

Mahatma Phule Shikshan Sanstha's

**KARMAVEER BHAURAO PATIL COLLEGE**

**URUN - ISLAMPUR, DIST. SANGLI.**

**FACULTY PROFILE**

**Mr. S. B. Jirage**

Assistant Professor Department of Chemistry

**FACULTY PROFILE**

**Name- Mr. Sandesh Bapu Jirage**

Qualification- M. Sc., SET, Ph.D. Appeared

Department : Chemistry

Designation- Assistant Professor in Chemistry. Faculty/Stream –Science

Date of Birth- 10/03/1983

Date of Appointment - 02/08/2010

Residential Address –A/P-Galgale Tal-Kagal Dist-Kolhapur

Pin- 416235. Contact No.- 9922761402

Email- sandeshjirage01@gmail.com

Qualification Details –

Sr. No.	Degree	University	Year	Class/ Grade
1	B. Sc.	Shivaji University, Kolhapur	2003	First Class
2	M. Sc.	Shivaji University, Kolhapur	2005	First Class
3	SET	Pune University, Pune	2009	Qualified
4	Ph.D.	Registered in Shivaji University, Kolhapur	2012	Submitted

11. Period of teaching experience:

P.G. Classes (in years)	09 years
U.G. Classes (in years)	13 years

12. Research Experience excluding years spent in M. Phil / Ph. D (in years) 09

13. Fields of Specialization under the Subject / Discipline

(a) Organic Chemistry (b) Material Chemistry

14. **Orientation / Refresher/ Short term Course/ FDP/ FIP attended**

No.	Orientation/ Refresher	Date	Place	Organized by
1.	Orientation	23/9/2014 to 20/10/2014	Goa	Academic Staff College, Goa University
2.	Refresher	19/12/2016 to 08/01/2017	Rajkot,	HRDC Rajkot University, Rajkot, Gujrat.
3	Online Refresher	1/11/2018 to 28/2/2019	Online	SWAYAM-MOOC, MHRD Govt. of India, Tej Bahadar College, Khalsa, Delhi.
4	Online Refresher	01/09/2019 to 31/12/2019	Online	SWAYAM-MOOC, MHRD Govt. of India, Tej Bahadar College, Khalsa, Delhi.
5	One Week STTP on “Recent Trends in Interdisciplina ry Research in Material Sciences”	26 <sup>th</sup> Dec. 2017- 30 <sup>th</sup> Dec. 2017	Asta	Deptt. of Basic Sciences A. D. College of Engineering & Technanology.
6	One week National online FDP on ICT Tools for Effective Teaching Learning	27 <sup>th</sup> April to 2 <sup>nd</sup> May 2020	Online	SRTM University, Nanded.
7	One Week Online Faculty Development Program On Use of ICT in Teaching Learning	1 <sup>st</sup> June to 6 <sup>th</sup> June 2020	Online	Ghali College, Gadhinjaj, Dist- Kolhapur

## 15. PROFESSIONAL DEVELOPMENT, CO-CURRICULAR AND EXTENSION ACTIVITIES

Sr. No.	Name of the activity	Position held
1	Science & Nature Club	Chairman
2	National Service Scheme	Assistant Programme Officer
3	Staff Assessment Committee	Member
4	Tour Management Committee	Member
5	Staff academy	Member
6	Literary Association	Member
7	Admission Committee	Member
8	API Committee	Member
9	Website Committee	Member

- **Community Service**

**Member-** Andhashradha Nirmulan Samiti Maharashtra State

- **Student centric activities**

1. Seminar
2. Group Discussion.
3. Event Organization.
4. Industrial and Study Tours.
5. Competitive Examination/Career Guidance.
6. Encouragement For Participation in Chem-Quiz.
7. Use of Audio-Visual Aids/ ICT.
8. Project Study.

- **Work at University level**

A) Examination Work.

1. Involvement in B.Sc. Practical Examination at College Level Since 2010.
2. Involvement in University B.Sc. Practical Examination since 2010.
3. Worked as Paper Setter.
4. Worked as Practical Examiner.
5. Worked as Internal/External Senior Supervisor

## 16. RESEARCH AND ACADEMIC CONTRIBUTIONS

### Publication of Research Papers

No.	Title	Journal	ISSN/IS BN No Impact factor.	Publisher	Level
1	Structural and morphological studies of chemically deposited environment best $\text{Cu}_2\text{ZnSnS}_4$ thin films	International Journal of Chemical and Physical Sciences	2319-6602 (1.8)	IJCPS	International
2	Synthesis and characterization of ecofriendly and large area honeycomb-like $\text{Cu}_2\text{ZnSnS}_4$ thin films for solar cell application using chemical bath method	IOP Conference Series: Materials Science and Engineering	1757-8981 (1.2)	IOP	International

### Publication of Research Papers in Conference Proceeding

Sr. No.	Title of the paper with page no. Vol. Issue	Title of the journal	ISSN/ISBN No and impact factor	Publisher	Level
1	Synthesis of Ecobest & earth abundant $\text{Cu}_2\text{ZnSnS}_4$ thin films by chemical bath method	Proceedings of National Conference on Recent Advances in Physics and Natural Sciences.	978-81-926339-4-7 2017-18	KBP College	National
2	Synthesis & characterization of environment best $\text{Cu}_2\text{ZnSnS}_4$ thin films with kasterite structure & aster flower like morphology by chemical bath method	Proceedings of International Conference of Materials & Environmental Sciences.	ISBN-978-93-5346-224-6	ICMES-2018	International

**Paper presented in National / International Conference/Workshop/ Symposium**

No.	Date	Place	Organized By	Theme	Level
1	10th Mar. 2015	Gargoti	Karmveer Hire Arts, Science, Commerce and Education College, Gargoti.	Emerging Trends in Basic and Applied Sciences.	<b>International</b>
2	6th & 7th Feb. 2015	Kolhapur	Rajarshi Chhatrapati Shahu College, Kolhapur	Challenges & Opportunities before 21 <sup>st</sup> Century India in the field of science and Technology	<b>International</b>
3	7th & 8th Nov. 2017	Kolhapur	GKG College, Kolhapur.	Innovative Research in Science and Technology	<b>International</b>
4	23 <sup>rd</sup> Jan. 2018	Islampur	KBP College, Islampur	Recent Advances in Physics and Natural Sciences	<b>National</b>
5	30th & 31st Jan. 2018	Lonavala	Dr. B.N. Purandare college Lonavala	Recent Advances in Chemistry	<b>State</b>
6	7 <sup>th</sup> Dec. 2018 & 8 <sup>th</sup> Dec. 2019	Kolhapur	New College, Kolhapur and Y.C College, Solankur.	Int. Conference on Materials & Environmental Science (ICMES2019)	<b>International</b>
7	5 <sup>th</sup> & 6 <sup>th</sup> Jan. 2019	Vita	Balavant College, Vita.	International Conference on Advances in Pure & Applied Sciences (ICAPAS-2019)	<b>International</b>
8	29 <sup>th</sup> Nov. to 1 <sup>st</sup> Dec. 2019	Vellore	Vellore Institute of Technology, Vellore, Tamilnadu, India.	International Conference on Nanoscience and Nanotechnology (ICNAN'19)	<b>International</b>
9		Amaravati	Sant Gadage Baba Amaravati University, Amaravati	NCCT-2019	<b>National</b>
10	29 <sup>th</sup> to 31 <sup>st</sup> Jan. 2020	Satara	Y.C.I.S. Satara	International Conference on Multifunctional & Hybrid Materials for Energy & Environment (ICNAN-2019)	<b>International</b>
11	2020	Jath	Raje Ramrao Mahavidyalaya Jath, Dist- Sangli	International Conference on Advances on Material Sciences (ICAMS-2020)	<b>International</b>
12	2020	Rajkot	RK University, Rajkot, Gujrat, India.	International Conference on Molecular structure & Instrumental Approaches	<b>International</b>

- **Participation**

- i) **Conferences**

No.	Date(s)	Place	Organized By	Theme	Level
1.	6 <sup>th</sup> January 2012	Shirala, Dist Sangli	Baba Naik Science Mahavidyalaya, Shirala	Advanced Techniques of Teaching and Learning in Higher Education	National
2.	22 <sup>nd</sup> & 23 <sup>th</sup> Jan 2013	Kolhapur	Deptt. of Chemistry Shivaji University, Kolhapur	Current Research in Chemical Sciences.	National
3	6 <sup>th</sup> & 7 <sup>th</sup> Sept 2013	Nipani	Devchand College Nipani	Drug Designing & Discovery	National
4.	22 <sup>nd</sup> & 23 <sup>th</sup> Sept 2013	Tasgaon	Dept of Chemistry PDVP college Tasgaon.	Frontiers in Chemical & Biological Sciences.	National
5	18 <sup>th</sup> & 19 <sup>th</sup> Sept 2014	Devchand college Arjunnagar	Dept of Chemistry, Devchand College Nipani	Recent Trends in Chemical Sciences.	National
6	16 <sup>th</sup> & 17 <sup>th</sup> Jan. 2015	Kolhapur	Dept of Chemistry Shivaji University, Kolhapur	Frontiers in Chemical and Material Sciences.	National
7	10 <sup>th</sup> Mar. 2015	Gargoti	Karmveer Hire Arts, Science, Commerce and Education College, Gargoti.	Emerging Trends in Basic and Applied Sciences.	International
8	6 <sup>th</sup> & 7 <sup>th</sup> Feb. 2015	Kolhapur	Rajarshi Chhatrapati Shahu College, Kolhapur	Challenges & Opportunities before 21 <sup>st</sup> Century India in the field of Science and Technology	International
9	15 <sup>th</sup> Feb.	Solankur	Shri Yashwantrao Patil	Materials and Environmental	National

	2017		Science College, Solankur	Science	
10	7th & 8th Nov. 2017	Kolhapur	GKG College, Kolhapur.	Innovative Research in Science and Technology	International
11	6th Jan. 2018	Solankur	Shri Yashwantrao Patil Science College, Solankur	Recent Trends in Chemical Sciences & its Interdisciplinary Applications	National
12	23 <sup>rd</sup> Jan. 2018	Islampur	KBP College, Islampur	Recent Advances in Physics and Natural Sciences	National
13	24 <sup>th</sup> & 25 <sup>th</sup> Jan. 2018	Islampur	KBP College, Islampur	Rastriya Bandhuta Sahitya Samelan	National
14	30 <sup>th</sup> & 31 <sup>st</sup> Jan. 2018	Lonavala	Dr. B.N. Purandare college Lonavala	Recent Advances in Chemistry	State
15	7 <sup>th</sup> & 8 <sup>st</sup> Dec. 2018	Kolhapur	Y. P. College, Solankur & New College, Kolhapur	Materials & Environmental Science (ICMES-2018)	International
16	5 <sup>th</sup> & 6 <sup>st</sup> Jan. 2019	Vita	Balawant College Vita	Advances in Pure & Applied Sciences (ICAPAS-2019)	International
17	5 <sup>th</sup> & 6 <sup>st</sup> Jan. 2019	Kolhapur	FASTA	Indian Constitution: Reservation and Social Justice	National
18	16 <sup>th</sup> Feb. 2019	Islampur	Deptt. of English, KBP College, Islampur Dist- Sangli	Language, Literature & Culture	National
19	29 <sup>th</sup> to 31 <sup>st</sup>	Satara	Y.C.I.S. Satara, MS-	International Conference on	International



	Jan. 2020		India	Multifunctional & Hybrid Materials for Energy & Environment (ICNAN-2019)	
20	6 <sup>th</sup> to 7 <sup>th</sup> June, 2020	Jath	Raje Ramrao Mahavidyalaya Jath, Dist- Sangli	International Conference on Advances on Material Sciences (ICAMS-2020)	International
21	8 <sup>th</sup> June, 2020	Panvel	Mahatma Phule Arts, science & Commerce College, Panvel (Raigad)	International Webinar on Advances on Nanomaterials for Smart & sustainable Energy solutions	International
22	13th Feb. 2020	Islampur	KBP College, Islampur	Challenges before Indian Constitution	National

## ii) Seminars

No.	Date(s)	Place	Organized By	Theme	Level
1.	21 & 22 <sup>nd</sup> January 2012	Kolhapur	Department of Chemistry, Shivaji University, Kolhapur	National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials 2012 (RASCN-2012)	National
2.	13 to 15 <sup>th</sup> February 2012	Pune	Department of Chemistry, S. M. Joshi College, Pune	Applications of Nanomaterials in Synthesis	National
3.	21 <sup>st</sup> Dec 2011	Jaysingpur	P. G. Department of Chemistry, Jaysingpur College Jaysingpur.	Chemistry in Our Life	State
4.	7 <sup>th</sup> & 8 <sup>th</sup> Feb 2013	Chikodi	Department of Chemistry Basavaprabhu Kore College Chikodi	The World of Nanoscience	National
5	1 <sup>st</sup> Oct. 2013	Sangli	Kasturbai Walchand College Sangli	Emerging Trends in Chemistry through Green Approach	State
6	20 <sup>th</sup> , Feb. 2019	Islampur	Social Science Forum, KBP College,	Pandit Nehru: A Nation Builder	National

			Islampur Dist- Sangli		
7	3 <sup>rd</sup> Feb., 2020	Islampur	KBP College, Islampur	National Seminar on Mahattma Gandhichya vicharanchi prastutata	National
11	8 <sup>th</sup> Feb., 2020	Islampur	KBP College, Islampur	One Day National seminar on Application of Statistics & Mathematics in Economics	National
12	3 <sup>rd</sup> May, 2020	Delhi	JNU, Delhi	Webinar on Covid 19 Pandemic: Solution	National
13	20 <sup>th</sup> , May, 2020	Sangli	PK College, Sangli	Webinar on Empowering Teachers with Moodle LMS	National
14	2 <sup>nd</sup> June, 2020	Vaduj, Satara.	Arts, Commerce College, Vaduj, Satara.	Webinar on covid 19:Challenges, Opportunities & Scientific Writing	National
15	8 <sup>th</sup> to 10 <sup>th</sup> June, 2020	Kolhapur.	Govt.,Rajaram College, Kolhapur.	Webinar on IPR & E- content Development	National

### iii) Workshops

No.	Date(s)	Place	Organized By	Theme	Level
1.	10 <sup>th</sup> Aug. 2011	Kolhapur	Vivekanand College, Kolhapur	Workshop on Revised Syllabus of B. Sc.II	University
2.	5 <sup>th</sup> Feb.	Kolhapur	Marathi Rasaynshastra	State Level workshop on	State

	2012		Parishad, Maharashtra	Chemistry	
3.	10 <sup>th</sup> Aug 2012	Satara	Y.C.Institute of Satara	Workshop on revised syllabus of Inorg.Chemistry B.Sc.III	University
4.	11 <sup>th</sup> Aug 2012	Chikhli	D.A. B. Naik Arts & Science College Chikhali	Workshop on revised syllabus of Practical Chemistry B.Sc.III	University
5.	19 <sup>th</sup> March 2013	Islampur	K.B.P.College, Islampur Dist- Sangli	Role of Non Teaching in Higher Education.	University
6.	13 <sup>th</sup> Aug2013	Rethare BK	Krishna Mahavidyalaya Rethare BK	Workshop on revised syllabus of Practical.Chemistry B.Sc.I	University
7	12 <sup>th</sup> Aug2015	Sangli	Wilingdon College, Sangli	Workshop on revised syllabus of B.Sc.III Chemistry XI & XV	University
8	11 <sup>th</sup> Jan. 2018	Islampur	K.B.P.College, Islampur Dist- Sangli	Workshop on ICT based Teaching Learning Process	University
9	13 <sup>th</sup> Jan. 2019	Kolhapur	Dr. Babasaheb Ambedkar Centre for Research & Development, Kolhapur	Constitution Policy of Reservation	National
10	25 <sup>th</sup> , Feb. 2020	Islampur	K.B.P.College, Islampur Dist- Sangli	National workshop on Intellectual Property Rights	National
11	23/5/2020	Tamilnadu	Vivekanandha College of Arts and Science For Women, Tiruchangode	Skill Bases Workshop on Nuances of Software Handling in Chemical	National

			Namaklal.	Sciences	
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**iv) Symposium**

No.	Date	Place	Organized By	Theme	Level
1	23 <sup>rd</sup> Jan. 2019	Islampur	Deptt. of Chemistry, KBP College, Islampur Dist- Sangli	Role of Chemistry in Agricultural Development	National

**Involvement in education and extra-curricular activities**

No.	Date	Organized By	Theme	Role	Level
1	23 <sup>rd</sup> Jan. 2018	KBP College, Islampur	Recent Advances in Physics and Natural Sciences	Organisation member Stage committee	National
2	24 <sup>th</sup> & 25 <sup>th</sup> Jan. 2018	KBP College, Islampur	Rastriya Bandhuta Sahitya Samelan	Organisation member	National
3		Department of Chemistry KBP College, Islampur.	NET/ SLET guidance workshop	Organisation Convenor	University
3	7 <sup>th</sup> & 8 <sup>th</sup> Nov. 2017	Department of Chemistry KBP College, Islampur.	Study Tour at Goa-Kokan of B.Sc.III students.	Organisation Convenor	State
4	8 <sup>th</sup> Nov. 2017	Science and Nature Club KBP College, Islampur.	Study Tour at Goa- Science Centre for students.	Organisation Convenor	College

5	2018	Science and Nature Club KBP College, Islampur.	Development of Garden Layout as competition.	Organisation member	College
6	2018	Science and Nature Club KBP College, Islampur.	Developing Clay Models For Subcellular Structure	Organisation member	College
7	22 <sup>nd</sup> Sept. 2018	KBP College, Islampur	Karmaveer Jayanti B.Sc.III students.	Organisation Convenor	College
8	28 <sup>th</sup> Feb, 2018	Science and Nature Club KBP College, Islampur.	The lecture on Atomic Energy	Organisation Convenor	College
9	22 <sup>nd</sup> Sept. 2018	KBP College, Islampur	Karmaveer Jayanti B.Sc.I students.	Organisation Convenor	College
10	22 <sup>nd</sup> Jan, 2019	Science and Nature Club KBP College, Islampur.	Poster Presentation and Competitions	Organisation Convenor	College
11	23 <sup>rd</sup> Jan, 2019	Deptt. of Chemistry, KBP College, Islampur.	A National Symposium on Role of Chemistry in Agricultural Development	Organisation Co- Convenor	College
12	14 <sup>th</sup> Feb. 2019	Science and Nature Club KBP College, Islampur.	Lecture on 'The world of alcohol'	Organisation Convenor	College
13	19 <sup>th</sup> Sept. 2019	Deptt. of Chemistry, KBP College, Islampur	Poster Presentation on Chemistry	Organisation member	College
14	20 <sup>th</sup> Sept.	Science and Nature Club	Exhibition of Coins	Organisation	College

	2019	KBP College, Islampur.		Convenor	
15	20th Sept. 2019	Science and Nature Club KBP College, Islampur.	Exhibition of Marvellous Metals	Organisation member	College
16	23th Sept. 2019	KBP College, Islampur	Karmaveer Jayanti B.Sc.I students.	Organisation Convenor	College
17	23th Sept. 2019	KBP College, Islampur	Seminar on Social Media	Organisation member	College
18	14 <sup>th</sup> Feb, 2018	Science and Nature Club KBP College, Islampur.	The lecture on The world of Alcohol	Organisation Convenor	College

**Participation in Various Organizations:-**

Sr. No.	Organization
1	Member Shivaji University Teachers Association (SUTA).
2	Member of Teachers Benevolent Fund.

**Additional Qualification-**

Obtained certificates of MS-office and Yoga.

**Personal YouTube Channel link-**

<http://www.youtube.com/channel/UCnwANs-HaB6S0bLCQkd7J0A>