

# RESUME



**Dr. Patkar Namdev Babruvan**  
(M.Sc. M.Ed. CTET SET NET Ph.D.)

**Full Name** : Dr. Namdev Babruvan Patkar  
**Father's Name** : Mr. Babruvan Sandipan Patkar  
**Designation** : Head & Assistant Professor  
**Date of Birth** : 9<sup>th</sup> Dec 1983  
**Permanent address** : 44, Deshmukh Patil Wasti, Laxmi Peth, Solapur-413001  
**Present address** : 44, Deshmukh Patil Wasti, Laxmi Peth, Solapur-413001  
**Telephone number** : (0217) 6958944      Mobile - 9850830373  
**E-mail address** : [namdev.patkar@gmail.com](mailto:namdev.patkar@gmail.com)  
**Sex** : Male

**Languages known** :

Languages	Read	Write	Speak
Marathi	✓	✓	✓
Hindi	✓	✓	✓
English	✓	✓	✓

**Nationality** : Indian  
**Domicile** : Maharashtra  
**Career Objectives** :

Seeking for challenging opportunity and position, so as to utilize my technical and administrative skills and knowledge to achieve the goal of an esteemed organization. Willing to work as a key player in challenging and creative environment.

**Educational Qualifications :**

Degree	Board/ University	Year of Passing	Division/ Grade	% of marks	Subject/s
B. Sc.	Shivaji	2004	Ist class	68.44%	Zoology
M. Sc.	Shivaji	2006	Ist class	66.63%	Zoology
B.Ed.	Solapur	2007	Distinction	70.40%	Science, Math's
M.Ed.	Solapur	2008	Ist class	65%	Science, Math's
MHCIT	MSBTE	Sept 2003	Ist class	69%	-----
CTET	CBSE	2011	Qualified	61	All
NET	CSIR-UGC	June 2015	Qualified	47.75%	Life Sciences
SET	Pune Uni.	Sept. 2015	Qualified	62.29%	Life Sciences
Ph.D.	Dr. B.A.M.U., Aurangabad	Nov. 2016	Awarded	-	Zoology

**Teaching Experience :**

Sr. No.	Name of College	Nature of Appointment	Date of Appointment		No. of Year/s & Month/s
			From	To	
1)	V.G.Shivdare College of Arts, Commerce, & Science. Solapur.	Assist. Professor	15/6/2008	29/04/2010	2 yrs
2)	Walchand College of Arts & Science, Solapur.	Assist. Professor	15/06/2010	To till date	9 yrs
				<b>Total</b>	<b>11yrs (UG:11 yrs and PG: 7 yrs)</b>

**Title of the Ph.D. thesis :**

Doctoral research entitled on “**Studies on some Ecological aspects of Ants (Hymenoptera: Formicidae) in the Great Indian Bustard Wildlife Sanctuary, Nannaj (M.S.) India**” completed under the guidance of Dr. R. J. Chavan from Dept. of Zoology of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

**Major research areas Within the subject** : \* Entomology, Myrmecology, Molecular Biology  
\* Molecular Taxonomy

**Membership of any academic Body** : ----- **Annexure-01**

**Paper presentation  
at State, National and International  
Conference**

: Total – 09

**Annexure-02**

**Courses/ Workshops/ Conferences/ Seminars/ Orientation courses/ Refresher courses/  
Symposia etc. attended :**

<b>Sr. No</b>	<b>Title</b>	<b>Place</b>	<b>Date</b>
1	UGC Sponsored workshop on “Teaching Problems in theory and Practical syllabus of Biotechnology”	Solapur University, Solapur and Lokmangal Biotechnology College, Wadala,	10 <sup>th</sup> Feb 2008
2	UGC Sponsored National Conference on “Biodiversity & Conservation of Nature and Natural Recourses” (NCBCNNR-2010)	D. B. F. Dayanand College of Arts and Science, Solapur.	29 <sup>th</sup> & 30 <sup>th</sup> Jan 2010
3	Two day Workshop on “Techniques in Biotechnology” organized by BioEra Medical Systems Ltd, Pune	V.G.Shivdare College of Arts, Commerce, & Science. Solapur.	29 <sup>th</sup> & 30 <sup>th</sup> Dec.2008
4	UGC Sponsored Two day Workshop on “Techniques in Molecular Biology and Genetic Engineering Organized by BioEra Medical Systems.	Lokmangal Biotechnology College, Wadala	10 <sup>th</sup> Feb. 2008
5	Seven day Workshop on “Enzymology(Enzymes Rennet & Bromelain) and its impact in Industries organized by niTza Biologicals Pvt. Ltd,Hydrabad	V.G.Shivdare College of Arts, Commerce, & Science. Solapur	4 <sup>th</sup> to 10 <sup>th</sup> Sept 2009
6	75 <sup>th</sup> BRNS-IANCAS Seven day National Workshop on Radiochemistry & Applications of Radioisotopes	Solapur Science Centre, Solapur and by IANCAS, DAE, Govt. of India	25 <sup>th</sup> -31 <sup>th</sup> Dec. 2010
7	UGC Sponsored National Conference on “ Recent trends in Life Sciences with Special Reference to Animal Physiology, Biotechnology and Biodiversity”	SGM College of Arts & Science, Karad, Dist. Satara	19 <sup>th</sup> -20 <sup>th</sup> Oct. 2011
8	National seminar on Geochemistry and Geophysics of Earth Materials and Environment (GAGEME-2011)	School of Earth Sciences, SRTM, Nanded	28 <sup>th</sup> -29 <sup>th</sup> Jan 2011
9	U.G.C. Sponsored Two Days State level seminar on “Advances in Biotechnology”.	KBP Mahavidhyalaya, Pandharpur, & V. G. Shivdare College, Solapur	13 <sup>th</sup> & 14 <sup>th</sup> Feb 2009

10	UGC Sponsored National Pre-Science Congress Conference on “Science and Technology for Human Development”	Dept. of Zoology, B.A.M.U., Aurangabad	30 <sup>th</sup> & 31 <sup>st</sup> Dec. 2014
11	<b>International</b> Conference on “Chemical , Material and Bioscience for sustainable development”	Walchand college of Arts and Science college, Solapur.	8 <sup>th</sup> to 10 <sup>th</sup> 2015
12	U.G.C. Sponsored National conference entitled on “Harmony with nature in context of Bio-resources and Environmental Health (HARMONY-2015)”	Dept. of Zoology, B.A.M.U., Aurangabad	23 <sup>rd</sup> -25 <sup>th</sup> November 2015
13	One day Seminar on Waters Product and Basic Chromatography	Waters Systems Pvt. Ltd., Mumbai & Walchand college of Arts and Science, Solapur.	21 <sup>st</sup> Dec 2015.
14	UGC Sponsored National Conference on “Biodiversity & Management of Bio-resources”	Dept. of Zoology, Shivaji University, Kolhapur	15 <sup>th</sup> & 16 <sup>st</sup> Dec. 2015
15	One Day Workshop on “Revised Syllabus for B. Sc. III Zoology Practicals”	Walchand college of Arts & Science, Solapur In collaboration with Solapur University, Solapur	10th January 2016 <b>Resource Person</b>
16	One Day Workshop on “Recent trends in Biochemistry and Biotechnology”	Walchand college of Arts & Science, Solapur	30th January 2016 <b>Resource Person</b>
17	One Day Workshop on “Advances in Biotechnology-2016”	Walchand college of Arts & Science, Solapur	22 <sup>nd</sup> August 2016 <b>Convener</b>
18	One Day Workshop on “Writing of Research papers Ph.D. thesis and project proposals-2016”	N.B. Navale college of Engineering, Kegaon	20 Dec. 2016
19	One Day Workshop on “NET-SET Exam Guidance”	Dayanand college of Arts & Science, Solapur	7th January 2017 <b>Resource Person</b>
20	One day Workshop Advanced Techniques for Basic sciences 2017	Walchand College, Solapur	24/01/2017 <b>Resource Person</b>
21	One day Workshop Advanced Techniques Biotechnology and Nanotechnology	Walchand College, Solapur	13/02/2017 <b>Resource Person</b>
22	One day Workshop “Advanced learning in Biotechnology and Bioinformatics”	Sangola College, Sangola	<b>(Resource Person)</b> 14 <sup>th</sup> Sept. 2017
23	One day Workshop on Avishkar-2017	Solapur University, Solapur	28 <sup>th</sup> August 2017
24	One day Workshop on	Sangmeshwar College,	<b>(Resource Person)</b>

	Bioinformatics	Solapur	24/08/2017
24	UGC Sponsored One day National seminar on “Recent trends in Textile Chemistry”	Walchand College, Solapur	17 <sup>th</sup> Feb. 2018
25	One day Workshop on “ Advanced Techniques for Basic sciences”	Adarsh Mahaviyalaya, Omerga & Walchand College, Solapur	<b>(Resource Person)</b> 15 <sup>th</sup> Feb. 2018
26	One day Workshop on “ Advanced Techniques for Basic sciences-2018”	Walchand College, Solapur	<b>(Resource Person)</b> 8 <sup>th</sup> Feb. 2018
27	One day National conference on “Statistics in Social Science Research”	Kasturbai College of Education and research centre, Solapur	26 <sup>th</sup> Feb. 2018
28	UGC Sponsored One day National seminar on “ Fundamentals of GIS, GPS and Remote Sensing”	Walchand College, Solapur	23 <sup>th</sup> Feb. 2018
29	UGC Sponsored One day Workshop on “Advanced Techniques in Zoology”	Walchand College, Solapur	<b>(Resource Person)</b> 12/02/2018
30	UGC Sponsored One day Workshop on “Techniques in Molecular Biology and Zoology”	Walchand College, Solapur	<b>(Resource Person)</b> 06/01/2018
31	UGC Sponsored two day National conference on “Aquatic Biodiversity (NCAB-2018)”	Yashwantrao Chavan Mahavidyalaya, Tuljapur	19 <sup>th</sup> & 20 <sup>th</sup> January 2018
32	One day National workshop on “ Revised Assessment & Accreditation Methodology of NAAC”	D.B.F. Dayanand College of Arts and Science, Solapur	5 <sup>th</sup> Nov. 2017.
33	One day Workshop “Advanced techniques Genetics and Plant Biotechnology-2019”	SSM, Mahavidyalaya, Akluj in collaboration with Walchand College, Solapur	<b>(Resource Person)</b> 19 <sup>th</sup> Dec. 2019
34	“ Advanced Techniques for Basic sciences-2018”	Walchand College, Solapur	<b>(Resource Person)</b> 21 <sup>st</sup> Feb. 2018
35	“ Advanced Techniques for Basic sciences-2018”	Walchand College, Solapur	<b>(Resource Person)</b> 22 <sup>nd</sup> Feb. 2018
36	Workshop on Theory syllabus of B Sc. III Botany New CBCS Pattern	SSM, Mahavidyalaya, Akluj	<b>(Resource Person)</b> 9 <sup>th</sup> January 2019
37	Workshop on Theory syllabus of B Sc. III Botany New CBCS Pattern	Walchand college of Arts and science ,Solapur	<b>(Resource Person)</b> 2 <sup>nd</sup> Feb. 2019
38	One day National Seminar on “Biodiversity and its Conservation”	DS Garad Mahavidyalaya, Mohol	16 <sup>th</sup> Oct. 2018.
39	One day workshop on “New CBCS Syllabus of B Sc. I Biotechnology”	Solapur University, Solapur	2 <sup>nd</sup> March 2019
40	One day National Seminar on “Advanced Technologies in Agriculture and Animal Husbandry”	Baburao Patil College of Arts and Science, Angar	21 <sup>st</sup> January 2019
41	In house One day workshop on	Walchand College, Solapur	2 <sup>nd</sup> March 2019

	“New CBCS Syllabus of B Sc. I Biotechnology”		
42	Participated in Faculty Development Programme-2019	Walchand Institute of Technology, Solapur	11 <sup>th</sup> Feb to 31 <sup>st</sup> March 2019
43	One day workshop on “Intellectual Property Rights (IPR)”	Walchand College, Solapur	9 <sup>th</sup> April 2019.
44	Successfully completed the 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop'	IIT Bombay BodhiTree platform under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT), MHRD, Govt. of India	16 <sup>th</sup> May 2020
45	One Day Online National Workshop on "Role of IQAC in Assessment and Accreditation Process"	PSGVP Mandal's SIP Arts, GBP Science and STKVSCommerce College, Shahada, Dist - Nandurbar (M.S.) in collaboration with State Project Directorate, RUSA, Maharashtra and Joint Director, Higher Education, Jalgaon Region o	22nd May 2020.
46	Actively participated in 2 <sup>nd</sup> International eConference on “Environment Sustainability Teaching tools in Covid-19 Scenario (ICESTT-2020).	Jagdambha College of Engineering & Technology, Yavatmal, Maharashtra, India	19 <sup>th</sup> & 20 <sup>th</sup> May 2020
47	Successfully completed One Week Online Interdisciplinary Certificate Course on Basics of Organic Farming	Athalye-Sapre-Pitre College, Devrukh (Autonomous)	17 <sup>th</sup> to 23 <sup>rd</sup> May 2020
48	Participated in National Webinar on Intellectual Property Rights – IPR Webinar	Dapoli Education Society’s Dapoli Urban Bank Senior Science College, Dapoli-Ratnagiri (Maharashtra) in association with MYCrave Consultancy & Services, Vadodara, Gujarat.	23/05/2020
49	One day Seminar cum workshop on “Advanced Techniques in molecular genetics and plant biotechnology”	SMM, Akulj	26 <sup>th</sup> Feb 2020
50	“Advanced Techniques for Basic sciences-2019”	V.M. Senior College, Osmanabad on	17th January 2020.
51	“Advanced Techniques for Basic sciences”	Yashwantrao Chavan, Mahavidyalaya, Tuljapur on	6th Feb. 2020
52	Workshop on Modern Trends in Science & Technology	M. M. Patil Mahavidyalaya, Akulj	10th February 2020
53	Workshop on Biostatistics and Advanced techniques in	Vidnyan Mahavidyalaya, Sangola on	24th December 2019

	Biotechnology		
54	One Day workshop on “ Advanced techniques for basic science-2020”	WCBT, Walchand College,Solapur	3 <sup>rd</sup> Feb 2020
55	One Day workshop on “ Research Methodology and IPR”	WCBT, Walchand College,Solapur	8 <sup>th</sup> Feb 2020

**College co-curricular and Administrative activities :** List Attached **Annexure-03**

**Professional and other activities** : List attached **Annexure-04**

**Examination duties (Solapur University, Solapur)** **Annexure-05**

**Achievements** : List attached **Annexure-06**

**Completed research Project.** : “Effect of Ca-Zn Bioactive ceramic on Liver Functions of male Albino Rat” towards partial fulfillment of M.Sc. course.

**Project Guidance at B.Sc.III level (Biotechnology)** : List attached **Annexure-07**

**Project Guidance at M. Sc. II level (Biotechnology)** : List attached **Annexure-08**

**Publication of Research papers** : **Total: 6** **Annexure-09**  
(National: 02 & International: 04)

**Workshops/Conferences/Seminars/Oral/Poster competition organized:** **Annexure-10**

**Member of Consultancy Services** : Soil & Water Analysis

**Faculty Member of COC sponsored by UGC** : Tissue culture and Biotechnology

**Faculty Development Program** : List attached **Annexure-11**

**Books/Chapters Published & Edited** : List attached **Annexure-12**

**Place** : Solapur

**Date** : 08 /08/2019

**Dr. N. B. Patkar**

**Annexure-01**

**Membership of any academic body**

- Gulmohar Nisarg Mitra Mandal, Dept. of Zoology, Kolhapur.
- Nature Conservation Circle, Solapur

**Annexure-02**

**Paper presentation at State, National and International Conference/Workshop/Seminar**

- “Diversity of Ants from Solapur region (M.S.) India” in UGC Sponsored National Conference on “Recent trends in Life Sciences with Special reference to Animal Physiology , Biotechnology and Biodiversity” organized by SGM College of Arts & Science, Karad, Dist. Satara on 25<sup>th</sup> Nov 2011.
- First record of Ant-plant-Membracid interaction in GIB Wildlife Sanctuary, India in UGC Sponsored National Pre-Science Congress Conference on “Science and Technology for Human Development” organized by Dept. of Zoology, B.A.M.U., Aurangabad 30<sup>th</sup> & 31<sup>st</sup> Dec. 2014
- First record of ant-membracid-plant interaction in Great Indian Bustard Wildlife Sanctuary, Maharashtra State, India in U.G.C. Sponsored National conference entitled on “Harmony with nature in context of Bio-resources and Environmental Health (HARMONY-2015)” organized by Dept. of Zoology, B.A.M.U., Aurangabad on 23<sup>rd</sup>-25<sup>th</sup> November 2015.
- Studies on Biosurfactant Production by Bacterial Species Isolated from Soils of Solapur Region, Maharashtra, India in **International** Conference on “Chemical, Material and Bioscience for sustainable development” Walchand College of Arts and Science, Solapur on 8<sup>th</sup> to 10<sup>th</sup> Jan. 2015.
- Studies on isolation and characterization of some keratinolytic bacterial strains from soils of Solapur region (M. S.) India in UGC Sponsored National Conference on “Biodiversity & Management of Bio-resources” organized by Dept. of Zoology, Shivaji University, Kolhapur on 15<sup>th</sup> & 16<sup>st</sup> Dec. 2015
- First record of mutualistic interaction between Unknown Lycaenid caterpillar and Carpenter ant, *Camponotus compressus* Fab. in the Great Indian Bustard Wildlife Sanctuary, Maharashtra State, India in UGC Sponsored National Conference on “Biodiversity & Management of Bio-resources” organized by Dept. of Zoology, Shivaji University, Kolhapur on 15<sup>th</sup> & 16<sup>st</sup> Dec. 2015
- Presented a poster in and Got IInd prize in University level **Avishkar-2016** research festival organized by Solapur University, Solapur on 27-28 Dec 2016.
- Presented a poster in State level **Avishkar-2016** research festival organized by SRTM University, Nanded on 27-29 Jan 2017.
- Participated in SHODHVEDH-2016 (In house research festival) organized by Gogate College of Arts and Science, Ratnagiri on 24/09/2016.
- **Presented Poster entitled on** “Antimicrobial activity and phytochemical properties of *Eragrostis tenuifolia* (Love Grass) in National conference on “Microbial Technology for Sustainable Development (MTSD)” on 2<sup>nd</sup> Feb. 2018.



- **Presented Poster entitled on** “Keratinase producing bacterial strains from poultry farm soils of Solapur city (M.S.) India” In UGC Sponsored two days National seminar on “Recent trends & developments in Microbial Technology”
- Presented Poster entitled on “Bioplastic production from agricultural waste by using microorganisms ” in One day National conference on “Contemporary Research in Life Sciences and Cancer Biology” organized by V G Shivdare College, Solapur on 19th January 2019.
- **Presented Poster entitled on** “Threats and Conservation strategies for Mangroves” in One day online International conference on “Climate Change, Mangroves and Sustainable Management” organized by IQAC & PG-Department of Botany of Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, (MS) in collaboration with University of Mumbai, Mangrove Society of India & Sahyadri Botanical Society, Kolhapur on 24th April 2020.
- **Presented Poster entitled on** “...”Two Days National conference on “Emerging trends in Pharmaceutical chemistry-2020” organized by D.B.F. Dayanand college, Solapur on 24<sup>th</sup> & 25<sup>th</sup> January 2020.

#### **Annexure-03**

#### **College co-curricular and Administrative activities :**

- In charge of Molecular Biology Laboratory.
- Faculty Member of Soil & Water Analysis COC
- Faculty Member of UGC Sponsored COC Plant & Animal Tissue culture
- Faculty Member of UGC Sponsored COC in Vermicomposting and Vermitechnology
- **Head** of the department of Biotechnology
- **Staff Secretary** for department of Biotechnology
- Organizer and Secretary of Departmental **Biotechnology Club**
- Member of Ganesh festival competitions at college level.
- Member of B. Sc. I Admission, Time table, Mentoring system & result analysis, Publicity, Library Advisory, Employment Cell and Alumni & Parent teacher association committee

#### **Annexure-04**

#### **Professional, Extension, Social and other activities**

- Teaching staff and students of dept. actively participated in Blood Donation camp Organized by WCAS & Siddheshwar Blood bank on 28/9/16.

- Teaching staff and students of dept. actively participated in Blood Donation camp Organized by WCAS & Damani Blood bank on 9/12/16.
- Teaching staff and students of dept. actively participated in Blood Donation camp Organized by WCAS & Hedgewar Blood bank 9/3/16.
- Delivered a plenary talk on Conservation of Biodiversity in Nagesh Karajagi Orchid Junior College on the occasion of Environment Day on 07/06/2016
- Invited as Chief Guest for Valedictory Function of Taluka level Science Exhibition organized by J.R. Chandak Prashala, Bale on 09/12/2016.
- Worked as Examiner in the District level Science Exhibition.
- Worked as a Practical Examiner in H.S.C. Examination.
- Worked Subject Expert of Biology & Biotechnology for NEET MH-CET Software Development Programme coordinated by Cruncher SoftTech Pvt. Ltd. Pune.
- Delivered a plenary talk on “Scope and Opportunities Biotechnology” in Vasundhara Kala Mahavidyalaya, Jule Solapur on 26 August 2017.
- Worked as Examiner (Judge) in Seminar Competition (World Tiger Day) organized by Dept. of Zoology, Walchand College of Arts and Science, Solapur on 29<sup>th</sup> July 2017

#### **Annexure-05**

#### **Examination duties (Solapur University, Solapur)**

- Worked as **Invited member of Ad-hoc Board of Biotechnology** for syllabus framing of B. Sc. I Biotechnology New (CBCS) under **Solapur University, Solapur**.
- Worked as **BOS Sub-committee member** for syllabus framing of B. Sc. III Biotechnology (CBCS) under **Solapur University, Solapur**.
- Worked as **Examination Chairman** for M. Sc. Bioinformatics theory and practicals in 2018-19, 2019-20 under **Solapur University, Solapur**.
- Worked as a **Chairman, Paper Setter, Practical and theory Examiner and Moderator** at B.Sc. I, II and III (Biotechnology) & M.Sc. I and II (Genetics), Bioinformatics Examination 2008 to 2019 for Solapur University, Solapur.
- Worked as a **Paper Setter** for the subject Environmental studies.
- Practical Exam Schedule **Coordinator** for B. Sc. III Biotechnology in 2014 to till date.
- Worked as a Lab expert, Lab Supervisor at B.Sc. (Biotechnology) & M.Sc. (Genetics, Bioinformatics and Biotechnology) in practical Examination 2008 to 2019.

Name of the programme	Contribution	Subject/title of the topic	Name of the Organizing Institution	Dates
Agriculture Sector Skill Council under PMKVY India (A Central Govt. initiative)	(Freelance Assessor)	Sericulture	NSDC on 12 <sup>th</sup> (Karad, Satara, Maharashtra)& 13 <sup>th</sup> (Palem, Mehbubnagar, Telangana)March 2019	12 <sup>th</sup> & 13 <sup>th</sup> March 2019
One day workshop on “Career Counseling 10 <sup>th</sup> and 12 <sup>th</sup> Students”	Resource Person	Science and Biotechnology	Gandhi Natha Rangaji Commerce and Science College, Solapur	30 <sup>th</sup> March 2019
44 <sup>th</sup> Taluka Level Science Exhibition	Examiner (Judge)	Science	ZP Solapur and Uma Vidyalaya and Jr. College, Modnimb	5 <sup>th</sup> Dec. 2018
“Career Opportunities in Biotechnology” for HSC students	Resource Person	Science & Biotechnology	Ambition Institute, Solapur	15 <sup>th</sup> June 2018
“Biotechnology” of new revised Pune Board SSC syllabus for students	Resource Person	Biotechnology	Uma Vidyalaya and Jr. College, Modnimb on	31 <sup>st</sup> Jan. 2019
“Competitive Examination Coaching Centre”	Resource Person	Science for preparation of MPSC Examinations	Walchand college of Arts and science ,Solapur	
Ant Identification and Taxonomist	Expert	For The partial fulfillment of M Sc Zoology degree of Ms. Anuja Bombale	Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati	27-09-2018

#### Annexure-06

##### Achievements and Awards

- Awarded by Late. Princ. Shriram Sharma Memorial Prize for standing first in Zoology B.Sc. Part III Examination held in April 2004 at DBF College of Arts and Science, Solapur
- Winner of **Wildlife Quiz** competition organized by Department of Zoology, Shivaji University, Kolhapur on 26 August 2005 on the occasion of Nature Club Day.
- **Best Poster Award** in the National conference entitled on “**Harmony with nature in context of Bio-resources and Environmental Health (HARMONY-2015)**” held in Dept. of Zoology, BAMU, Aurangabad during 23-25 Nov. 2015.

- Awarded by Bhausaheb Gandhi **Sevabhavi (Ideal Teacher) Puraskar-2016** by Shri Bhausaheb Gandhi Prathisthan Solapur and Shri A. P. D. J. Pathashala, Solapur on 17<sup>th</sup> Nov. 2016.
- Won Second Prize in University level **Avishkar-2016** research festival organized by Solapur University, Solapur on 27-28 Dec 2016.

#### Annexure-07

#### Project Guidance at B.Sc. III level (Biotechnology)

1. “Production Biodiesel from waste Vegetable oil”
2. “Production of Pectinase by using *Aspergillus niger* in Solid State and Submerged Fermentation”
3. “Production of Amylase by using *Aspergillus niger* in Submerged Fermentation”
4. “Production of Citric acid from Cane molasses and Cheese whey by using *Aspergillus niger* in Submerged Fermentation”
5. “Antibacterial activity of some Liquid Soaps against Daily Encountered bacteria”
6. “Antibacterial activity of some Liquid Disinfectants against Daily Encountered bacteria”
7. Studies on Physico-chemical properties of termite mound soil and its effect on maize seed germination at GIB Wildlife Sanctuary, (M.S.) India”
8. Studies on Biosurfactant production by bacterial species isolated from soils of Solapur region, MS, India
9. “Studies on phytochemical analysis and medicinal properties of *Tribulus terrestris*”
10. Phytochemical analysis, antimicrobial and antioxidant activity of *Casia tora* (L.) stem extract
11. Phytochemical Analysis and Antimicrobial Activity of *Cleome viscosa* L. and *Passiflora foetida* L
12. “Phytochemical Analysis and Antimicrobial Activity of *Eragrostis tenuifolia* Against some human bacterial pathogens”
13. “Antimicrobial Activity and Phytochemical Analysis of *Dinebra retroflexa* (Vahl) Panz. Against some human bacterial pathogens”
14. “Phytochemical Analysis and Antimicrobial Activity of *Iseilema prostratum* and *Typha angustata*”
15. “Phytochemical screening and Antimicrobial Activity of *Brachiaria eruciformis* against bacterial strains”
16. “Phytochemical Analysis and Antimicrobial Activity of *Melanocenchris jacquemontii*”

17. "Isolation and Screening of Dye degradation bacterial strains from Soil samples of Solapur region"

18. "Bioplastic Production from *Echhornia crassipes*"

#### Annexure-08

#### Project Guidance at M. Sc. II level (Biotechnology)

- "Biosurfactant production by using bacterial strains isolated from soils of Solapur region (M. S.) India"
- Phytochemical analysis and antimicrobial activity of *Pistia stratiotes* and *Eichhornia crassipes*.

#### Annexure-09

#### Publication of Research papers

- **N. B. Patkar**, B.V. Sonune and R. J. Chavan. (2013). "Studies on Efficiency of Ant Collection Methods in and Around Great Indian Bustard Wildlife Sanctuary, Maharashtra State, India". Indian Streams Research Journal. 2013; 3(6):1-3.
- **N. B. Patkar**, B.V. Sonune and R. J. Chavan. (2013). "Studies on Ants (Hymenoptera: Formicidae) in and around Solapur City, (M.S.), India". Indian Streams Research Journal; 3(7):1-5.
- **N. B. Patkar**, B.V. Sonune and R. J. Chavan.(2014). Taxonomic study of ants Myrmicinae: Formicidae) from Great Indian Bustard Wildlife Sanctuary, Maharashtra State, India. Journal of Entomology and Zoology Studies. 2014; 2 (6): 253-256.
- **N. B. Patkar**, B.V. Sonune and R. J. Chavan.(2014).Diversity of Ants (Hymenoptera: Formicidae) From Undisturbed And Disturbed Habitats of Great Indian Bustard Wildlife Sanctuary, (M. S.), India. International Journal of Scientific Research. 2014; 3(12): 398-401.
- P. S. Kamalpure, **N. B. Patkar**. (2015). Biodegradation of Organophosphate Insecticide Malathion by Microorganisms Isolated From Soils of Solapur Region, India. GJRA - Global Journal for Research Analysis 4(8):72-73.
- A. V. Gunjal, R. J. Chavan, S. D. Chate and **N. B. Patkar**. (2016). Morphokaryological variations of *Chironomous plumosus* and *Chironomous kiiensis* (Diptera: Chironomidae) from Aurangabad district (M. S.), India. International Journal in Basic and Applied Sciences (IJARBAS). Vol. 2 Issue (2): 69-72 pp.

#### Annexure-10

#### Workshops/ Conferences/ Seminars/Oral/Poster competition conducted

- Worked as **Organizing committee member and Resource person** (PCR Techniques and Electrophoresis) for One day Workshop on "Advanced Techniques for Basic Sciences" organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur 1<sup>st</sup> Feb 2016.

- Worked as a **Convener and Resource person** (Electrophoresis Techniques) for One day Workshop on “Recent techniques in Biochemistry and Biotechnology” organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur 30<sup>th</sup> Jan 2016.
- Worked as a **member of organizing committee** for One day Seminar on “Waters Product and Basic Chromatography, Solapur 21<sup>st</sup> Dec 2015.
- Worked as **organizing committee member** for U.G.C. sponsored workshop on “Diversity of Spiders” organized by WCAS, Solapur 3<sup>rd</sup> to 5<sup>th</sup> Oct. 2011.
- **Convener** of Invitation, Banner and other Printing committee & member of College organizing and Registration committee of International conference on “Chemical ,Material and Biosciences for sustainable development” ICCMBSD-2015 during 8<sup>th</sup> to 10<sup>th</sup> January 2015
- Worked as **Organizing committee member and Resource person** (PCR Techniques and Electrophoresis) for One day Workshop on “Advanced Techniques for Basic Sciences” organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur 20<sup>th</sup> Feb. 2015.
- Worked as **organizing committee member** for Five day Workshop on “Basics of Nanotechnology and Bionanotechnology” organized by Walchand Centre for Research in Biotechnology Nanotechnology and Bionanotechnology at Walchand college of Arts and Science, Solapur during 5<sup>th</sup> to 9<sup>th</sup> June 2015.
- Worked as **Organizing Secretary** for “Intra College Poster Competition 2013” organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur on Monday 30<sup>th</sup> Dec. 2013.
- Worked as **Convener and Resource person** (PCR Techniques and Electrophoresis) for One day Workshop on “Advanced Techniques in Biotechnology” for Solapur district Junior College teachers (Biology)organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur on Tuesday 7<sup>th</sup> Jan. 2014.
- Worked as **Organizing Secretary** for “Wildlife Clicks- 2015” an Exhibition and Competition on Wildlife photography organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur on 25<sup>th</sup> August 2015.
- Worked as **committee member and Resource person** in One day workshop on “Advance Techniques for Basic Sciences” at Dept. of Biotechnology on 17th January, 2014
- Worked as a member of organizing committee member for U.G.C. sponsored workshop on “Diversity of Spiders” organized by WCAS, Solapur 3<sup>rd</sup> to 5<sup>th</sup> Oct. 2011.

- Worked as **Organizing committee member and Resource person** (PCR Techniques and Electrophoresis) for One day Workshop on “Advanced Techniques for Basic Sciences” organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur 1<sup>st</sup> Feb. 2016.
- Worked as **Organizing committee member and Resource person** (PCR Techniques and Electrophoresis) for One day Workshop on “Advanced Techniques for Basic Sciences” organized by Dept. of Biotechnology, Walchand college of Arts and Science, Solapur 8<sup>th</sup> Feb. 2017.
- Worked as **Organizing committee member and Resource person** (PCR Techniques and Electrophoresis) for One day Workshop on “Advanced Techniques Biotechnology and Nanotechnology” organized by Dept. of Biotechnology & Nanotechnology, Walchand college of Arts and Science, Solapur 24 Feb. 2017.
- **Worked as Organizing Committee Member in** Inter College Poster Competition organized by PG Dept. of Genetics, Walchand College, Solapur on 20<sup>th</sup> July 2017
- **Worked as Organizing Committee Member in** One day National seminar on “Contemporary Sciences” organized by Department of Nanotechnology, Walchand College, Solapur on 16/02/2018.
- **Worked as Convener in** In House Research Festival “Prerana-2017” organized by Walchand College, Solapur on 9<sup>th</sup> Sept. 2017
- **Worked as Team Manager in** University Level Avishkar-2017 organized by Solapur University, Solapur on 27<sup>th</sup> & 28<sup>th</sup> Dec. 2017
- **Worked as Organizing Committee Member in** Inter College Poster Competition organized by PG Dept. of Genetics, Walchand College, Solapur on 20<sup>th</sup> July 2018
- **Worked as Convener in** In House Research Festival “Prerana-2018” organized by Walchand College, Solapur on 12<sup>th</sup> Sept. 2018
- **Worked as Team Manager in** University Level Avishkar-2018 organized by Solapur University, Solapur on 27<sup>th</sup> & 28<sup>th</sup> Dec. 2018
- **Worked as Organizing Committee Member in** State Level Competition organized by PG Dept. of Genetics, Walchand College, Solapur on 22<sup>nd</sup> July 2018.
- **Worked as Convener** for online Awareness Quiz entitled on “Scope and opportunities in Biotechnology” organized by Dept. of Biotechnology, Walchand College of Arts and Science, Solapur.

## Faculty Development Program

Subject	Name of the programme	Name of the Organizing Institution	Dates From to
ICT	Creating Your own Video resources and Course Implementation on MOODLE	Walchand Institute of Technology, Solapur	11 <sup>th</sup> Feb to 31 <sup>st</sup> March 2019
ICT	Successfully completed Two Week Faculty Development Programme On "Managing Online Classes And Co-Creating Moocs"	Teaching Learning Centre, Ramanujan College, University of New Delhi Sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India	April 20 - May 06, 2020
ICT	One Week National Online Faculty Development Program on ICT Tools for Effective Teaching Learning	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.	11th to 16th May 2020
Zoology	Successfully completed 5 days Short Term E-Course on Applied Zoology	Organized by Baburao Patil Arts and Science college Angar	29th April to 3rd May 2020

## Books/Chapters Published &amp; Edited

Title of the book/chapters published	Title of the paper	National / international	Year of publication	ISBN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
History of Nanotechnology: From prehistoric to Modern times  Dr Madhuri Sharon	Did Nanotechnology Flourish During the Roman Empire and Medieval Periods?  Pp 113-137	International	2018	ISBN: 978-1-119-46058-9	Walchand College of Arts and Science, Solapur	<b>Scrivener Publishing</b> 100 Cummings Center, Suite 541J Beverly, MA 01915-6106 WILEY