



**Dr. SAYYED HUSSAIN SAJJANSAB, Ph.D.**

Professor in chemistry,  
Sir Sayyed College of Arts, Comm. & Science  
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**Objectives:** To excel in academics & research.

**Educational Qualification:**

| Degree   | University                 | Year | Subject                              | Percentage                                   |
|----------|----------------------------|------|--------------------------------------|--|
| Ph. D.   | Dr. B.A.M Univ. Aurangabad | 2005 | Inorganic Chemistry                  | Awarded                                      |
| B. Ed.   | Dr. B.A.M Univ. Aurangabad | 1999 | Science and Geography                | 61.90  |
| M. Sc.   | Dr. B.A.M Univ. Aurangabad | 1998 | Inorganic Chemistry                  | 64.33<br>(1 <sup>st</sup> in Order of Merit) |
| B. Sc.   | Dr. B.A.M Univ. Aurangabad | 1996 | Chemistry, Botany, Zoology           | 69.13  |
| H. S. C. | Pune Board                 | 1993 | Chemistry, Botany, Zoology (General) | 64.83  |
| S. S. C. | Pune Board                 | 1991 | General                              | 66.14  |

- **Title of Doctoral work:** “Kinetic And Mechanism of Oxidation Reaction of Organic Compound using Oxidising Reagent”
- **MS-CIT:** Passed with 86 marks.

**Teaching Experience:**

- Working as Full Time *Professor* in Chemistry in *Sir Sayyed College of Arts, Commerce & Science, Aurangabad.*
- Teaching Experience at Under-Graduate and Post-Graduate Level: 22 Years.

**Administrative Experience:**

- **In Charge Principal:** Sir Sayyed College of Arts, Commerce & Science, Aurangabad.
- **Vice-Principal:** Sir Sayyed College of Arts, Commerce & Science, Aurangabad. (2010 To 2014).
- **Information Officer:** R.T.I. 2005, Sir Sayyed College of Arts, Commerce & Science, Aurangabad. (2010-2013).
- **In-Charge:** Faculty of Science, Sir Sayyed College of Arts, Commerce & Science,

Aurangabad (2010 - Till Date).

- **Programme Officer:** N.S.S., Sir Sayyed College of Arts, Commerce & Science, Aurangabad (2009-10,2014-16, 2016-17,2017-18, 2018-19, 2019-20).
- **Chief Superintendent:** Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, At Sir Sayyed College of Arts, Commerce & Science, Aurangabad. (2009-10).
- **Secretary And Director:** Sir Sayyed College Employees Cooperative Credit Society, Sir Sayyed College of Arts, Commerce & Science, Aurangabad. (2002 - Till Date).

### **Published Text Books:**

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1. A Text Book of Inorganic Chemistry (B.Sc. Third Year)
2. A Concise Book of Practical Chemistry (B.Sc. Third Year)
3. A Text Book of Environmental Science (In Press by Taj Publication, Aurangabad)
4. A Text Book of Inorganic Chemistry, B.Sc. II year, Aruna publication, Latur (SRTMU,Nanded) **ISBN -978-93-83389-90-2**
5. A Text Book of Inorganic Chemistry,B.Sc. II year, Kailash Publication, Aurangabad, 2014, (Dr. BAMU, Aurangabad) **ISBN-978-93-84451-07-3**
6. A Text Book of Chemistry,B.Sc. III year, Nabh Prakashan, Amaravati, 2014 (RSTMU,Nagpur) **ISBN-978-81- 905776-101-5**
7. Selected steps in Chemistry, Vidywati Prakashan, Latur,2015. **ISBN-978-93-83411-29-0**
8. Specified Chemistry, Kailash Publication, Aurangabad, 2016. **ISBN-978-93-84451-86-8**
9. Basics in Chemistry (Vol. I), Kailash Publication, Aurangabad, 2016 **ISBN-978-93-84451-85-1**

### **Editorial Body – Research Journals:**

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1. Member, Editorial Board of “Proceeding of Current Trends in Chemical Sciences” 30-31 Aug 2012.
2. Executive Editor of “Vision Research Journal of Chemistry” **ISSN: 2319-4720**

### **Research Project:**

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- **Major Research Project** sanctioned By U.G.C., New Delhi  
**Title of the Project:** “Kinetics and Mechanism of Oxidation of Bioinorganic Complexes By Potassium Permanganate”  
**Sanctioned Amount:** Rs.10, 96,800/-
- **Completed Minor Research Project** sanctioned by U.G.C., New Delhi  
**Title of the Project:** “Synthesis, Characterization and Biological Activity of Metal Complexes Using Nitrogen Containing Ligands”

**Sanctioned Amount:** Rs. 1, 20,000/-

- **Completed Minor Research Project** funded by Dr. B. A. M. U., Aurangabad  
**Title of the Project:** “Determination of Stability Constant of Metal Complexes by using Potentiometer”  
**Sanctioned Amount:** Rs. 15,000/-
- **Completed Minor Research Project** funded by Dr. B. A. M. U., Aurangabad  
**Title of the Project:** “Kinetics and Mechanism of Oxidation of Esters by Potassium Dichromate”  
**Sanctioned Amount:** Rs. 10,000/.
- **Completed Minor Research Project** sanctioned by U.G.C. (WRO), Pune  
**Title of the Project:** “Determination of stability constant of metal complexes”  
**Sanctioned Amount:** Rs. 85000/-
- **On-going Minor Research Project** sanctioned by Dr. BAMU, Aurangabad.  
**Title of the Project:** “Mechanistic Study of Drugs Compund”  
**Sanctioned Amount:** Rs. 30000/-

#### **Research Guide:**

- Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- Jagdish Prasad Jhabaramal Tiberewala University, Jhunjunu (RAJASTHAN)
- No. of students **Awarded Ph.D.** (Dr. B. A. M. U., Aurangabad): **14**
- No. of students **Submitted Ph.D.** (Dr. B. A. M. U., Aurangabad): **01**
- No. of students **Registered for Ph.D.** (Dr. B. A. M. U., Aurangabad): **4**
- No. of students **Awarded M. Phil.** (Madurai Kamaraj University, Madurai): **05**

#### • **List of Ph.D. Awarded Students:**

| Sr. No. | Name of the Candidate   | Title of Thesis   | Year of Award  |
|---------|-------------------------|---|--|
| 1.      | Mane Vinod Ganpatrao    | Convenient Protocol For Treatment of Lake Water To Be Used For Urban Population | <b>2012</b><br>Ref.No. PG/Ph.D./July-2009/Chemistry/2012/9588-98     |
| 2.      | Surendra Nagnath Takle  | Study of Kinetics and Mechanism of Oxidation of Alcohols                        | <b>2013</b><br>Ref.No. PG/Ph.D./July-2009/Chemistry/2013/9314-24     |
| 3.      | Jadhav Shivaji Lakshman | Synthesis and Characterization of Hetrocyclic Compunds                          | <b>2014</b><br>Ref.No. PG/Ph.D./July-2009/Chemistry/2014/5591-5601   |
| 4.      | Shaikh Abdul Rahim      | To Study Stability Constants of Metal-Ligand Complex by Potentiometry           | <b>2015</b><br>Ref.No. PG/Ph.D./July-2009/Chemistry/2015/12997-13007 |
| 5.      | Ammar Qasem Ali         | Study of Stability Constants of Metal Drug Complexes                            | <b>2016</b><br>Ref.No. PG/Ph.D./July-                                |

|     |                              |  |  |
|-----|------------------------------|--|--|
|     |                              | Potentiometrically   | 2012/Chemistry/2016/<br>12169-80   |
| 6.  | Tirpude Haridas Ako          | Hydrochemical Study of<br>Ground Water of Kinwat,<br>Dist. Nanded, Maharashtra     | <b>2016</b><br>JJT/Ph.D./Exam/529/2016   |
| 7.  | Khadari Sanaullah            | Study of Kinetics and<br>Mechanism Oxidation of<br>Alcohols                        | <b>2016</b><br>JJT/Ph.D./Exam/1079/2016  |
| 8.  | Prabhakar Ramrao Kute        | Study on Kinetics and<br>Mechanism of Oxidation of<br>Amino Acids                  | <b>2016</b><br>Ref.No. PG/Ph.D./July-<br>2013/Chemistry/2017/<br>8287-97           |
| 9.  | Zeyad Ahmed Dahan            | Studies Towards Improved<br>Aldose Reductase Inhibitors                            | <b>2016</b><br>Ref.No. PG/Ph.D./DEC.-<br>2014/Chemistry/2017/<br>14080-90          |
| 10. | Sunita Indal Jadhav          | Study of Kinetics And<br>Mechanism of Oxidation of<br>Metal Complexes              | <b>2018</b><br>Ref.No. PG/Ph.D./DEC.-<br>2014/Chemistry/2018/1759-69<br>11/05/2018 |
| 11. | Kiran Harihar Pakhale        | Adsorption of Heavy Metals<br>by Nano Materials                                    | <b>2018</b><br>Ref.No.Ph.D./Chemistry/2018-<br>19/9501-11<br>12/01/2019            |
| 12. | Syed Yousuf Hussain          | Kinetics Study of Oxidation<br>of Pharmaceuticals from<br>Aqueous System           | <b>2019</b><br>Ref.No.Ph.D./Chemistry/2018-<br>19/15060-69<br>14/03/2019           |
| 13. | Shaikh Tabrez Abdul<br>Kadar | Development of New<br>Analytical Methods for<br>Impurity Profiling of Bulk<br>Drug | <b>2019</b><br>Ref.No.Ph.D./Chemistry/2018-<br>19/20633-43<br>14/05/2019           |

• **List of M.Phil. Awarded Students:**

| Sr. No. | Name of the Candidate | University                                    | Year of Award |
|---------|-----------------------|---|---------------|
| 1       | Mohammed Ahad         | Madurai Kamraj University,<br>Madurai(T.N.)   | <b>2009</b>   |
| 2       | Mohammed Aziz         | Madurai Kamraj University                     | <b>2009</b>   |
| 3       | Shaikh Imran          | Madurai Kamraj University                     | <b>2009</b>   |
| 4       | Momin Kaleemuddin     | Annamalai University,<br>Annamalainagar(T.N.) | <b>2010</b>   |
| 5       | Shaikh Nilofer        | Annamalai University,<br>Annamalainagar(T.N.) | <b>2010</b>   |

**Research Publications: 168** Publications in National & International Journals

- Kindly Refer **Annexure I**

**Patents: 02 Indian Patents Published**

1. Artificial Intelligence to identify the blocks in the heart valves and targeted delivery of nano particles
2. A Machine learning based approach Integrated with nano technology to study the effect of topical cream for blood cancer

**Seminar/Conference/Workshop (Attended/Presented Paper): 92**

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- Kindly Refer **Annexure II**

**Visiting Faculty:**

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- Maulana Azad College, Aurangabad, For M.Sc.
- S.B. Science College, Aurangabad, For M.Sc.
- Vasantrya Naik College, Aurangabad, For M.Sc.
- Devgiri College, Aurangabad, For M.Sc.
- Kohinoor College of Arts Commerce and Science, Khultabad.
- Dagdojirao Deshmukh College, Bajaj Nagar, Waluj, Aurangabad.
- Vasantrya Kale College, Nanded.
- Raja Shivaji College, Bajaj Nagar, Waluj, Aurangabad.

**Awards: 05**

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- **Marathwada Bhushan:** Awarded by Swatantraya Sainik Samiti, Aurangabad in 2005.
- **Marathwada Gourav Puraskar:** 2006.
- **Award for Academic Excellence:** Awarded by Sir Sayyed College, Aurangabad.
- **IDEAL TEACHER AWARD:** Awarded by Dr. Dattabhau Pathrikar Education Trust and Kanchan Desarda Institute of Education and Prerna Sahitya Trust on 21/04/2013.
- **Outstanding Teacher Award:** Awarded by Indo Global Chamber of Commerce Industries and Agriculture, Pune.

**Academic/Professional Bodies:**

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- Life Member for Indian Science Congress.
- Life Member for Indian Journal of Chemical Society, Kolkata.
- Member of International Journal of Chemical Sciences.
- Member of Asian Journal of Chemistry.
- Member of Pollution Research Journal.
- Member of Samayak Journal of Chemistry.
- Member of National Chemical Laboratory, Pune.

- Member of Library - Dr. B.A.M.U., Library, Aurangabad.
- Member of Journal of Chemistry & Environment.

#### **Association With NGO:**

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- Life & Founder Member: Analytical Chemistry Teachers and Researchers Association.
- Andhshradha Nirmulan Samiti.
- Vaidyanic.
- Janiwa Prakalp.

#### **University Work:**

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- Worked as Examiner for Practical & theory Examination at U.G. & P.G. Level.
- Worked as Joint Chief of Examination for Theory examination IN Dr. B.A.M. University, Aurangabad at U.G. Level.
- **External Examiner** for **M.Phil., Ph.D.** Viva-voce Examination.
- Worked as Paper Setter for B.Sc. & M.Sc. course in Chemistry.
- Worked as Chief Superintendent of Examination for Dr. B.A.M. University, Aurangabad.
- Worked as N.S.S. Programme Officer.
- Worked as external examiner for the evaluation of M.Phil. & Ph.D. Thesis for S.R.T.M. University, Nanded and R.S.T.M. University, Nagpur.
- Worked as paper setter and examiner for M.Sc. Chemistry course in S.R.T.M. University, Nanded
- Worked as examiner and affiliation committee member for S.N.D.T. University, Mumbai
- Worked as affiliation committee member for Dr. B.A.M. University, Aurangabad.

#### **Extra-Curricular/ Extension Activities:**

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- Secretary, Sir Sayyed College Employees Co-op. Credit Society, Aurangabad.
- Appointed as External Examiner For Conducting Practical Examination by Dr. B.A.M. University, Aurangabad.
- Appointed as Examiner for the Assessment of B.Sc. And M.Sc. papers in Chemistry.
- Participated in the organisation of National Conference conducted by UGC.
- N.S.S. programme officer of N.S.S. (National Service Scheme) unit of Sir Sayyed College, Aurangabad.
- Worked As External Examiner for the evaluation of M.Phil. Thesis.
- Member of organizing committee of National Conference at Sir Sayyed College, Aurangabad.

- Member of Library Committee, Discipline Committee, Earn And Learn Committee, Well Fare Committee etc.
- Judge For Science Exhibition at District Level.
- Coordinator For Minority Scholarship given by Vaidyanic Janiwa Prkalap and Andhashraddha Nirmulan Samiti.
- Resource Person on Carbon Dating And Environmental Pollution Organized by Andhashraddha Nirmulan Samiti.
- Organized Health Check-up Camp.
- Organized Blood Donation Camp.
- Actively involved in various Government Activity.
- Chief Guest for the function of Wel-Come Party at High-Tech Institute of Management and computer Science, Waluj, Aurangabad.
- Chief Guest for the function of Book release at Kohinoor College, Khultabad.
- B.O.S. member in Chemistry for syllabus setting for B.Sc. at Shahu College, Latur.

#### **Articles Published in Newspapers:**

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- Sir Sayyed Ahmed Khan: Social Thinker,” Lokmat Times”, 17<sup>th</sup> Oct. 2004.
- Sir Sayyed Ahmed Khan, (in Marathi newspaper), dainik “Sandhyawarta”18<sup>th</sup> Oct. 2004.
- Gurukul padathijagvinare: pradhyapak, dainik “Sakal”, 6 Mar.2005.
- Dr. Omprakash Mundada, (In Marathi Language), dainik “Sakal”, 6 Mar.2005.
- Gurukul Padathi JagvinarePradhyapak: (in Marathi newspaper), dainik “Sanjaywarta”, 05<sup>th</sup> Mar., 2005.
- Dr. OmprakashMundada, (In Marathi Neaspaper), ,dainik “Sanjaywarta”, 05<sup>th</sup> Mar.2005.
- Artificial Rain: Sir Sayyed College Magazine, 2005-2006.

#### **Board of Study(BOS):**

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- Member BOS at Rajeshri Shahu College, Latur(Autonomous) in Subject Chemistry for Framing the Syllabus of B.Sc. and M.Sc., 2016-18.

#### **Organisation of Conference:**

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- Organised Chemistry Conference as **Convener** in Subject Chemistry on Advances in Chemical Sciences, Sponsored by UGC (WRO) on 13<sup>th</sup> & 14<sup>th</sup> Jan 2013.
- Organised One Day National Seminar as **Convener** on New Avenues in Research of Chemical & Biological Sciences on 1<sup>st</sup> Oct 2019.

**Invited Talk in Conference:**

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- Given invited talk as a Resource Person in National Conference at Nilkantrao Shinde College, Bhadrawati, Dist. Chandrapur.

**Dr. Sayyed Hussain Sajjansab**

Professor,

Dept. of Chemistry,

Sir Sayyed College,

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