

## Teacher Profile

### Yogeshwar Rajaram Baste

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### Personal Information

- Name :**Yogeshwar Rajaram Baste**
- DateofBirth :**01/06/1974**
- Nationality :**Indian**
- PresentPosition :**Assistant Professor**
- Experience :**23Years and08month**
- MaritalStatus :**Married**
- AreasofResearch :**Material Science**
- **Vidwan ID** :**346189**
- **Orchid ID** :**0000-0003-1239-5145**

### EducationalDetails

Degree/Diploma	College/Universit y	Year ofPassi ng	Percentage Marks/CGPA	Class
Ph.D	Savitribai Phule Pune University	2015	Awarded	
M.Sc (Analytical Chemistry)	Savitribai Phule Pune University	1996	58.5	High. Second
B.Sc. (Chemistry)	Savitribai Phule Pune University	1994	65.54	First
B.Ed	Savitribai Phule Pune University	1998	71.5	First with Dist

### Thesis/dissertation/Project

Degree	Name of the Guide	Title
Ph.D.	Dr.A.V.Borhade	Green Chemistry Approach for the Synthesis of Mixed metal pervoskite oxides and their application as Photocatalyst

### Teaching Experience(23Years)

Organization	Duration	Designation	Total Experience
Maratha Vidya Prasarak Samaj Nashik	20 Sept 1999 till date	Asst. Professor	23Year08Months

### Research Paper Publications

1. VR Jadhav, TD Bagul, YR Baste, Innovative Reforms in Lockdown Period in Teaching and Learning in Higher Education during COVID-19 *Economic, Social, Psychological, Political, Educational and Literary Impact of COVID-19*, ISBN: 978-93-89840-55-1, [2020]
2. VR Jadhav, J Madhuri, W Pooja, YR Baste, Cyclopentadienyl System: Solving the Secular Determinant,  $\pi$  Energy, Delocalization Energy, Wave Functions, Electron Density and Charge Density, *Journal of Chemistry, Environmental Sciences and its Applications*, Vol. 6 No. 2, 21–26 , [2020]
3. Vikram R Jadhav, **Yogeshwar R Baste**, Dnyaneshwar D Kajale, A SOLUTE ASSOCIATE OR DISSOCIATES IN MISCIBLE SOLVENTS *Asian Journal of Science and Technology*, Vol. 09, Issue, 09, pp.8661-8666,[ 2018]
4. Ashok V Borhade, **Yogeshwar R Baste**, Study of photocatalytic asset of the  $\text{ZnSnO}_3$  synthesized by green chemistry, *Arabian Journal Of Chemistry* Volume 10, Supplement 1, , Pages S404-S411 [2017]
5. PS Kalantri, YR Baste, **AV Borhade**, VB Gaikwad, Photocatalytic Degradation of Evans Blue Dye by  $\text{PbTa}_2\text{O}_6$  Synthesized by Solid State Method, *J. Chem. Pharma. Res*, 174-179, [2017]
6. **Y.R. Baste**, Synthesis and Characterization of  $\text{ZnTa}_2\text{O}_6$  Photocatalyst, *Persuit Vol 3 Issue VI* Page 47-55[2016].
7. **Y.R. Baste**, Green chemistry approach for Synthesis of Benzylidene malononitrile using  $\text{CuZrO}_3$  catalyst, *Persuit Vol 3 Issue VI* Page 47-55[2016].
8. Ashok V Borhade, **Yogeshwar R Baste**, Sunlight Assiated Degradation of Bentazon Herbicide in an Aqueous Suspension Using  $\text{ZnGeO}_3$ , *Indian Journal Of Applied Research* Vol; VI Issue IX Page 1-7[2014]
9. Ashok V Borhade, **Yogeshwar R Baste** Solid state synthesis of  $\text{MZrO}_3$  (M = Pb, Cd and Cu) photocatalyst A Green chemistry approach, *Indian Journal of Applied Research* Vol 3 Issue 7 page 335-340 [2013]

10. Ashok V Borhade, Yogeshwar R Baste, Synthesis and characterization of CuGeO<sub>3</sub> photocatalyst using Green Chemistry and its application for the degradation of direct black dye. *Carbon-Sci. Tech*, 5/1, 192-1[2013].
11. Ashok V Borhade, **Yogeshwar R Baste** Green chemistry approach for the synthesis of PbSnO<sub>3</sub>: an effective photocatalyst for the degradation of dyes under sunlight, *International Journal of Thermal Analysis and calorimetry*, DOI: 10973-011-1672-9[2011]

#### **Research Paper Papers presented in International/National Conferences**

1. **Y R Baste**, Study photocatalytic Degradation of Direct black dye 105 Indian Science Congress Association, Manipur University, Imphal, **2018**
2. **Y.R. Baste** International conference on advances in functional materials, K T H M College. Nashik **2018**
2. **A.V. Borhade, Y.R. Baste** Synthesis and Characterization of ZnSnO<sub>3</sub> Photo catalyst, 27 ICC Patan, Gujarat, book 27 ICC conference Patan, Gujarat (National Conference) **2009**
2. A.V. Borhade, Y.R. Baste, V.B. Gaikewad, CuGeO<sub>3</sub> as H<sub>2</sub>S Gas Sensor National Cheng-Kung University, Tainan, Taiwan November 30 – December 3, **2008**
3. A.V. Borhade, Y.R. Baste, 98 Indian Science Congress Association – Green Chemistry Approach for Heterogeneous PbSnO<sub>3</sub> Photocatalyst SRM University, Chennai, Tamilnadu. **2011**

#### **Research projects (Ongoing/completed)**

<b>Sr. No.</b>	<b>Title of Project</b>	<b>Project Period</b>	<b>Name of Funding agency</b>	<b>Amount (in lakhs)</b>	<b>Status</b>
1	Synthesis, Characterization and Application of Mixed Transition Metal Oxide Photocatalyst.	2009-2011	UGC	1.75.00	Completed
2	Green Chemistry Approach to Synthesis of Mixed Noble Metal Oxide and their Application as Photocatalyst and Gas Sensor	2008-2011	BCUD	1.00	Completed

3.	Synthesis and Characterization of $ATa_2O_6$ Oxide (Where A= Cu, Zn, Pb) for catalytic application	2014-2018	BCUD	2.00	Complete
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### Books/Patent Publications:

Sr. No.	Name of Book	Year	Publisher	ISSN No
1	T.Y.B.Sc. Analytical Chemistry	2021	Success	978-9324457-48-7
2	T.Y.B.Sc. Industrial Chemistry	2021	Success	978-93-24457-49-4
3	T.Y.B.Sc. Analytical Chemistry CH-611 A SEM-VI	2022	Nirali	978-93-5451-541-5
4	Lab Activity EVS034 M.Sc. V-136 Environmental Science	2022	Registrar, YCMOU, Nashik - 422 222, MH, India	
<b>Patent</b>				
1.	An Automatic Polyhouse Structure	2021	Indian Patent (IN), A/N. 202121033353	

### Refresher/Orientation/FDP/Trainings

Sr. No.	Name of Refresher/ Orientation/ FDP/ Trainings Programme attended	Organizing Institute	Period
1	Refresher Course	Academic Staff College Pune University, KTHM College	29- Oct 2003 to 18 Nov 2003
2	Refresher Course	Academic Staff College Pune University, KTHM College	26 Mar 2007 To 15 Apr 2007
3	Orientation Course	Academic Staff University of Goa	08- Feb – 07 to Mar 2005
4	Short-term Course	KTHM College Nashik	08 Oct 2018 to 14 Oct 2018
5	FDP	Teaching Learning Centre, Ramanujan College University of Delhi	20 /-04/2020 to 06/05/ 2020.

6	FDP	Sadguru Gadage Maharaj College, Kara	20-7-2020 to 25-07-20
7	FDP	Teaching Learning Centre, Ramanujan University of Delhi	03-April -to 09-April,-2021

#### **Seminar/Conference/STTPAttended**

<b>Sr.No.</b>	<b>Place</b>	<b>Date</b>	<b>Title</b>	<b>Type</b>
<b>1</b>	KKW College PimpalgaonBaswant	8-9 Feb 2023	NAAC Accreditation and New Education Policy	National Seminar
<b>2</b>	Association of Chemistry Trachers and Homibhabha Research Center TIFR , Mumbai	18 March 2021	Sustainable Chemistry	International Webinar
<b>3</b>	Arts, Commerce and Science College Jalgaon	8 June 2020	Soft Skills and Creative thinking in Chemical and Physical Science	National Webinar
<b>4</b>	Swami Muktnand College Yeola	26 Nov 2020	Green and Clean Chemistry	National Webinar
<b>5</b>	Manipur University, Imphal	16 –to 20 March 2018	105- Indian Science Congress Conference	National Conference
<b>6</b>	HPT RYC College Nashik	05 Feb 2018	Application of Material Science	District Level Conference
<b>7</b>	University of Mysore, Mysuru,	3 -7 Jan 2016	103- Indian Science Congress Conference	National Conference

#### **MembershipofProfessionalInstitutions**

Member- Indian Science Congress Association-Kolkatta

#### **Role in Curriculum/administrativeActivity (College level committee)**

<b>Sr.No.</b>	<b>Committee</b>	<b>Position</b>
<b>1</b>	Academic Research Coordinator	Coordinator
<b>2</b>	YCMOU	Coordinator
<b>3</b>	Academic Calendar	Coordinator
<b>4</b>	Science association	Member
<b>5</b>	Research Development Committee	Member

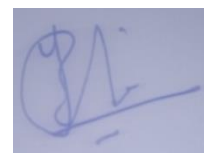
<b>6</b>	LMS	Coordinator
<b>7</b>	Laboratory Audit	Coordinator
<b>8</b>	Criteria-I	Member
<b>9</b>	Criteria-VII	Member (Departmental)
<b>10</b>	Reservation Cell	Member

**Role in Curriculum development :**

<b>Sr.No.</b>	<b>Place</b>	<b>Date</b>	<b>Title</b>	<b>Type</b>
<b>1</b>	K.T.H.M.College, Nashik	30 Jan 2004	Revision of T.Y.B.Sc. Syllabus Framing	District Workshop
<b>2</b>	K.T.H.M.College, Nashik	11 Dec 2007	Syllabus Framing of F.Y.B.Sc. and M.Sc. Chemistry part-1	District Workshop
<b>3</b>	HPT Arts, and RYK Science College, Nashik	22 Jan 2015	T.Y.B.Sc. Syllabus Framming	District
<b>4</b>	SVKT College, Deolalt Camp	25 Feb 2020	S.Y.B.Sc Chemistry	District

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date: 6/04/2023



Dr. Y.R. Baste