurangabad.	19th July -2001
7.	Arts Science and Commerce College, Badnapur.	03 Oct., 2011
8.	Kohinoor Arts, Commerce and Science College, Khultabad.	29th, June-2012
9.	Vasantrao Naik College, Aurangabad.	19th, Dec.-2006
10.	Dr. Rafiq Zakaria College for Women. Aurangabad.	14th,Oct.-2010
11.	Deogiri College, Aurangabad.	4th Dec.-2015
12.	Sir Sayyed College, Aurangabad.	13/02/2015
13.	Vivekananda College, Aurangabad	2016
14.	Held at Dr. Rafiq Zakaria College for Women, Aurangabad.	2017
15.	Held at University physical Science Department	10/01/2019

34. Honoured as a convenor | member of various committee

- Invited as **Judge** during Science and Technology Exhibition
- Organized by Model high School, Jubilee park, Aurangabad on 26 Nov-2005.

<p>Honored as judge at Model high School, Aurangabad, during exhibition of Science and Technology.</p>		<p>26 Nov-2005</p> 
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35. HONOURED AS CHAIRPERSON / CHIEF GUEST

S.N.	INSTITUTE/ TITLE OF CONFERENCE	DATE
1.	As Chairperson during UGC Sponsored National Conference on “Recent Trends in Environmental Toxicology Milliya Arts, Science & Management Science College, Beed, (M.S.).	4th & 5th August, 2010.
2.	As Chief Guest at Shivaji College, Kannad	2017
3.	As Reportier during National conference Thims College, Jalgaon.	2017
4.	Judge at home science, Dr. RZCW, Aurangabad.	2018
5.	Advisory Board Member of National Conference entitled Recent Developments in life Sciences for Human welfare 2019 held at Y. C. College of Arts and Science College Sillod.	14 Feb. 2019

36. Lectures delivered:

- Scope and Limitations of UGC sponsored syllabus of B.Sc. III year botany Plant Pathology during workshop on ‘Scope and Limitations of B.Sc. III year new syllabus in Botany’ on 6 th August 2011.at Shivaji Arts, Commerce and Science College, Kannad.(M.S.).
- Fungi as plant pathogens at Shivaji Arts, Commerce and Science College, Kannad.(M.S.).

37. PAPER PRESENTATION DETAILS

S. N	TITLE OF PAPER	EVENT OF PAPER PRESENTATION
1	Studies on Benomyl resistance in <i>Phytophthora drechsleri</i> f.sp.cajani.	Agricultural Research Station, Jaipur. 14-16th March, 1988
2	Breakdown of Benomyl resistance in <i>Phytophthora drechsleri</i> f.sp.cajani by alternate and joint action of fungicide.	Marathwada agricultural university, Parbhani. Ist and II nd Feb. 1989
3	Sensitivity of <i>Phytophthora drechsleri</i> f.sp.cajani to certain fungicides.	Conf. on Modern trends in teaching and Research in botany Vasantrao Naik Maha. A’bad. 11 Oct., 1998
4	Atmospheric concentration of <i>Cercospora</i> causing Tikka disease over groundnut fields.	Int. Conf. of SAARC countries on Biote. in Agri., Industry and Environment, Yeshwantrao Chavan College of Science Karad. 28-30 Dec. 2001

5	Influence of Metalaxyl Concentration on the growth of four different strains of <i>Phytophthora drechsleri</i> f. sp. <i>cajani</i> .	Nat. level Sem. on Current Environmental Problem of developing cities, townships and rural areas, Science College, Nanded. 27-28 January 2002
6	Effect of NaCl salinity on seed germination and early seedling growth in soybean	Nat. Conf. fourth annual meeting of Marathwada Bot. Soc, Dr. BAMU. A'bad. 30-31 Jan., 2002
7	Integrated management of <i>Phytophthora drechsleri</i> f. sp. <i>cajani</i> .	Nat. Conf. fourth annual meeting of Marathwada Bot. Soc., Dr. BAMU. Aurangabad. 30-31 January 2002
8	Isolation and pathogenecity of different strains of <i>Fusarium</i> sp. from air.	Nat. Symp. on Perspectives in Integrated Plant Dise. management, NCR for citrus, Nagpur. 13 -14 Feb. 2002
9	Effect of carbohydrates on the growth of Metalaxyl sensitive and resistant strains of <i>Phytophthora drechsleri</i> f. sp. <i>cajani</i> .	National symposium on perspectives in integrated plant disease management, NCR for citrus, Nagpur. 13 -14 Feb. 2002
10	Prevalence of airspora over groundnut field and their forecasting.	National conference on aerobiology, Hyderabad. 27 & 28 Feb-2002
11	Effect of copper oxychloride and Diathane-M45 on the growth and sporulation of air borne microflora.	National conference on aerobiology, Hyderabad. 27 & 28 Feb-2002
12	Synergistic effects of antibiotics on Metalaxyl resistant strains of <i>Phytophthora drechsleri</i> f. sp. <i>cajani</i> causing blight of pigeon pea.	National conference on aerobiology, Hyderabad. 27 & 28 Feb-2002
13	Biochemical studies on post harvest rot of pineapple caused by <i>Fusarium</i> species.	Symposium on major plant diseases and their management CICR N Nagpur. 29 & 30 Oct-2002
14	Studies on postharvest rot of mango caused by <i>Aspergillus niger</i> .	Symposium on major plant diseases and their management CICR Nagpur. 29 & 30 Oct-2002

15	Effect of leaf extract of <i>Aloe vera</i> on Aspergillus rot of mango in presence of <i>Drosophila</i> insect.	Nat. Conf. in Botany for human welfare, KSK college, Beed. 4 & 5, January- 2003
16.	Study of post harvest mycoflora associated with rot diseases of Sweet orange.	Nat. Conf. on Recent Developments in Life Sciences for Human Welfare organized by Yeshwantrao Chavan College , Sillod. on 14 th Feb. 2019.

38. Participation and presentation of research papers in Seminar \ Workshop | Conference at National & International level:

SN	EVENT/ PLACE	DATE
1	National symposium Marathwada Agricultural University, Parbhani.	.10 -12 Feb.- 1987
2	Agricultural Research Station Jaipur organized by Indian Phytopathological Society. National Annual Body Meeting Div-8, Jaipur	14-16 March 1988
3	Zonal Meeting of IPS Parbhani. organized by Indian Phytopathological Society, Marathwada Agricultural University Parbhani (M.S.).	1, 2 nd Feb- 1989
4	National symposium organized New Delhi Division of Mycology and Plant Pathology, IARI, New Delhi.	28-Feb. to 2 nd March 1989
5	State Level Conference on Modern trends in teaching and Research in Botany. Organized by Vasantao Naik Mahavidyalaya, Aurangabad.	11 October-1998
6	National Conference on Plant Biotechnology for Indian Agriculture organized by Vasantao Naik Mahavidyalaya, Aurangabad.	7 & 8 October 2001
7	International Conference of SAARC countries on Biotechnology in Agriculture, Industry and Environment. Organized by Yeshvantrao Chavan College of Science and Microbiological Society, Karad (M.S.).	28 -30 Dec-2001
8	National Seminar on Current Trends in plant Sciences organized by Dept of Botany, University of Pune, (M.S.)	26-28 , March- 2002.
9	National Conference on Frontiers in Biotechnological Aspects of Plant Science. Organized by Dept. of Botany, Dr. BAMU, Aurangabad, (M.S.).	30 &31 January- 2002.

10	National Seminar on Current Environmental problems of developing cities, Townships and Rural areas. Organized by Dept. of chemistry, Science college Nanded. (M.S.).	27 & 28 January-2002
11	National Research National Conference on Perspectives in Integrated Plant Disease Management ISPP, NRCC, CICR. Organized by Centre for citrus Nagpur, (M.S.).	13 & 14 Feb-2002
12	National Conference on Aerobiology, organized by Dept. of Botany, Sarojani Naidu Vanita Mahavidyalaya, Hyderabad.	27 & 28 Feb-2002
13	National Conference on Environment: Ergonomics & Epistemology, organized by Jaihind College of Arts, Science and Commerce, Dhule, Maharashtra. (M.S.).	4 & 5 th October-2002.
14	National Conference on Hydro chemical, Biochemical and environmental pollution. Organized by Maulana Azad College Aurangabad. (M.S.).	7 & 8 Octo.-2002
15	Symposium on plant disease and their management, organized by Indian Psychological society western zone cotton research center. Nagpur.	30 th Oct. 2002
16	Workshop on Effect of modernization on Society, organized by Milind college of science Aurangabad.	10 & 11 th Dec. 2002.
17	“State level seminar on availability, utilization of plant wealth”. Organized by Dept. of botany, Dr. BAMU, Aurangabad.	14 th, Dec. 2002
18	National conference on Botany for human welfare organized by Ms. K.S.K. College, Beed.	4 & 5 Jan. 2003.
19	Regional workshop scope and limitations in botany syllabus. Organized by Vasant Rao Naik Mahavidyalaya Aurangabad.	2 nd March, 2003
20	Jagতিকর্নাचे Parinam Milind College of Science, Aurangabad.	10 & 11 Dec.-2002
21	National Conference on Botany for Human Welfare. KSK College Beed,	4 th & 5th Jan.-2003
22	Conference held at Shri Shivaji College of Arts, Commerce and Science, Akola.	18 & 19 Jan.-2003
23	Workshop on <i>New Syllabus in Botany</i> , organized by Vasant Rao Naik Mahavidyalaya, Aurangabad.	2 nd March-2003.

24	National Conference on <i>Emerging Trends in Chemical Sciences in the new Millennium</i> , organized by Shri Shivaji Science College, Amravati.	5- 7 th Feb-2004.
25	Conference on <i>Biotechnological Approaches towards the Integrated Management of Crop Diseases</i> . Organized by Dr. BAMU, Aurangabad.	30 & 31 st July-2004.
26.	State level Workshop on “Scope and limitations of B.Sc. II year Botany practical as per UGC syllabus”. held at Aurangabad College for Women, Aurangabad.	6 th Feb.-2005
27	<i>Workshop on Curriculum in Botany</i> . organized by Vasant Rao Naik Mahavidyalaya, Aurangabad,	26th June 2005.
28	National Conference on ‘ <i>Applied Aspects of plant Science and Environment.</i> ’ organized by Aurangabad College for Women, Aurangabad.	19th and 20 th Aug.-2006
29	Conference on Modern Trends in Plant Sciences’ organized by Dr. BAMU, Aurangabad.	6th and 7th Octo.-2007.
30	Conference on Changing Biodiversity Scenario in India, Initiatives for Creation, Sustainable Utilization and Retention of Wealth. Organized by Devgiri College Aurangabad.	14th and 15th July 2008.
31	Work shop on ‘Gandhi Jivan Darshan- Vichar Darshan’ organized by Devgiri College Aurangabad.	9th Aug.-2008.
32	Work shop on ‘Limitations and Scope of Revised Syllabus of B.Sc. II year Botany’, organized by Shivaji Chatrapati College Aurangabad.	17th Feb- 2009.
33	National Seminar on ‘Emerging Trends in Biodiversity and Environment’. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	26th Feb.-2010.
34	International Conference on Environmental Pollution, Water Conservation and Health. Bangalore University, Bangalore	29th to 31 st July-2010.
35.	AUFICTO 27 th Academic Conference-2010 held at North Maharashtra University, Jalgaon.	19-21 st Nov. 2010
36.	National Conference on RECENT TREND in Environmental TOXICOLOGY-2010. Miliya Arts, Science College Beed.	4-5 th Aug. 2010

37.	UGC sponsored National Conference on Recent Advances and Application of Biotechnological aspects of Plant Science , organized by Dr. Rafiq Zakaria College for Women . Aurangabad.	3-4 Dec.-2010
38.	National level Workshop on Women Awareness, Water and Environment , organized by Dr. Rafiq Zakaria College for Women . Aurangabad.	29-30 Octo.- 2010
39.	Fifth International Ground water Conference (IGWC-2012) held at Maulana Azad College of Arts, Science and Commerce, Aurangabad.	18- 21 Dec.-2012
40.	National Conference on Biodiversity, Biotechnology and Climate change held at Arts, Science and Commerce College, Sonai, Tq. Nevasa, Dist: Ahadmadnagar .	26-28 July-2012
41.	National Conference on Environmental, Science held at Shri Dnyaneshwar Mahavidyalaya, Nevasa Dist: Ahadmadnagar.	23-25 Feb.-2012
42.	National Seminar on Global Warming and its effects on Biodiversity held at New Arts, Science College Shegaon, Dist: Ahadmadnagar.	27 & 28 Dec.2013
43.	International Conference on Recent Trends and Challenges in Science and Technology- (RTCST-2014) held at V.K. Patil College, Prawaranagar. Loni, Dist: Ahadmadnagar.	20-22 Aug.-2014
44.	Workshop on reframing of M.Sc. Botany syllabus of III rd & IV th Semester-2015 , held at Government Institute of Science, Aurangabad.	23 & 24 Jan. 2015
45.	Conference on “ Current Trends in Plant Science “held at Dr. Rafiq Zakaria College for Women, Aurangabad.	22 nd Feb.-2015
46.	Seminar on Women protection organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	25 th Feb.-2015.
47.	“One day Work shop on Plant Tissue Culture Techniques ” held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	27 th Feb.-2015
48.	Two days state level seminar on Effect of Chemicals on Biodiversity, held at Karamvir Ganpat Dada More Arts, Commerce and Science College, Nifad	18 and 19 th January, 2016
49.	Workshop on hands on Training in plant tissue culture Technology , held	17 th Dec., 2016

	at Government college , Aurangabad	
50.	Advances in Life Science and Human Welfare, held at Dr. Rafiq Zakaria College for Women, Aurangabad.	18 th Feb., 1017
51.	Saamajik Bhan and Kaushelya Vikas conference held at Vijendra Kabra College, A'bad.	24 th Feb., 1017
52.	National Conference on Recent Trends in Plant Science held at, Botany Department, Dr. B.A.M.U. Aurangabad.	1st and 2 nd March, 2017.
53.	National Seminar on Commission for Scientific and technical Terminology, held at, Govt. Institute of Science, Aurangabad.	4 th March, 2017.
54.	National seminar on present scenario and future challenges of autonomous colleges held at Rajshri Shahu Mahavidyalaya, Latur.	17-18 April-2017
55.	National Council for promotion of Urdu language, Ministry of human resource development, Government of India, Aurangabad me urdu : Wali se Wajd tak,	23 rd July-2018 2018-19
56.	National Workshop on Foldscope utilization to Explore algal diversity held at Karnatak Arts, Science and Commerce College Bidar on 10 th January 2019	10 th January 2019 2018-19
57.	National Conferenc3e entitled Innovation in Life Sciences for sustainable development held at Dr. Rafiq Zakaria College for Women, Aurangabad.	20 th January 2019 2018-19
58.	State Level Conference on Advances in Life Sciences for Sustainable Development held at Dadapatil Rajale Arts , Science and Commerce College, Adinathnagar Dist Ahemadnagar.	22nd & 23 rd th January 2019. 2018-19
59.	Nat. Conf. on Recent Developments in Life Sciences for Human Welfare organized by Yeshwantrao Chavan College , Sillod.	14 th Feb. 2019 2018-19
59.	One day National Seminar on Recent Advancements in Sciences” held at S. B. E. S. College of Science, Aurangabad.	10 th March, 2019 2018-19
60.	One day National Seminar on New Avenues of Research in Chemical and Biological Sciences held at Maulana Azad Research Center, Aurangabad, organized by Sir Sayyed College A'bad.	1 st October, 2019.

39. PUBLICATION CERTIFICATES:

SN	JOURNAL	JOURNAL DETAILS	ISSN
1.	IJIRSET (Int. J. Inno. Res. Sci., Engineering and Technology)	Vol.5, Issue-5, May-2016 Impact Factor: 5.442	ISSN: (O) 2319-8753 ISSN: (P) 2347-6710
2.	IJREAS (Int. J. Res. Engineering and Appl.Sciences)	July-2016 Impact Factor: 6.573	ISSN: (O) 2249-3905 ISSN: (P) 2349-6545
3.	IJAR (Int. J. Advanced Research)	Vol.4, Issue-31, May-2016 Impact Factor: 6.573	ISSN:2320-5407
4.	GJESRM (Global Journal of Engineering Science and Research Management) Thomson Reuters	Vol.6, Issue-9, Sep.-2019 Impact Factor: 3.799	ISSN:2349-4506

40. RESEARCH GUIDE: Yes**41. NUMBER OF STUDENTS REGISTERED FOR Ph.D. DEGREE**

Sr. No.	REGISTERED STUDENTS FOR Ph. D. DEGREE	TITLE OF RESEARCH WORK	REGISTRATION DATE	REPORT
1	Sonawane, B.N.	Study of Management of Post Harvest Disease of Amla	2012	AWARDED 2017
2	Ms. Devika Ashok Borude (OBC)	Pathological Aspects and Management of Fungal Detoriation of Stored Garlic	2013	Thesis submitted
3	Sk. Majed	Studies on Pathology and Management of <i>Sclerotium</i> Diseases of Certain Vegetables	2018	Working
4.	Khan Shafa Duryani (Open)	“Studies on Aeromicroflora of vegetable and fruit market at Beed”	2012	AWARDED 2017
5.	Miss Uzma Quadri (Open)	“Integrated Management of fungal diseases of certain vegetables.”	2012	AWARDED 2019-20
6.	Mrs. Rina (VJNT)	Studies on Ethnobotanical aspects and diagnosis of leaf spot diseases of certain	2015	AWARDED 2020-21


		medicinal plants at Nandurbar District.		
7.	Mr. Faruk Karim Shaikh (Open)	“Study of Integrated management of root rot diseases of certain vegetables”	2015	AWARDED 2019
8.	Yaser Ali Abdullah YEMAN	“Studies on Bioactive compounds extracted from fruiting body of mushroom against pathogenic microbes”	2017	Working
9.	Ananta Tukaram More Open (UGC-JRF)	“Forest tree nursery diseases ”	2018	Working
10.	Patil Mahendra Open	“Study of Photochemistry of certain medicinal plants”	2018	Working
11.	Priya Lokre	“Study of seedling diseases of medicinal plants”	2018	Working
12.	Seham Ameen Abdu Ahmed Al Homam YEMAN	“Screening of Photochemical & antimicrobial potential of extract of Withania somnifera leaves against human pathogenic microbes”	2018	Working

.3.3- Number of Ph.D.s awarded per teacher

Sr. no.	Name of the PhD scholar	Name of the Department	Name of the Guide/s	Title of the Thesis	Year of registration of the scholar	Year of award of PhD
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42. AWARDS

SN	Award title	Photo	Date /place
01.	DRONAACHARYA BEST TEACHER AWARD		2004-05 5th September, 2004 at Aurangabad

02.	NATIONAL MAHILA RATAN GOLD MEDAL AWARD for outstanding work in the subject,		2016-17 on 25 th July 2016, at New Delhi
03.	RASHTRIYA VIDYA GAURAV PURASKAR		2016-17 2016 at New Delhi
04.	Honored by BHARAT VIDHYA SHIROMANI AWARD.	For outstanding achievements in the field of education.	2016-17 30 th Sep.,2016 New Delhi.
05.	Honored by INTERNATIONAL EDUCATION LEADERSHIP AWARD for outstanding achievements in the field of education.	 Photo: Princess Isabella Lafforgue from France (10 th February, 2017)	2016-17 on 10th Feb., 2017, BANGKOK, THILAND.
06.	Honoured by LIFETIME ACHIEVEMENT IN SCIENCE AWARD for the contribution and achievements in the field of Botany, 8 th July 2017 at Chennai	 Guest of Honour Dr. Deborah Andrews London South Bank University, England 8th July 2017 at Chennai.	2017-18 8 th July 2017 at Chennai
07.	Honoured by BHARAT SHIKSHA RATAN AWARD	For Outstanding achievements and remarkable role in the Field of Education	2017-18 27 th Sep.-2017, Delhi.

08.	Honoured by <i>EXCELLENCE IN EDUCATION AWARD</i> For Remarkable work in the Field of Education		2018-19 on 8 th July- 2018, TASHKENT, Uzbekistan, RASHIYA.
09.	Honoured by <i>WOMEN IN EDUCATION LEADERSHIP AWARD</i>		2018-19 29 th July-2018, VIVANTA TAJ, Aurangabad
10.	Honoured by <i>SCIENTIST IN BOTANY AWARD</i>		2018-19 2 nd December- 2018, organized at Royal Orchid, Banglore
11.	Honoured by <i>International Women of the Year AWARD-2019</i>		2018-19 24 th Feb., 2019, Delhi

12.	<i>International Women Scientist of the Year AWARD-2019</i>		2019-20 At Moscow 29 th June, 2019.
13.	Honoured by “ <i>Best Professor in Botany Studies</i> ” Award.		2019-20 At Mumbai 22 nd Novem ber. 2019
14.	Honoured by “ Dr. A. P. J. Abdul Kalam Education Excellence Award, 2019	For Excellence in Research and Development	2019-20 At Delhi On 4 th December, 2019

44. LETTERS & CERTIFICATES OF APPRECIATION



1.	Letter of Appreciation from Principal, Sathya College, Vile Parle (East), Mumbai.	Principal, Sathya College, Vile Parle (East), Mumbai. for organizing UGC sponsored National Conference entitled successfully	19 & 20 th August, 2006 MUMBAI
2.	Letter of Appreciation from Head, Shivaji College, Kannad.	For conducting Nat. Conference entitled “One Day Conference in Botany entitled “ <i>Current Trends in Plant Science</i> ” dated 22 nd Feb. 2015 for organizing systematically in excellent way.	22 nd Feb. 2015
3.	Honoured by Certificate of Excellence	Scientific Journal International (SJI) UGC listed-30277 with Cosmos Impact Factor-5.530	15/07/2017

4.	Honoured by Certificate of Appreciation		Shivaji College , Kannad
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45. TEACHING AIDS PREPARED

- 1. Transparencies of Algae, Fungi, Bryophytes, Pteridophytes and Gymnosperms.
- 2. Image gallery of Fungal Diseases of crop plants
- 3. Image gallery of Medicinal Plants
- 4. Image gallery of Angiospermic plants of Marathwada
- 5. Image gallery of Cell Organelles
- 6. Image gallery of Scientists of Life Science
- 7. Prepared Transparencies of Botany
- 8. Transparencies of Biology
- 9. Image gallery of Lower Cryptogams Algae
- 10. Image gallery of Lower Cryptogams Fungi
- 11. Image gallery of Virus.
- 12. Image gallery of Bacteria.
- 13. Image gallery of Mycoplasma
- 14. Image gallery of Lichens
- 15. Image gallery of Gymnosperms.
- 16. Image gallery of plant diseases
- 17. Prepared album of post harvest diseases of fruits
- 18. Image gallery of Seed Fungi
- 19. Image gallery of Medicinal Plants
- 20. Image gallery of flowering plants of Marathwada
- 21. Image gallery of plant cell organelles
- 22. Prepared album of post harvest diseases of fruits
- 23. Virtual manual of plant pathology
- 24. Prepared album of scientists of life science
- 25. Prepared album of diagrammatic representation of angiospermic plants
- 26. Photographic manual of plant pathology
- 27. Photographic manual of cryptogams

46. DIGITAL PUBLICATION

-  1. Album of Post harvest diseases of fruits
-  2. Album of market diseases of vegetables

- ✚ 3. Album of Shapes of plant leaf
- ✚ 4. Album of Fungal politics on foliar world
- ✚ 5. Album of Major diseases of crop plants
- ✚ 6. Album of different shapes of corolla
- ✚ 7. Album of arrangement & attachment of leaf
- ✚ 8. Album of Fungi from seeds of medicinal plants
- ✚ 9. Album of different flowers
- ✚ 10. Album of leaf spot diseases of crop plants
- ✚ 11. Album of shapes of androecium & gynoecium of flower
- ✚ 12. Album of flowering shoot of plants (inflorescence)
- ✚ 13. Album of Medicinal plants of Aurangabad
- ✚ 14. Album of plant leaf venation
- ✚ 15. Album of Trees of Aurangabad
- ✚ 16. Album of Botanical names of crop plants.
- ✚ 17. Album of Steps to describe plant
- ✚ 18. Album of Seed borne fungi of pulses, cereals, spices.
- ✚ 19. Album of Symptoms of plant diseases
- ✚ 20. Album of different shapes of bracts
- ✚ 21. Album of different types of stipules
- ✚ 22. Album of shapes of calyx
- ✚ 23. Album of base & apex of leaf
- ✚ 24. Album of taxonomic description of different fruits
- ✚ 25. Album of different shapes & colour of seeds
- ✚ 26. Album of plant root & its modifications
- ✚ 27. Album of barks of trees
- ✚ 28. Album of modifications of leaf
- ✚ 29. Album of plant stem & its modifications
- ✚ 30. Album of protective weapons of plants
- ✚ 31. Album of habit & habitat of plants

47. ACHIEVEMENTS

1. BOOKS PUBLISHED

- Total books published : **47**
 - Reference Books published: **27**
 - Text books published : **20**
- 26 books has **ISBN**
- Research papers published : **163**
- Book in hit list at:
 - i. Bowen University Library, **Nigeria**,
 - ii. Sultan Abdul Samad Library, **Malaysia**,

- iii. University Malaysia Saba Library **Malaysia**,
- iv. Majestic Books Library, **London, United Kingdom**.

- Books Published at International level: **25** (12 from **Germany**)
- 12 books available in several languages such as **Japanese, Chinese, Russian, French** etc.

2. FIRST TITLE OF INDIA

- The books published by **DISCOVERY PUBLICATION NEW DELHI**, entitled “Diseases of Medicinal Plants” and “Symptoms of Plant Disease”. These two books are the first title of India.
- The books published by **SHIVANI PUBLICATION PUNE**, entitled “ The Leaf” is also the first title of India.

3. BOOKS AVAILABILITY: 14 books available in several countries of the world such as . London United Kingdom, etc.

- **In Vitro Phytopathology** book available at **London (UK)**; Portland ME **USA**, North Miami Beach FL **USA**, Richmond TX **USA**, Bergisch Gladbach (**Germany**), Mannheim (**Germany**), Las Vegas NV **USA**, Einbeck (**Germany**), Wood Dale IL **USA**, Portsmouth NH **USA**, Oxford United Kingdom, Uxbridge (**UK**).

- **Symptoms of infected fruits** book available at Einbeck , Bergisch Gladbach (**Germany**), London (**UK**). Oxford United, Fairford, GLOS (**UK**), Uxbridge (**UK**), Mannheim (**Germany**),

- **Practical botany for degree students** book available at London (UK); Portsmouth NH **USA**, Oxford United Kingdom, Mannheim (**Germany**), Bergisch Gladbach (**Germany**), Richmond TX (**USA**), Fairford, GLOS (**UK**), Uxbridge (**UK**), Einbeck (**Germany**), Las Vegas NV **USA**, Wood Dale IL **USA**.

- **Diseases of crop plants** book available at London (UK); **Oxford**, United Kingdom, Mannheim (**Germany**), Bergisch Gladbach (**Germany**) Fairford, GLOS (**UK**), Einbeck (**Germany**) Wood Dale IL **USA**.

- **Families of Angiosperms Vol.-I** book available at Mannheim (**Germany**), **Oxford** United Kingdom, Las Vegas NV **USA**.

- **Families of Angiosperms Vol.-II** book available at Oxford United Kingdom, Las Vegas NV **USA**, Mannheim (**Germany**).

- **Indigenous arboreal flora** book available at London (UK); Mannheim (Germany).

- **Symptoms of plant disease** book available at New Delhi India, **London (UK), Oxford** United Kingdom.

- **Embryology of family papaveraceae** book available at Las Vegas USA; London (UK).

- **Plant disease management** book available at Mannheim (Germany); Bergisch Gladbach (**Germany**); Fairford, GLOS (UK); Uxbridge (UK); Einbeck (Germany); Las Vegas **USA**; Wood Dale IL USA

- **The flower** book available at Bergisch Gladbach (**Germany**); Mannheim (Germany); London (UK).

- **Aquatic Thallophyta** book available at Mannheim (Germany); London (UK).

- **Diseases of medicinal plants** book available at Delhi India.

- **Post harvest rots of fruits** book available at UK, USA, Malaysia, Japan, Nigeria, India, China.

- 4. FELLOW:** i. Fellow of Society for Sciences (F.S. Sc.)
ii. Fellow of Society of Life Sciences (F. S. L. Sc.)

5. AWARDS : 10

1. Honored by **DRONAACHARYA BEST TEACHER AWARD** on 5 September, **2004** at Aurangabad.
2. Honored by **NATIONAL MAHILA RATAN GOLD MEDAL AWARD** on **25th July 2016, Delhi.**
3. Honored by **RASHTRIYA VIDYA GAURAV PURASKAR** in 2016 at **New Delhi.**
4. Honored by **BHARAT VIDHYA SHIROMANI AWARD**, 30th September, 2016 **New Delhi;**
5. Honored by **INTERNATIONAL EDUCATION LEADERSHIP AWARD** 10th February, 2017 at **BANGKOK, Thailand.**
6. Honored by **LIFETIME ACHIEVEMENT IN SCIENCE AWARD** 8th July 2017 at **Chennai.**
7. Honored by **BHARAT SHIKSHA RATAN AWARD** on 27th Sep.-2017, **Delhi.**
8. Honored by **EXCELLENCE IN EDUCATION AWARD** 8th July-2018, **Tashkent, Uzbekistan, Rashiya.**
9. Honoured by **WOMEN IN EDUCATION LEADERSHIP AWARD** on 29th July-2018, **VIVANTA TAJ, Aurangabad.**

6. LETTERS & CERTIFICATES OF APPRECIATION: 4

- **Letter of Appreciation** from Principal, Sathya College, Vile Parle (East), Mumbai. on 19th & 20th August, **2006 Mumbai.**
- **Letter of Appreciation** from Head, Shivaji College, Kannad on 22nd Feb. **2015.**

- Honoured by **Certificate of Excellence** by Scientific Journal International (SJI) UGC listed-30277 . with Cosmos Impact Factor-5.53015/07/**2017**
- Honoured by Certificate **of Appreciation, 2017**, Shivaji College Kannad.

7. NUMBER OF Ph.D. **THESIS EVALUATED** : **5**

8. RESEARCH STUDENTS **AWARDED Ph.D. DEGREE** : **05**

9. **CONFERENCE/ SEMINAR/ WORKSHOPS ORGANIZED** : **14**

10. **EDITORIAL BOARD MEMBER** OF 9 NAT. & INTERNATIONAL JOURNALS

11. COUNTRIES VISITED: **Dubai U.A.E., Thailand, Kingdom of Saudi Arabia, Turkey, Uzbekistan**

12. TEACHING AIDS PREPARED : **27**

13. DIGITAL PUBLICATION : **544** you tube videos of studies in Botany uploaded

14. Excellent results of concern students.