

**Shri Shivaji College of Arts, Commerce and Science, Akola
Department Profile**

1. **Name of the Department** : Mathematics
2. **Year of Establishment** : UG - 1967
3. **Details of the staff members** :

S. N	Name of the Faculty members	Educational Qualifications	Designation	Experience		Specialization
				Teaching	Research	
1	Dr. A. M. Metkar	M. Sc., B. Ed., M. Phil., Ph.D.	Assistant Professor	14	06	Relativity
2	Ku. M. T. Sarode	M. Sc., B. Ed., M. Phil., NET	Assistant Professor	05	01	Functional Analysis

4. Student Profile to Program (Ratio of Teachers to students):

Year	Class	Boys	Girls	Total	Grand Total	Ratio
2009-2010	B. Sc. I	32	13	45	108	1:54
	B. Sc. II	17	17	34		
	B. Sc. III	14	15	29		
2010-2011	B. Sc. I	19	25	44	97	1:49
	B. Sc. II	18	08	26		
	B. Sc. III	15	12	27		
2011-2012	B. Sc. I	56	18	74	148	1:74
	B. Sc. II	19	20	39		
	B. Sc. III	22	13	35		
2012-2013	B. Sc. I	58	20	78	145	1:73
	B. Sc. II	37	14	51		
	B. Sc. III	04	12	16		
2013-14	B. Sc. I	78	43	121	207	1:104
	B. Sc. II	33	17	50		
	B. Sc. III	21	15	36		

5. Success rate of each program, its comparison with University results.

Year	Class	Boys	Girls	Total	Percentage	Uni. Result
2009-2010	B. Sc. I	32	13	45	21.42%	27.00%
	B. Sc. II	17	17	34	40.62%	35.62%
	B. Sc. III	14	15	29	61.53%	49.00%
2010-2011	B. Sc. I(Seme. I) (Seme.II)	19	25	44	47.61% 43.90%	28.00% ---
	B. Sc. II	18	08	26	36.36%	26.98%
	B. Sc. III	15	12	27	52.00%	39.00%
2011-2012	B. Sc. I (Seme. I) (Seme.II)	56	18	74	45.31% 54.24%	---
	B. Sc. II (Seme. III) (Seme. IV)	19	20	39	43.75% 50.00%	---
	B. Sc. III	22	13	35	43.75%	35.00%
2012-2013	B. Sc. I (Seme. I) (Seme.II)	58	20	78	48.10% 50.00%	---
	B. Sc. II (Seme. III) (Seme. IV)	37	14	51	40.43% 76.19%	---
	B. Sc. III (Seme. V) (Seme. VI)	04	12	16	93.33% 100%	---

6. Success rate of each program, its comparison with University results

Program	2009-10	2010-11	2011-12	2012-13
B.Sc. I	21.42%	(Sem. I) 47.61% (Sem. II) 43.90%	(Sem. I) 45.31% (Sem. II) 54.24%	(Sem. I) 48.10% (Sem. II) 50.00%
Uni. result	27.00%	28.00%	---	---
B.Sc. II	40.62%	36.36%	(Sem. III)43.75% (Sem. IV)50.00%	(Sem. III) 40.43% (Sem. IV) 76.19%
Uni. Result	35.62%	26.98%	35.00%	---
B.Sc. III	61.53%	52.00%	43.75%	(Sem. V) 93.33% (Sem. VI) 100%
Uni. result	49.00%	39.00%	33.00%	---

7. No. of faculty members on University Bodies and other academic bodies and social organizations.

Their role in curriculum designing and college development.

- The syllabus of the UG is designed by Board of Studies in

Mathematics, Sant Gadge Baba Amravati University, Amravati. The syllabus is constructed mainly by following the model syllabus of UGC and also by considering the syllabus of NET/SET and MPSC. The syllabus of UG was revised in 2003-04 consecutively.

- One of the faculty member Dr. A. M. Metkar, HOD is a member of Board of Studies in the subject Mathematics had an active contribution in reframing the syllabus. Also he takes part in suggesting deletion and addition of articles in the syllabus as per the requirement. He suggested to implement the internal evaluation system in the subject.
- Dr. A. M. Metkar, member of Board of studies in SGB Amravati University, Amravati takes part in the decisions made by board of studies from time to time. Both the faculty members of the department actively participate in setting of questions papers, valuation and moderation activities conducted by SGB Amravati University, Amravati.
- Faculty member Dr. A. M. Metkar is member of Board of Studies in Mathematics (2012-2017).

8. Learning resources of the Department (Laboratories/Computers/Internet/Department library etc.)

- The department has a departmental library with nearly 90 titles. A Collection of research papers on the subject relativity is also kept in the departmental library. The department has one Magazine “The Mathematical Intelligencer”, published by Springer and Journal “Mathematics Newsletter” published by Ramanujan Mathematical Society. The department also provide paperwise & unitwise notes to the students as per prescribed syllabus. The set of University question papers are also kept in the departmental library. One personal computer with HP laserjet p1008 printer having internet broad band facility is provided for the staff and research students.
- The learning resources related to the department are mainly Teachers, Library, Internet, Departmental Library.

9. Enhancement of the resources during last five years.

- The department was established in 1967 with Degree Course B. Sc. having Optionals Physics, Chemistry and Mathematics. In the Starting, Mr. K. M. More was Head of the Department and Mr. Marathe was the second faculty member.
- Initially upto 2006-07 the Department was in very small space of about 75 sq. ft. area but from October 2007, the Department is transferred in the new location on the western side of the college in the Shatapdi Building at ground floor with spacious area of 450 sq. ft.
- Further furniture is added like Almira (three no.), Table (Two), Chairs, High quality display boards (no. three), Dust free teaching board, Personal Computer with Broad Band Connectivity etc.
- In 2004-05 only one faculty member Mr. A. M. Metkar was full time in the department. The remaining workload was completed on CHB basis.

He has gone under FDP XIth plan from 2004 to 2006. Another faculty member Dr. H. R. Ghate has been transferred from Jijamata Mahavidyalaya, Buldana to Shri Shivaji College, Akola and joined duties in this college on 9 October, 2007. So meanwhile from 2005 to 2007 the complete workload of the department was conducted on CHB basis. But after 2007 onwards, we are proud to said that both the faculty members of the department are with Doctor's degree. In Oct. 2010, faculty member Dr. H. R. Ghate has been transferred to Chikhli . From Nov. 2010 to Feb. 2012 the workload of Dr. H. R. Ghate was distributed among CHB lecturers. In March 2012, Miss M. T. Sarode joined as one of the faculty member in the Department.

- The departmental library is developed from the funds of minor research projects of both staff members by taking titles of around (Rs. 20,000/- + Rs. 20,000/-) along with the text books to the faculty members. The department is using OHP and LCD projector for delivering the lectures. Visiting lectures of eminent persons are arranged for the students.

10. Modern Teaching Methods:

- Other than lecture method, the department is making use of OHP and LCD projectors wherever possible. Also the students facilitates to use OHP and LCD projectors for delivering their seminars. Apart from unit tests and college test, frequent tests are taken on the articles taught in the classroom so that students study that articles. Assignments are given on the subject by staff members. Seminars are arranged to increase their confidence in the subject.

11. Faculty members participated in National and International Conferences / Workshops / Seminars etc.

Dr. A. M. Metkar

Sr. No.	Conference / Symposium / Seminar/ Workshop	Duration From To	Institute / Collage / University where the course is organised
(1)	National Symposium on Mathematical Sciences	1 to 5 March 2001	Post Graduate Department of Mathematics, Nagpur University, Nagpur
(2)	State Level Seminar on Recent Trends in Mathematics	5 to 6 March 2002	Post Graduate Department of Mathematics, Nagpur University, Nagpur
(3)	One Day University Level Workshop on New Syllabi of Mathematics	14th September 2003	Organised by Amravati University Teachers association & Brijlala Biyani Mahavidyalaya, Amravati
(4)	National Seminar on Recent Advances in Mathematical Physics	4 th January, 2004	Bhartiya Shikshan Sanstha, Shri Dnyanesh Mahavidyalaya, Nawargaon (Dist. Chandrapur)

(5)	National Seminar on Recent Advance in Applied Mathematics	1 st July, 2004	Department of Applied Mathematics, Andhra University, Vishakhapattam (A.P.)
(6)	National Seminar on Recent Trands in Mathematics & its Applications	24 to 26, 2004	Department of Mathematics, Govt. P. G. College, Dhamtari (Chhatisgarh)
(7)	National Seminar on theory of Relativity	21 st August, 2004	Post Graduate Teaching Department of Mathematics, Nagpur University, Nagpur
(8)	Workshop on Mathematica	15 to 16 October 2004	Department of Mathematics, Shri Sant Gajanan Maharaj Collage of Engineering, shegaon.
(9)	International Conference on Relativity ICR-2005	11 to 14 January 2005	Post Graduate Department of Mathematics, Amravati University, Amravati
(10)	Functional English	22 to 23 September, 2005	Botanical Society, GVISH, Amravati.
(11)	Interdisciplinary National Conference on Einstein's Theory of Relativity	9 to 10 December, 2005	Sir Parshurambhaun College, Pune
(12)	National Seminar on Recent Advance Physics & Mathematics	28 th January, 2006	Department of Physics, Electronics & mathematics, L. A. D. & Smt. R. P. College for Women, Nagpur
(13)	Workshop on Latex	5 to 7 March, 2007	Departement of Mathematics, RTM Nagpur University, Nagpur
(14)	National Seminar on Current Trends in Chemical Sciences Research	28 th March, 2008	Shri Shivaji College of Arts, Commerce & Science, Akola
(15)	The Relevance of Dr. Babasaheb Ambedkar's Philosophy in the 21 st Century of India	31 st March, 2008	Shri Shivaji College of Arts, Commerce & Science, Akola
(16)	State level seminar on recent trends in teaching basics and applied sciences	3 rd January, 2009	Phulsing Naik Mahavidyalaya, Pusad
(17)	State Level Seminar on Recent Trends in Mathematics & Their Applications	21 st March, 2009	Sardar Patel Mahavidyalaya, Chandrapur
(18)	National Seminar on Information Technology enabled Services-2009	11 th April, 2009	Shri Shivaji College of Arts, Commerce & Science, Akola
(19)	Total Solar Eclipse-09 Workshop	13 th & 14 th June, 2009	Post Graduate Department of Mathematics, Amravati University, Amravati
(20)	National Conference on Recent Trends in Mathematics	18 th & 19 th Sept. 2009	GVISH, Amravati

(21)	UGC Sponsored National Seminar on Dr B. R. Ambedkar's Economic Philosophy and Indian Economic Policy in the Global Scenario	24 th Oct. 2009	organized by Dr B. A. Studies Centre of Shri Shivaji College, Akola and Shri Shivaji College of Arts, Commerce and Science, Akola
(22)	UGC Sponsored State Seminar Level on Recent Developments in Relativity	18 th Dec. 2009	Department of Mathematics, Mahatma Fule Arts, Comm. And Sitaramji Chaudhari Science College, Warud
(23)	UGC Sponsored State Seminar Level on Expanding Wings of Mathematics in the Field of Science and Social Sciences,	4 th Jan. 2010	Department of Mathematics, R. L. T. College, Akola
(24)	UGC Sponsored National Conference on Recent Trends in Mathematics and it's Application in Astronomy	27 th ,28 th Feb. 2010	Department of Mathematics, Mungasaji Maharaj Mahavidyalaya Darwaha
(25)	UGC Sponsored National Level Conference on Developing Frontiers of Physics, Astronomy and Space Sciences organized	24 th & 25 th Sept. 2010	Dept. of Phy. And Maths, R. L. T. College, Akola
(26)	State Level Workshop on Research Methodologies in Science	26 th Feb. 2011	Faculty of science Shankarlal Khandelwal Art, Science and Commerce College, Akola
(27)	UGC Sponsored National Seminar on Mahatma Gandhi and Pt. Jawaharlal Nehru's thoughts on socio-economic and political issues	28 th Feb. 2011	Shri Shivaji College of Arts, Commerce and Science, Akola
(28)	One Day District Level Workshop on Role of Teacher for Quality Education with Reference to Sixth Pay Commission	10 th April 2011	Shri Shivaji College of Arts, Commerce and Science, Akola
(29)	Reginal Level Interdisciplinary Workshop on Research Methodology	30 th Dec. 2011	Takshashila Mahavidyalaya, Amravati
(30)	Interdisciplinary International Conference on Dr. Babasaheb Ambedkar's Buddhism and Emancipatory Potential	27 th and 28 th Jan. 2012	Dr. Babasaheb Ambedkar Studies Centre, Shri Shivaji College of Arts, Commerce and Science, Akola
(31)	Workshop on Sant Gadge Baba's Dashasutri and Rashtrasant Tukdoji Maharj's Gramgeeta	7 th Feb. 2012	R. L. T. Science College, Akola
(32)	UGC Sponsored National Conference on Innovative Research Trends in Biological Sciences	8 th & 9 th Sept. 2012	Shri Shivaji College of Arts, Commerce and Science, Akola

(33)	Interdisciplinary International Conference on "Relevance of Dr. Babasaheb Ambedkar, Mahatma Gandhi & Pandit Nehru's Ideology in the present scenario"	29 th & 30 th October 2012	Shri Shivaji College of Arts, Commerce & Science, Akola
(34)	International Conference on Mathematical Sciences	28-31 Dec 2012	Shri Shivaji Science College, Nagpur
(35)	Symposium on Number Theory and Related Topics	15 th & 16 th January 2013	Shantaram Janorkar Foundation of Mathematics, Mahan, Tq. Barshitakli, Dist. Akola
(36)	National Conference on Mathematical Sciences NCMS-2013	18 th & 19 th January 2013	Shri. Dr. R.G. Rathod Arts & Science College, Murtizapur

Attendance in University Level Students Seminar:

Sr. No.	Name of the Seminar	Date	Place & Name of the sponsoring College
1	University Level seminar for Mathematics Students	1st February 2003	R. A. Arts, Shri S. K. Rathi Science Collage Washim.
2	University Level Seminar for Mathematics Students	9 th October 2005	Organised by Sant Gadge Baba Amravati University Teachers Association & Jagdamba Mahavidyalaya, Achalpur
3	University Level Seminar for Mathematics Students	17 th Dec 2009	Department of Mathematics, Mahatma Fule Arts, Comm. And Sitaramji Chaudhari Science College, Warud
4	University Level Seminar for Mathematics Students	22nd January 2011	Department of Mathematics, Bharatiya Mahavidyalaya, Amravati
5	University Level Seminar for Mathematics Students	22nd December 2012	Organised by Sant Gadge Baba Amravati University Teachers Association & Shri Shivaji College, Akot

Miss. M. T. Sarode:

Sr. No.	Conference / Symposium / Seminar / Workshop	Duration From To	Institute / Collage / University where the course is organised
(i)	State Level Seminar on "Expanding Wings of Mathematics in the field of Science & Social Sciences"	4 th January 2010	Shri R.L.T. College of Science, Akola
(ii)	National Level Conference on "Developing Frontiers of Physics, Astronomy & Space Sciences"	24 th & 25 th September 2010	Shri R.L.T. College of Science, Akola

(iii)	Interdisciplinary National Seminar on "Impact of Climate Change on Agriculture Production in India"	6 th October 2012	Shri Shivaji College of Arts, Commerce & Science, Akola
(iv)	Interdisciplinary International Conference on "Relevance of Dr. Babasaheb Ambedkar, Mahatma Gandhi & Pandit Nehru's Ideology in the present scenario"	29 th & 30 th October 2012	Shri Shivaji College of Arts, Commerce & Science, Akola
(v)	Symposium on Number Theory and Related Topics	15 th & 16 th January 2013	Shantaram Janorkar Foundation of Mathematics, Mahan, Tq. Barshitakli, Dist. Akola
(vii)	National Conference on Mathematical Sciences NCMS-2013	18 th & 19 th January 2013	Shri. Dr. R.G.Rathod Arts & Science College, Murtizapur
(viii)	University Level Research Oriented Workshop	9 th & 10 th February 2013	Department of Mathematics, Amravati University, Amravati & S.G.B.A.U. Mathematics Teachers Association, Amravati

Attendance in University Level Students Seminar:

Sr. No.	Name of the Seminar	Date	Place & Name of the sponsoring College
1	University Level Seminar for Mathematics Students	22 nd Dec 2012	Organised by Sant Gadge Baba Amravati University Teachers Association & Shri Shivaji College, Akot

12. Evaluation Process:

- The students are continuously assessed through frequently taking tests, unit tests, Annual college Examinations, seminar, and personal observation regarding their academic performance. Also by asking questions on the conceptual parts. By giving assignments to the students.

13. Participation of teachers in academic activities other than teaching and research:

Dr. A. M. Metkar

- Co-ordinator , Feedback Committee
- Member, Cycle Stand Committee
- Member, Examination Committee
- Member, Prize Distribution Committee
- Member, Admission Committee
- Member, Criterion V Governance & Leadership Committee

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- Member, Admission Committee
 - Member, Cultural Committee
 - Member, NSS
 - Member, Staff & Girls common room
 - Member, Teaching aid committee
- The teachers participates in co-curricular and extra curricular activities of the college and worked in the organization committees of several activities like conferences, youth festivals and sport meets etc. as per the requirement.
 - Dr. A. M. Metkar, member of Board of studies in SGB Amravati University, Amravati take part in the decisions made by board of studies from time to time. He is also member of subject examination committee in Mathematics, SGB Amravati University, Amravati. Both the faculty members of the department actively participate in setting of questions papers, valuation and moderation activities conducted by SGB Amravati University, Amravati.
 - Both the faculty members of the department actively participate in setting, valuation, Invigilation programme of college examination and attend the difficulties of the students.

14. Research activities:**(A) Research Papers published :****Dr. A. M. Metkar**

Sr. No.	Title with page nos.	Journal	ISSN /ISBN No.
1	Plane gravitational waves in four dimensional space time for $Z = \frac{\sqrt{3}t}{x+y+z}$ P. No. 18 - 20	Science Journal of GVISH, Vol. I, Feb. 2004.	--
2	Plane gravitational waves in four dimensional space time for $Z = \frac{x+y+z}{\sqrt{3}} - t$ P. No. 1 - 3	Science Journal of GVISH, Vol. I, Feb. 2004	--
3	The coordinate system in which $g_{\alpha\alpha} = 0$, for the plane gravitational waves for $Z = (z - t)$ and $Z = (t / z)$ types in six dimension P. No. 855 - 860	Acta Ciencia Indica, Vol. XXXI M, No. 3, 2005	ISSN No. 0970 - 0455
4	Plane gravitational waves $g_{ij}(Z)$ of the Einstein's field equation for $Z = \frac{x+y+z}{\sqrt{3}} - t$ P. No. 217 - 220	Bulletin of Pure and Applied Sciences, Vol. 24E, No. 1, 2005	ISSN No. 0970 - 6577
5	Plane symmetric inhomogeneous models in presence of massive scalar field and perfect fluid distribution in general relativity P. No. 25 - 29	ARJPS, Vol., 9, No 1 – 2, 2006	ISSN No. 0972 - 2432

6	The coordinate system in which $g_{\alpha\alpha} = 0$, for the plane gravitational waves for $Z = (z - t)$ and $Z = (t / z)$ type P. No. 263 - 267	Applied Science Periodical Vol. VIII, No 4, Nov. 2006	ISSN No. 0972 - 5504
7	Plane wave solution of Einstein – Maxwell equation with the coexistence of null fluids and null currents P. No. 619 - 623	Acta Ciencia Indica, Vol. XXXII M, No. 2, 2005	ISSN No. 0970 - 0455
8	Plane gravitational waves of $Z = (t / z)$ types of weakened field equations in general relativity P. No. 425 - 432	Bulletin of Calcutta Mathematical Society, 99, (4), 2007	ISSN No. 0970 - 8596
9	Some properties of purely plane gravitational waves g_{ij} P. No. 7 - 12	Bulletin of Calcutta Mathematical Society, Vol. 30, No. 1 – 3, 2007	ISSN No. 0970 - 8596
10	Non-existence of plane gravitational waves with massive meson complex scalar waves and coupled with electromagnetic waves P. No.	Mathematical Education in Vol. XLI, No. 3, Sept. 2007	ISSN No. 0047 - 6269
11	Some geometrical aspects of the plane symmetric space - time P. No.	Applied Science Periodical Vol. XI, No. 3, Aug. 2009	ISSN No. 0972 - 5504
12	On plane gravitational waves $g_{ij}(Z)$, $Z = \frac{\sqrt{3}t}{x+y+z}$ P. No. 37 - 44	Reflections des ERA, Journal of Mathematical Sciences, Vol. 5, ISSUE, Feb. 2010	ISSN No. 0973 - 4597
13	[z-t]-Type Plan Wave Solutions of Weakened Field Equations P. No. 1845-1851	Prespacetime Journal, Vol. 2, Issue 11, Nov. 2011	ISSN No. 2153 - 8301
14	Generalized Line Element for $Z = (t/z)$ -Type Plan Gravitational Waves P. No. 1900 - 1903	Prespacetime Journal, Vol. 2, Issue 11, Dec. 2011	ISSN No. 2153 - 8301
15	Plane Symmetric Mesonic Cosmological Models With Perfect Fluid in Barber's Second Self-creation Theory	Vidarbha Journal of Sciences, Vol. 7, No. 1, 2, 2012	ISSN No. 0973 - 8932

16	Dr. Ambedkar and Buddha's Path to Equality	Proceeding on Interdisciplinary International Conference " Dr. Babasaheb Ambedkar's Buddhism and Its Emancipatory Potential" 28 th and 28 th Jan. 2012	ISBN No. 978-81-955414-5-6
17	Ambedkar's Theory of Education and its Relevance in the Present Era	Proceeding of International Conference on Relevance of Dr. Babasaheb Ambedkar Ideology in the present Scenario 29 th & 30 th Oct. 2012.	ISBN 978-93-82414-13-1

(B) Papers presented in Conferences, Seminars, Workshops, Symposia :

Sr. No	Title of the Paper presented	Title of Conference / Seminar	Organized by	Whether international /national / state /regional /College or university level
1	Plane gravitational waves in four dimensional space time for $Z = \frac{\sqrt{3} t}{x+y+z}$	National Conference on Advances in Applied Mathematics	Andhra University, Visakhapatnam held on 1 st July 2004	National
2	On plane gravitational waves $g_{ij}(Z)$, $Z = \frac{\sqrt{3} t}{x+y+z}$	National Conference on Recent Trends in Mathematics and Its Applications	Govt. P. G. College, Dhamtari, Chhathisgarh held on 24 th to 26 th Oct. 2004	National
3	The coordinate system in which $g_{\alpha\alpha} = 0$ for the plane gravitational waves for $Z = (z - t)$ and $Z = (t / z)$ type	International Conference on Relativity-2005	P G T D of Mathematics, Amravati held on 11 th to 14 th Jan. 2005	International
4	Generalized line element for $Z = (t/z)$ -type plane gravitational wave	National Conference on Recent Trends in Mathematics	G V I S H, Amravati held on 18 th , 19 th Sept. 2009	National

5	Plane symmetric mesonic cosmological models with perfect fluid in Barber's Self Creation theory	State Level Seminar on Recent Development in Relativity	Mahatma Fule Arts, Comm. And Sitaramji Chaudhari Science College, Warud held on 18 th Dece. 2009	State
6	Dr. Ambedkar and Buddha's Path to Equality	Interdisciplinary International Conference " Dr. Babasaheb Ambedkar's Buddhism and Its Emancipatory Potential"	Dr. Babasaheb Ambedkar Studies Centre Shri Shivaji College of Arts, Commerce and Science, Akola, <i>In collaboration with</i> Dr. Babasaheb Ambedkar Teacher's Association, Amravati held on 27 th & 28 th Jan. 2012.	International
7	Ambedkar's Theory of Education and its Relevance in the Present Era	Interdisciplinary International Conference on Relevance of Dr. Babasaheb Ambedkar, Mahatma Gandhi and Pandit Nehru's Ideology in the present Scenario	Dr. Babasaheb Ambedkar, Mahatma Gandhi and Nehru Study Centres Shri Shivaji College of Arts, Commerce and Science, Akola held on 29 th & 30 th Oct. 2012.	International

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A) Research Papers published :-

Sr. No.	Title with page nos.	Journal	ISSN /ISBN No.
1	Changing climate & soil degradation process	Proceeding of Interdisciplinary national seminar on Impact of climate on Agricultural production in India, 6 th Oct. 2012. P.N.118	ISBN: 978-93-82414-04-9
2	Ambedkar's Theory of Education and its Relevance in the Present Era	Proceeding of International Conference on Relevance of Dr. Babasaheb Ambedkar Ideology in the present Scenario 29 th & 30 th Oct. 2012. P.N.11-12	ISBN 978-93-82414-13-1
3	Mahatma Gandhi and Rural Development	Proceeding of International Conference on Relevance of Dr. Babasaheb Ambedkar Ideology in the present Scenario 29 th & 30 th Oct. 2012. P.N.97-98	ISBN:978-93-82414-15-5

(B) Papers presented in Conferences, Seminars, Workshops, Symposia :

Sr.No .	Title of the Paper presented	Title of Conference / Seminar	Organized by	Whether international /national / state /regional / college or university level
1	Changing climate & soil	Interdisciplinary national seminar on Impact of	Shri Shivaji College of Arts, Commerce and Science,	National

	degradation process	climate on Agricultural production in India,	Akola held on 6th Oct. 2012.	
2	Ambedkar's Theory of Education and its Relevance in the Present Era	Interdisciplinary International Conference on Relevance of Dr. Babasaheb Ambedkar, Mahatma Gandhi and Pandit Nehru's Ideology in the present Scenario	Dr. Babasaheb Ambedkar, Mahatma Gandhi and Nehru Study Centres Shri Shivaji College of Arts, Commerce and Science, Akola held on 29th & 30th Oct. 2012.	International
3	Mahatma Gandhi and Rural Development	International Conference on Relevance of Dr. Babasaheb Ambedkar Ideology in the present Scenario	Dr. Babasaheb Ambedkar, Mahatma Gandhi and Nehru Study Centres Shri Shivaji College of Arts, Commerce and Science, Akola on 29th & 30th Oct. 2012.	International