



## Curricula vitae

1. Name : Dr. Israr. Ahmad .Raja.
2. Age; : 55Years.
3. Address (residential) : Deepak Chowk  
Akola. 444001
4. Phone No. / Cell No. : 09422160582
5. E-mail address : [medrraja@gmail.com](mailto:medrraja@gmail.com)  
[raja.ahmd@rdiffmail.com](mailto:raja.ahmd@rdiffmail.com)
6. Designation : Associate professor and  
(College) Head, Dept. of Zoology  
Shri Shivaji College Akola.
- College Website : [www.shivajiakola.org](http://www.shivajiakola.org)
- College Email Address : [principal@shivajiakola.org](mailto:principal@shivajiakola.org)
7. Department : (Life sciences)Zoology
8. Date of birth : 22-03-1960
9. Area of specialization : Entomology/Physiology/
10. Academic qualification :

Sr. No.	Certificate/ Degree	Board/University	Dision	Year
1.	Hssc.	Pune.	II	1979.
2.	BSc. (Bot, Che, zoo)	Nagpur University	IIInd	1983
3.	MSc. (Zoology)	Nagpur University	Ist	1985
4.	B.Ed.	S.G.B. Amravati University	Ist	1990
5.	M.Phil. (Zoo)	S.G.B. Amravati University		2000
6.	PhD. (Zoo)	S.G.B. Amravati University		2001

## 11. Teaching Experience; 26 years

<b>Courses Taught</b>	<b>Name of the University/ College/ Institution</b>	<b>Duration</b>
<b>UG</b>	<b>1) Smt. M.P. Kothari college Nandura, 1985-1989.</b>	<b>04 years</b>
	<b>2) Shri Shivaji College of Arts, Commerce and Science, Akot(1991-2004)</b>	<b>13 years</b>
	<b>2) Shri Shivaji College of Arts, Commerce and Science, Akola(Since 2004).</b>	<b>08 years</b>
<b>PG</b>	<b>Shri Shivaji College of Arts, Commerce and Science, Akola</b>	<b>08 years</b>
<b>M.Phil</b>	<b>Shri Shivaji College of Arts, Commerce and Science, Akola</b>	<b>06 years</b>

## 12. Academic Administration.

### a. College

- Working as coordinator of College Admission committee,
- Working as in charge time table committee for faculty of science.
- Working as convenor of NAAC subcommittee for criterion “Teaching learning and
- Worked as Coordinator of UGC sponsored Remedial coaching classes for the
- Member of college committee for women grievances.
- Worked as adviser for College Nature club and awarded best adviser for the year.2003-04
- Working as coordinator college Urdu department
- Also Working as Member on other college administrative committees.

b. University. Member BOS in Zoology. 32/5 committee/ Chairman PG Zoology Syllabi revision jcommittee. Subject exa committee member for UG and PG.

Worked as,

- Ex-Chairman of Board of study, for Zoology (UG/PG), Sant Gadge Baba Amravati University.
- Ex-Member of Academic council, Sant Gadge Baba Amravati University.
- Ex-Member of faculty of science, Sant Gadge Baba Amravati University.

- Member of Board of study for Apiculture.
- Ex-Member of Research Recognition committee in Zoology, Sant Gadge Baba Amravati University.
- Ex-Member Board of University Teacher s Research. Sant Gadge Baba Amravati University.
- Ex-Member of 32/5 committee in zoology, Sant Gadge Baba A.University.
- Chairman, Subject examination committee, for UG and PG.,
- Worked as Chairman subcommittee for framing new curricula, in Zoology UG/PG.
- Worked as Chairman and member for different Local Enquiry Committees to different colleges.
- Worked as Co. Officer in charge for university examination,

**13. Research Experience : 13 Years**

**a. – Research Guidance:**

**28 M.Sc. Research Projects**

**05 following M.Phil dissertations.**

S/N	Name of Student	Title of Dissertation
1	Bhushan Thakur	<i>Physicochemical and Zooplankton analysis of Popatkhed water reservoir.</i>
2	Miss. Asma Parvin	<i>Insect pests of vegetable plants grown in Akola district (Maharashtra)</i>
3	Miss. Shewta Gopnarain	<i>Chromosomal diversity in some butterflies (Order:Lepidoptera) from Western Vidarbha region (Maharashtra)</i>
4	Miss.Shurti Gijre	<i>Histophysiological alteration in selected organs of Ophiocephalus punctatus exposed to synthetic pyrethroid.</i>
5	Miss.Vaishali Berad.	<i>Reproductive biology of male house mouse Mus musculus exposed to biopesticide.</i>
6	Miss. S. Badhiye	<i>Effects of organophosphate pesticides Malathion on the nutritive value of the fish Rasbora daniconius</i>

**b. PhD guidance:**

- 2 students awarded PhD,

- One would be awarded,
- Two submitted thesis, and
- 3 Students working for PhD by research.

S/N	Name of Student	Title of Ph.D.	Status
1	Mr. Shyam.K. Lande	<i>Impact of agro-pollutants on some biological aspects of the fresh water fish Rasbora, daniconious.</i>	Ph.D awarded
2	Miss. Deepali.M. Gwande.	<i>Histological and biochemical aspects of castor semilooper, (Achaea janata: Lepidoptera: Noctuidae) exposed to plant derived toxicants.</i>	P awarded
3	Mr.Sushil. M. Nagrale	<i>Some Aspects of external morphology, anatomy,histomorphology, embryogenesis, life history and reproduction in mycophagous Thrips Elaphrothrips procer.</i>	Awarded.
4	Miss Deepali. G. Tathod.	<i>Contribution to the knowledge of root knot, Nematode(Meloidogyne sp. ) of major vegetables grown in vedarbha.</i>	Awarded
5	Mr. S.R. Kohchade	<i>Genetic screening and evaluation of Sickle cell anaemic patients, from Gadchiroli district.( Maharashtra)</i>	awarded
6	Miss. R. P.Joshi	<i>“Some Physiological and Molecular Aspects of Mulberry Silkworm, <u>Bombyx mori</u> during Incidence of Seasonal Diseases in Vidarbha Region”</i>	submitted
7	Ku KHandekar	<i>Hydrobiological study of Katepurna reservoir. Akola..</i>	Working
8	Mr. S.T Dhande	<i>Cytogenetic studies of some Indian spiders from family araeonidae.</i>	Working
9	Mr. S.Manwar	<i>“Diversity and seasonal abundance of dragon flies and damselflies in Pohra and Malkhed</i>	Working

		<i>reserve forests”</i>	
10	Mr. P.P.Rathod	<i>Reproductive behaviour of selected odonates</i>	Working
11	Miss Shabana Siddiqui	<i>Molecular detection of Wolbacchioa om Vidarbha Region.(MS):A PCR based Study</i>	Working
12	Miss P.Pimparkar	<i>Histophysiological effects of Vegetetive insecticidal proteins on Helico verpa Armigera:A major polyphygous pest&gt;</i>	Working
13	Miss P\uja Thakuir	<i>Diversity prevalence pathogenecity and genetic analysis of Tics(acarae:Ixodidae)or live stock of Akola district.(MS)</i>	Working
14	M.Iss Sonal Varma..		Relieved by cancellation

### c. Research Publications;

#### I. In Journals

Sr. No	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed Impact Factor, . If any	No. of coauthors	Whether you are the main author
1.	.Pattern of male sex behaviors in the laboratory mice exposed to Organophosphate insecticide, malathion. <b>I.A. Raja and K.M. Kulkarni</b> - 21 (2) 474-476-2003	Environment and ecology	ISSN 097-0420	Yes /Peer reviewed/ IF Below 1.	01	Yes
2.	Pesticidal impact on sperm velocity of the laboratory mice . I.A. Raja and K.M. Kulkarni - 21 (4) 967-969-2003	Environment and ecology	ISSN 097-0420	Yes /Peer reviewed/ IF Below 1	01	Yes
3.	5.Toxicity of endosulfan and phasphamidon to the fresh water fish, <i>Rasbora daniconius.</i> , <b>I. A. Raja, A.S Mohite. and K.M. Kulkarni</b> Vol. 19 (1) 183-186	J. Aqua. Biol., 2004 :	ISSN: 0971-4235	Yes /Peer reviewed/ IF Below 1	02	Yes
4.	Blood chemistry and serum enzymic profile in the laboratory mice exposed to	Environment and	ISSN 097-	Yes /Peer reviewed/	01	Yes

	organophosphorus pesticide. <b>I.A. Raja and K.M. Kulkarni</b> 415-418-	ecology22 (2) 2004	0420	IF Below 1		
5.	Laboratory screening of organo synthetic insecticides against third instars larva of fruit sucking moth, <i>Othreis materna</i> (Linn.) ( Lepidoptera :Noctuidae):- <b>Mohite A.S., J.S.Shinde and I.A. Raja.</b> 597-602-	Environment and ecology22 (Spl-4) 2004	ISSN 097-0420	Yes /Peer reviewed/ IF Below 1	02	No
6.	Influence of temperature and humidity on bionomics of the Fruit Sucking moth, <i>Othreis materna</i> (Linn.) ( Lepidoptera :Noctuidae):- <b>Mohite A.S., J.S.Shinde and I.A. Raja.</b> 465-469-2005	Environment and ecology-23 (Spl-2)	ISSN 097-0420	Yes /Peer reviewed/ IF Below 1	02	NO
7.	7. Growth performance of mosquito fish, <i>Gambusia affinis</i> , exposed to different levels of dietary proteins. <b>I.A. Raja and K.M. Kulkarni:</b> 1-5	J. Aqua. Biol. Vol. 21 (2) ,2006	ISSN: 0971-4235		01	Yes
8.	Copulation behaviour in <i>Mycophagus thrips</i> , <i>Elaphrothrips procer</i> (Schmutz)(Phleothripidae : Thysanoptera): <b>I.A. Raja</b> 359-362	Indian J. Applied and Pure Bio. Vol. 21(2006)	0970-2091	Yes /Peer	Nil	Yes
9.	Gonadal Development in female mosquito fish <i>Gambusia affinis</i> exposed to various levels of dietary protein. <b>I.A. Raja and K.M. Kulkarni.</b> 1168-1171,	Environment and ecology-24S (4) 2006	ISSN 097-0420	Yes /Peer reviewed	01	Yes
10.	Behavioural impairments in fresh water fish <i>Rasbora daniconius</i> exposed to heavy metal Copper. <b>I.A. Raja and K.M. Kulkarni.</b>	Journal of Aquatic Biology.Vo 1.22 (2)2007		Yes /Peer reviewed	01	Yes
11.	Tissue biochemical impairments in air breathing fresh water fish <i>Channa punctatus</i> exposed to hypoxia. <b>I.A. Raja and K.M. Kulkarni.:</b> 669-672,	Environment and Ecology.- Vol.26(2) (2008)	ISSN 097-0420	Yes /Peer reviewed	01	Yes
12.	Changes in total protein and some inorganic constituents of blood in <i>Rasbora daniconius</i> , exposed to Fenvalerate <b>A.P. Charjan ,I.A. Raja and K.M. Kulkarni</b> , 135-138,	. J. Aqua. Biol. Vol. 23 (2) 2008:		Peereviewed	02	Yes
13.	14. Some Changes in blood profile of fresh water fish <i>Rasbora daniconius</i>	Environment and	ISSN 097-	Yes /Peer reviewed	02	Yes

	exposed to Chloropyrifos. <b>I.A. Raja, A.P.Charjan and K.M. Kulkarni</b> 127-130,	ecology-27 (1) 2009.	0420			
14.	A survey on the lymphatic filarial (LF) cases of Amravati Region: <b>Archana.Mahakalkar,.Charjan.A.P, Sapkal.H.P, Raja.I.A Kulkarni.K.M</b> 106-109. Int j. Bioscience Biotechnology Research Communication	IJ BBRC‘Vol .2 (1) 2009	ISSN974-6455	Yes /Peer	05	No
15.	Screening of lymphatic filariasis by knott`s and Dec provocation test in Amravati region. <b>Archana.Mahakalkar,.Charjan.A.P, Sapkal.H.P, Raja.I.A Kulkarni.K.M</b> (359-362	Life science bulletin. 6(3)2009	ISSN.0973-5453	Yes /Peer	05	No
16.	Blood electrolytes alteration in Channa punctatus exposed to endosulfan. <b>Rina.S.Saha And I. A. Raja.</b> 1361-1364,	Environme nt and ecology-28 (2B) 2010.	ISSN 097-0420	Yes /Peer	01	yes
17.	Modulation In Glycogen Of The Freshwater Fish Ophiocephalus Punctatus Exposed To Cypermethrin <b>S. Gijare Shruti1*, I. A. Raja, V. T. Tantarpare And K. M. Kulkarni</b> 19. 129-130,	The Bioscan, 6(1) : 2011	(ISSN:0973-7049	Yes /Peer	04	No
18.	Lipid changes in the freshwater fish Ophiocephalus punctatus exposed to synthetic pyrethroid cypermethrin. <b>Shruti S. Gijare, I.A. Raja*, V.T. Tantarpare And K.M. Kulkarni**</b> (52-54) Biotechnology Research Communication	Int j. Bioscience ‘Vol. 4, No. 1, June, 2011	ISSN974-6455	Yes /Peer	04	No
19.	Chromosomal diversity in some common butterflies of family Hesperidae, from Akola district of Maharashtra <b>I. Ahmad. Raja and Hemant P. Sapkal</b> 173-1176. . Int j. Bioscience Biotechnology Research Communication	BBRC ‘Vol.4 (2) 2011	ISSN974-6455	Yes /Peer	01	yes
20.	Blood and electrolyte response in Clarias batrachus, exposed to Nitrogen pollution. <b>I. Ahmad.. Raja.and Hemant P. Sapkal</b> 219-222. Int j. Bioscience Biotechnology Research	BBRC ‘Vol.4 (2) 2011	ISSN974-6455	Yes /Peer	01	yes

	Communication						
21.	Anti natal care and maternal mortality in Akola ity. <b>S.R.Kohchale and Raja I. A.</b> : 103-104,	The Ecosphere 2 (1 and 2) 2011	ISSN.09 76-1578	Yes /Peer	01	No	
22.	Influence Of Cypermethrin On Liver Of The Freshwater Fish Ophiocephalus Punctatus <b>Shruti S. Gijare, I.A. Raja*, V.T. Tantarapale And K.M. Kulkarni**</b> 37-40	Poll Res. 31 (1) : (2012)	ISSN : 0257– 8050	Yes /Peer	04	No	
23.	Histopathology of ductus deferens in laboratory mice expose to Thiodan. <b>Raja I A*</b> Page 1-4.	ajbbonline.com Volume:1 Issue(1)e10 9	AJBB Online ISSN 2278-9537	Yes /Peer	Nil	Yes	
24.	Chromosomal diversity in butterflies of family Nymphalidae (Lepidoptera) from Katepurna wild life sanctuary (Maharashtra). <b>Rina.S.Saha And I. A. Raja.</b> 841-844.-	Environme nt and ecology- (30 (3B) Sep 2012-	ISSN 097-0420	Yes /Peer	01	yes	
25.	Nucleic acid and Sialic acid content in the Testes and accessory reproductive glands of male mice, exposed to Thiodan and Malathion. <b>I.A. Raja and K.M. Kulkarni</b> 868-871.-	. Environme nt and Ecology30 (3B) sep 2012-09-10	ISSN 097-0420	Yes /Peer	01	yes	
26.	Diversity and abundance of Dragonflies and Damsel flies Of Chatri Lake Region, in Pohara – Malkhed Reserve Forest, Amravati, Maharashtra (India). <b>N.A. Manwar, P.P. Rathod, I. Ahmad Raja</b> / pp.521-523 521 -International Journal of Engineering Research and Applications	(IJERA) Vol. 2, Issue 5, September- October 2012,	ISSN: 2248-9622 www.ije ra.com	Yes /Peer	02	No.	
27.	Toxicity of leaf extracts of <i>Jatropha curcas</i> and <i>Melia azedarch</i> to castor semi looper <i>Achaea janata</i> . (Notuidae:Lepidoptera). <b>I.A.Raja , Deepali M. Gawande and Sudhir R Kohchale.</b> The Ecotech.	4(2): 173-174.Sept 2012.	ISSN.09 74-9063	Yes /Peer	03	No.	
28.	Incidence of root knot nematodes on brinjal and tomato plants in Vidarbha region of Maharashtra. <b>I.A.Raja , Deepali M. Tathod and Sudhir R</b>	4(2): 181-184.Sept 2012.	ISSN.09 74-9063	Yes /Peer	Yes /Peer	No /Peer	No.



	Kohchale. The Ecotech					
29.	Insecticidal activities of locally available plants <i>Echhornis Crassipes</i> , <i>Vinca rosaea</i> and <i>Jatropha Gossypifolia</i> against Castor Semil ooper <i>Achaea janata</i> (Notuidae:Lepidoptera). I.A.Raja , Deepali M. Gawande and Sudhir R Kohchale. Indian Stream research Journal.		ISSN.22 30-7850  39..			
30.	Diversity and abundance of Dragonflies and Damselflies (Order-Odonata)Of Wadali Lake Region, in Pohara – Malkhed Reserve Forest. Maharashtra (India). N.A. Manwar, P.P. Rathod, I. A. Raja / Indian Stream research Journal. ISSN.2230-7850		ISSN.22 30-7850  39..			
31.	<b>Chemical changes induced by root knot nematode <i>Meloidogyne incognita</i> in brinjal. Deepali. M.Tathod and Raja. I.A.</b> Environment and Ecology	31(3A) 1586-1589 July.-sep 2013		Yes /Peer	02	No.
32.	Plant derived toxicants to control castor semiloopar <i>Achaea janata</i> (Noctuidae:Lepidoptera) Gwande deepali: Wasu Ygesh and Raja I. A..Asian Journal of biology and bitotechnology.	Volume-2 issue (2).e 214. AJBB Online .		Yes /Peer	03	No.
33.	Histochemical and biochemical changes induced by root knot nematode <i>Meloidogyne incognita</i> in brinjal. Deepali. M.Tathod and. I.Ahmad Raja. and S.B.Barhamankar	Journal plant diseases. 9(1) : 131- 133.2013		Yes /Peer	03	No.
34.	Histological studies <i>of M.incognita</i> infecting brinjal root. Deepali. M.Tathod and Raja. I.A. and S.B.Barhamankar.	Journal plant diseases.9( 1) : 115- 117.2013		Yes /Peer	03	No.
35.	. Preliminary survey on incidence of seasonal diseases in commercial crops of silkworms in Akola and Washim districts of Maharashtra. Rashmi. P. Joshi: I. A Raja, and A. P. Bagde. Int j. Bioscience Biotechnology Research	'Vol.4 (2) 173-1176. 2013		Yes /Peer	03	No.

	Communication					
36.	Influence Of Temperature Variation On Reproductive Attributes Of Zygomera Bicolorata (Coleoptera: Chrysomelidae) A Potential Biocontrol Agent Of Weed Parthenium Hystorophorus Rina Saha, Manoj Bangadkar and I. A. Raja. International Journal of Researches In Biosciences, Agriculture & Technology	May 2014 Issue-2, Volume-II ISSN No. (Online) 2347-517X		Yes /Peer	03	No.
37.	Assessment of Water Quality of Bhivapur Lake, in Pohara-Malkhed Reserve Forest, Maharashtra (India) With Reference to Some Physico-Chemical Properties. N. A. Manwar :L P. P. Rathod and I. A. Raja. Indian Journal Of Applied Research	Volume : 4   Issue : 5   May 2014   ISSN - 2249-555X		Yes /Peer	03	No.
38.	Total Haemocyte Count in Silkworms Bombyx Mori (Lepidoptera: Bombycidae) During Pathogenic Diseases in Akola District (Maharashtra) Rashmi P. Joshi, Raja. I. A. On line international interdisciplinary research journal	Vol IV / Issue VI / Page.No- 29-33;Nov- Dec 2014 / ISSN 2249-9598 [Full Text PDF]		Yes /Peer	02	No.
39.	Effects of temperature variation on reproductive behavior of Zyggogramma biocularata: A potential biocontrol agent of parthenium hystarophorous. Rina Saha : Manoj Bangadkar and I.A Raja. Journal of soil and crop .	Vol-25-(2) - Dec.15.(Ac cepted)		Yes /Peer	03	No.

## ii. Full Papers In Conference Proceedings.

Sr. No	Title with page nos.	Details of Conference Publication	ISSN / ISBN No.	No. of coauthors	are you the main author
1.	Haemolymph content of Achaeanata, Castor semilooper Moth, larvae exposed to Neem extract, a	In the proceedings of international conference on environmental biology		2	Yes

	biopesticide. Gawande Deepali, R.S, Saha, and Raja. I A..pg. 71-73.	and biodiversity, At Innani college Karanja lad. 3-4, Feb 2011			
2.	Histometry of testes and accessory reproductive glands of mice exposed to Thiodan and Malathion.. P.No 32-36	Proceedings of 2012 National conference on bioscience. 27-28 July 2012.	ISBN:978-81-922866-1-7	Nil	Yes
3.	Epididymal sperm density and morphology in mouse exposed to Thiodan and Malathion. A.J.Rathi, and I. A.Raja.	Proceeding of UGC Sponsored National Conference on Innovative Trends in Biological sciences research. 8th and 9th September, 12.	ISBN:978-81-923621-0-6,	01	yes
4.	Mating behavior and parental care in mycophagous Thrips Elaphrothrips procer(Schumtz)(Thysanoptera: Phlaeothripidae). S.M.Nagrle and I. A.Raja. Pg 195-198	Same AS Above	Same AS Above	01	No
5.	Toxicity of Metal oxide Nanoparticles in Mammalian cells. S.S.Dhande, R.G.Rathod, and I.A. Raja. Pg 614-617	Same AS Above	Same AS Above	02	No
6.	Morphology of red blood cells in Sickle Cell Anaemic patients, A hospityal based study from Gadchiroli district(Maharashtra) S.R.Kohchale, A.J.Rathi, and I. A.Raja. Pg. 184-185	Same AS Above	Same AS Above	02	No
7.	Climatic factor Temperature in relation to survival and mortality, of agriculture insect pest in laboratory conditions. I. A. Raja, in Proceeding of ISBN	UGC Sponsored interdisciplinary Seminar on Impact of climate change on agriculture production in India, 6th Oct. 2012.	ISBN 978-93-82414-04-9.	Nil	No
8.	Diversity and abundance of Dragonflies and Damselflies (Order-Odonata) in and around Akola city. Maharashtra (India). P.P. Rathod, N.A. Manwar, and I. A. Raja /	In Proceedings of "National conference on Advances in Life sciences Present and Future_ AILSPF-8 Jan. 2013".			

9.	41. Observation on behaviour in mycophagous <i>Elaphrothrips procer</i> (Thysanoptera:Phlaeothripidae).S.M.Nagrle and I.A.Raja.	In Proceedings of “National conference on Advances in Life sciences Present and Future_ AILSPF-8 jan. 2013”.			

**iii. Chapters/Articles / Chapters published in Books.**

Sr. No	Title with page nos.	Book Title, editor & publisher	ISSN / ISBN No.	Whether peer reviewed Impact Factor, If any	No. of coauthors	Whether you are the main author
1	Effects on nucleic acid contents of muscles in the starved mosquito fish <u>Gambusia affinis</u> . Article-2007	Advances in Aquatic Ecology) Daya pubn, House.Tri Ngr Delhi	ISBN No81 - 7035-483-8	A Book	01	Yes

**iv) Books Published as single Author or as Editor.**

Sr. No	Title with page nos.	Type of Book & Authorship	Publisher ISSN / ISBN No.	Whether peer reviewed	No. of Co authors	Whether you are the main author
1	A text book of evolution (Co author)	Text book	Sanket publisher. Washim 2008	No	04	
2	Editor ship- Proceeding of UGC Sponsored National Conference on Innovative Trends in Biological sciences research	Proceedings /	ISBN:978-81-923621-0-6		6	No

#### 14. Seminars/ Conferences/ Symposia/

##### a. Organization:

Organized a UGC sponsored National conference on innovative research trends in biological sciences, 8<sup>th</sup> and 9<sup>th</sup> Sept 2012, as convener.

Worked 08times, on organizing committee for International Conference (2Times)national conferences and symposia(6Times).

##### B. Active participation in Conferences/Symposia/ seminar/ meets/ with paper:

Title of the paper presented	Title of Conference /seminar	Organized By	Level
1. Histological studies and their recovery studies in the fish <u>Channa orientlis</u> , exposed to Fertilizers.	National Conference cum Workshop on wet land conservation problems prospects and challenges in next millennium. 23-25 OCT, 1999.	R A College. Washim/ UGC	National
2. Pesticidal impact on the sperm velocity of the laboratory mice.	National Conference on Management innovation for conservation of fresh water resources, forest and wild life with special emphasis on tribal areas. 2-3 Dec, 2002..	G.S Gawande College Umarkhed. UGC.2002	National
3. Some biochemical change in the testes associated with drug induced hyperglycaemia in the Mice. One paper by Co Author Tissue protease activity in the freshwater fish <u>Rasbora daniconius</u> exposed to toxicants.	National symposium on recent trends in biology and biotechnology and 23 <sup>rd</sup> annual session of the academy of environmental biology,.. 9-11 OCT,	At Shivaji university Kolhapur /UGC	National

<p>4. Laboratory screening of some orgtansynthetic insecticides against third instar larvae of fruit Sucking Moth, <u>Othereis materna</u>.</p> <p>One paper by Co Author. An efficiency of ovaprim on pituitary gonadal axis in Non Cyprinid fish <u>Clarias batrachas</u>.</p>	<p>National symposium on Biodiversity, Biotechnology and environmental toxicology in the new millennium ‘‘ 24<sup>th</sup> and Annual session of the Academy of Environmental Biology, Lukhnow. , 22,24/ 11/ 2004/</p>	<p>Institute of Science, Mumbai. UGC-</p>	<p>National</p>
<p>5. Effects of body size and hunger level on the fighting behaviour in fungivorous thripsm <u>Elaphjrothrips Procer</u>.</p>	<p>25<sup>th</sup> Annual session of the academy of environmental biology, Recent trends in Environmental biology and biotechnology approach to conserve Biodiversity held from. 22to 24 October2005</p>	<p>Gulbarba University. Gulbarga./ UGC</p>	<p>National</p>
<p>6.Effects of dietary iron deficiency in fresh water fish <u>Rasbora danicouins</u></p> <p>7. Histopathology of ductus deferens in the laboratory mice exosed to organochlorine pesticide.</p>	<p>VII South Asian symposium on Odonatology and recent trends in Zoology, Organized by 9-11/ 01/ 06/</p>	<p>Hislop college Nagpur . UGC</p>	<p>International</p>
<p>8. Effects of food deprivation on some physiological conditions of the mosquito fish <u>Gambusia affinis</u>.</p>	<p>National symposium on recent trends in life sciences . Dec 1-2. 2006.</p>	<p>SPK mahavidyalaya Sawantwadi. University of Mumbai and UGC</p>	<p>National</p>
<p>9. Structure of ovary in fungivorous thrips <u>Elaphrothrips procer</u>.</p>	<p>National conference on ‘‘Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation:- 28-30, 1/2007</p>	<p>Shri Shivaji Science College, Amravati/ UGC</p>	<p>National</p>
<p>10. Phylogenetic analysis of epitopes sequences of Dengu Subtypes from retrived sequences.</p>	<p>National conference on ‘‘Biotechnology and conservation of Natural resources’’:- . 11, 12/1/2008</p>	<p>G. S. Gawande college, Umarched /IAAB Hyderabad</p>	<p>National</p>

11. Diversity and abundance of Dragonflies in Akola district, Maharashtra (India).	International symposium on Odonatology,4-8/11/08	Hislop college Nagpur / 17-	InterNational
12. Screening of Thalassemia in Amravati Region.  Two Papers by co Authors.	International Conference on "Advances in Biosciences:From Darwin to Dolly and Beyond:-	Yashwant Mahavidyalaya, Nanded/ 12-14/2/2009 <b>DST/UGC</b>	InterNational
13. Histopathology of ductus deferens in the laboratory mice exposed to organ chlorine pesticide.	National Seminar on Recent trends in science and technology held at	Nagaji Institute of technology and management, Gwalior. Sept30th and Oct.1, 2009	National
14. Diversity of insect thrips and its host specificity.  One paper by Co-author	National Seminar on "Biodiversity and its Conservation : Need of the day. :-	Shri Shivaji College, Akot /UGC-2011	National
15. Pesticidal effects of chelating agents against metal toxicity on Biochemistry of <u>Cahanna punctatus</u>  By co-author: Some haematological aspects of <u>Clarias batrachas</u> from ploouted water of Morna river in Akola city.	National symposium on invertebrate for biomonitoring ecosystem.	Hislop college Nagpur / 17-18/1/2011 <b>UGC Sponsored</b>	National
16. Toxicity study of plant derived toxicants to castor oil semi looper <u>Acahea janata</u> .  Two papers by co-authors	.National conference on advances in life sciences for sustainable development	at S.Khandelwal college Akola. 11,12/ 10/11	National
17. Biochemical changes in the heavily infected pre spinning silkworms.  One paper by co author.	National level symposium on Innovation in biosciences.	<b>UGC Sponsored</b> . At R A College Washim./ 14-15/10/11/	National

18. Checklist of birds of Akola city.	State level pakshi mitra sammelan. PKV, Akola.	pakshi mitra sanghatna 16/10/11	State
19. Histometry of testes and accessory reproductive glands of mice exposed to Thiodan and Malathion.	National level conference on Recent trends in biosciences..	<b>UGC Sponsored</b> G.S.College. Khamgaon	National
20.Epididymal sperm density and morphology in mouse exposed to Thiodan and Malathion	National Conference on Innovative Trends in Biological sciences research.8 <sup>th</sup> and 9 <sup>th</sup> September,12.	At Shri Shivaji College Akola. <b>UGC Sponsored</b>	National
21. Climatic factor Temperature in relation to survival and mortality, of agriculture insect pest in laboratory conditions. Published in Proceedings.	National level seminar on Impact of climate change on Agriculture production in India..	<b>UGC Sponsored/</b> At Shri Shivaji College Akola. 6/10/12/	National
22. Histomorpholoical Aspects Of Neurosecretory Network In Central Nervous System Of Lone Star Tick.	International Conference on comparative endocrinology and physiology	Dept of Zoology RSTM Nagpur university.oct 13	InterNational



.23. Histometeery of testes and accessory reproductive glands of mice exposed to thiodan and malathion.	Ist international congress on science and technology for society with theme Sustainable biiodiversity7 conservation through technological and social approaches.	<b>International journal of researches in biosciences , Agriculture and technology of Vishwashanti Multipurpose society napure India at bankoc\k Thiland 23-25/05/14</b>	<b>InterNational</b>
24. Territorial behaviour copulation and oviposition of <u>Brachythemis contaminata</u> (Odonata, Lebillulidae)	The 8 <sup>th</sup> Indian symposium of odonatology and tropical biodiversity,	Hislop college Nagpur / 17-18/08/2014 <b>UGC Sponsored</b>	<b>Ntional</b>

**c. Conferences/Symposia/ seminar/ meets/ participation without paper:**

Name, place and year	Level	Role	Date/Year
1. Regional level workshop on curriculum designing in Zoology and Botany with special reference to UGC guidelines. 2 Feb, 2003. Jijamata College Buldhana.	University	Participation	2003

2. Teachers training workshop.12-14 Jan, 2004. Nagpur WWF for nature, India. Nagpur divisional office.	Regional	Participation	2004
3. UGC Sponsored University level workshop on Constraints in teaching of new UGC syllabi in zoology and microbiology held at , Sh. Shivaji College of arts, Commerce and Science , Chikhali Dist. Buldana .	University	participation	16/10/04 UGC
4. Entrepreneurships awareness camp.	Regional	Mitcon consultancy Pune.	27, 28/9/06
5. Woman conference:- Shivaji College, Akola	Regional	Participation	2007
6. State level conference on Environment :- Shri Shivaji college, Akola	State.	Participation	2007
7. Development and implementation of Question bank. By SGB Amravati University Amravati .	University		30/31/3/08
8. National Seminar on Current Trends In Chemical Sciences Research Shri Shivaji College, Akola	National	Participation	2008

9. National workshop on Lonar Lake Conservation and development, held at Date.	National	Participation	12/07/2008
10. Importance of innovative practices in Higher Education. By. Kesharbai Lahoti Mahavidyalaya. Amravati.	State	Participation	10, 11,/09
11. National Conference on “Biotechnology for Better Tomorrow”:- Shri Shivaji College, Akola	National	Advisor committee /Participation	2010
12. State level seminar on Recent trends in global environment	State level	Inaugurator /and Chair the poster session	2011
13. Workshop on “Role of Teacher for Quality Education with Reference to Sixth Pay Commission”:- Shri Shivaji College , Akola. ..	College level	participation	2011
14. State level work shop on Research methodology in science. S.Khandelwal college Akola	State	participation	26/2/2011
15. NSS Disaster management work shop. Shri Shivaji College Akola.	District	Participation	22/10/12

16. National symposium cum workshop on spiders from agro ecosystem.	National	Participation	1-4/12/12
15 State level seminar cum workshop on integration of computer assisted learning resources in animal experiments.SRTmarathwada university Nanded.	state	Participation	22-23/02/2013
16. 26 <sup>th</sup> Maharashtra pakshi mitra Sammelan Amravati.	State	Participation	13/01/13
Workshop on the role of internal quality assurance cell for the sustenance and enhancement of quality in higher education	Local	Participation	8/9/13
National symposium cum workshop on diversity of spiders with special reference to Taxonomy and molecular systematic. At Shankarlal khandelwal college. Akola.	National	Participation	26-29 Oct 2014.

### 15. Research Projects sanctioned.

Title of the project	funding agency	Type/Duration	Remarks
<i>“Study of haplotypes in some ethnic groups with homozygous b-thalassemia from Vidarbha region (MS).”</i>	UGC	Major/ 03 Years	Working as Co- Investigator

<i>Haematocytotoxicity of heavy metals copper and Zinc in fresh water air breathing fish Channa punctatus.</i> ( Minor-Co Investigator)	UGC	2yrs	Working as Co-Investigator
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### 16. Invited Talk Delivered:

#### 17.

Topic of speech	Event/ location	Date/Year
1. Biodiversity conservation	One day students work shop organized by SGB Amravati uni- Adult and cont-edu and extn services and RLT college Akola.	31/1/08
2. Importance of science forum	Inauguration of Students association of biological sciences, at R A college of Washim.	12/2/08
3. Mitochondrial DNA diseases	Refresher course In life sciences, at SGB Amravati university	19/03/10
4. Global warming	NSS camp At	2009
5. Wild Life Conservation	NSS camp at Gandhi gram	2010
6. Poster presentation Techniques	State level seminar for students at Shivaji College Akot.	8/1/11
7. Infectious diseases	NSS camp At Ugwa	18/12/11
8. Advances in IT	Student workshop on Information technology SS college Akola	16/1/12
9. Disaster management	Student workshop At SS college Akola	Oct. 2012

#### 18. Organisation of Extension activities/ consultancy/ community works

Coordinated the departmental Zoological society and Green planet nature club and undertook following activities.

- a. Campus Polythene cleanliness drives,
- b. Observation of international ozone preservation day,
- c. Tree plantation,

- d. Scientific celebration of “Nagpanchami,
- e. Active celebration of wild life week in collaboration with district Dy. Conservator of Forest,(wild life)
- f. Bird watching and census, for the forest officials.
- g. Organized Observation of No Vehicle day for the college,
- h. Release of guppy fishes in the rainy ponds to control mosquitoes’ larvae,
- i. Rangoli Exhibition on nature conservation.
- j. Display of environment related news articles through wall magazine,  
Along with these,
- k. Celebration of sickle cell anaemia week,
- l. organization of Special guest lectures, on the advancement in the subject and local burning problems for the benefit of the students and faculty,
- m. Regular field trips to the nearby forest are other extension activities

**19. Membership/ participation in Activities of national development:-**

- a. Working on editorial board of International journal of Biosci. Biotech. Res. Comm. Bhopal, a peer reviewed journal Frequency : Six Monthly (June & Dec) Published By : Society for Science and Nature ISSN: 0974-6455
- b. A member on Asian journal of Biology and Biotechnology. . AJBB Online : ISSN 2278-9537
- c. Life member:
  - Nagpur University Teachers Association, (NUTA)
  - Indian Association of Aquatic Biologist, Hyderabad.
  - Indian Academy of Environmental Science, Lukhnow.
  - Urdu education society, Akola.
  - Environment conservation society Amravati
- d. Ex Member,
  - Bombay Natural History Society.
  - Advisory committee on Katepurna, sanctuary Akola.