

## CURRICULUM VITAE

1. **Name** : Dr. Shaikh Shafikh Maheub
2. **Designation** : Assistant Professor & Incharge Head
3. **Office Address** : Department of Botany, Y & M  
AKI's Poona College of Arts,  
Science & Commerce, New  
Modikhana, Camp, Pune-411 001



**E-mail:shaikhshafikh@gmail.com**

4. **Date of Birth** : 14: 08: 1983

### 5. Academic Qualification

Degree	Year	Institution/ Board	Country
Ph.D (Botany)	22 Feb -2010	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	India
M.Sc. (Botany)	2005	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	India
B.Sc.	2003	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	India
H.S.C.	2000	Majalgaon College / Aurangabad Divisional Board.	India
S.S.C.	1998	Jawahar Vidyalaya Camp Majalgaon / Aurangabad Divisional Board.	India

### 6. Teaching Experience

Duration	Position Held	Organization
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<ul style="list-style-type: none"> <li>• 2008-2010.</li> </ul>	Contributory Lecturer	<ul style="list-style-type: none"> <li>• Worked as contributory lecturer in Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during the academic year 2008-2010.</li> </ul>
From 2011-2016	In -charge Principal for Jr.College and ITI	<ul style="list-style-type: none"> <li>• Worked as In-charge Principal in M. S. P. Sanstha's Industrial Training Institute Hadapsar Pune-411028 from 2011 to 2016.</li> <li>• Worked as In-charge Principal in M. S. P. Sanstha's Rehmani Junior College Of Arts Commerce and Science, Hadapsar Pune-411028 from 2011 to 2016.</li> </ul>
Asistent Professor	From 2017	<ul style="list-style-type: none"> <li>• Currently working as an Assistant Professor (Approved Teacher by S.P. Pune University) in Department of Botany, Y and M AKI's Poona College of Arts Science and Commerce, Camp, Pune-411001 since 2017.</li> </ul>

**7. PhD Topic** : "Studies on Bio-extraction of Metals from Mineral ores and Industrial wastes".

**8. Area of Interest** : Metal Extraction, Environmental Microbiology, Plant Growth Promoting Rhizbacteria and Biohydrometalurgy, soil Microbiology.

**9. Courses Taught** : Cell and Molecular Biology/ Plant Pathology/ plant Morphology and Anatomy

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## 10. Membership of Learned Societies and Administrative Bodies;

- Life member of The Indian Science Congress Association

## 11. Abroad Visits

Nil

## 12. Publication Details

### a) Name of the Journals/ Books in which papers are published

- Dissolution of Iron using *Thiobacillus ferrooxidans*. Shaikh S. M. (2009) *Bionano Frontier*, volume. 4. Page No.93 - 94.
- *Degradation of Machine oil by Aerobic Microorganisms*. Shaikh S. M. (2009) *Bionano Frontier*, volume- 4. Page No.21 - 22.
  - *Effect of Sodium Chloride concentration on Extraction of Aluminum and Iron by Acidithiobacillus ferrooxidans Isolated from Bauxite Ore*. Shaikh S. M. (2009) *Geobios*, Volume-36, Page No. 306-308.
  - *Mycoflora of Iron Mine at Roha*. Shaikh S. M. (2009) *Life Sciences Bulletin*. Volume – 6 (3). Page No.319-321.
  - Effect of pH on bioextraction of metals from bauxite ore by *Thiobacillus ferrooxidans*. Shaikh S.M. (2010) *Journal of Scientific Research*, Volume 2 (2) Page No. 403-406.
  - Effect of Seasonal Variation in the rhizosphere microflora on the growth and Yield of Groundnut. Shaikh S.M. (2009) *Plant Disease Research*. Volume 24(2) page No. 193-195.
  - Degradation of Malathion by *Rhizobium* isolated from fenugreek (*Trigonella foenum graecum*). Shaikh S. M. (2010) *Journal of Biotechnology and Bioinformatics*. Volume 1(2) page- 240-242.
  - Effect of pH on aluminum extraction from bauxite ore by *Pseudomonas fluorescens*. Shaikh S. M. (2010) *Journal of Biotechnology and Bioinformatics*. Volume- 1(2) Page- 280-286.
  - Effect of temperature on extraction of Aluminum by *Thiobacillus ferrooxidans* from bauxite ore. Shaikh S. M. (2010). *Biosciences and Biotechnology Research Asia* Volume

7(1) page- 493-495.

- Screening of Some Plants For their Antifungal Activity Against Plant Pathogenic Fungi *In- Vitro*. Shaikh S. M. (2010) Life Sciences Bulletin Volume 7(1) page- 11-12.
- *Thiobacillus ferrooxidans Part-I*: contribution of cells for metal extraction. Shaikh Shafikh and Avinash Ade (2011) Pub. In Book, Scholarly articles in Botany: ISBN 978-81-8465-534-6; pp 24-27:
- Synergistic effect of *Pseudomonas fluorescens* and other bacteria on the extraction of metals from bauxite ore. Shaikh Shafikh and Avinash Ade. (2012) Pub. In Proceeding of state level seminar on “Recent Trends in Plant Sciences” ISBN: 978-81-924995-1-2.
- *Thiobacillus Ferrooxidans*: contribution of cells for metal extraction. Shaikh Shafikh and Avinash Ade (2012) International Journal of Biological and Biomedical Sciences pp. 01-02, Pub. Date: 12-11-2012.
- Antimicrobial Activity of Essential Oils Isolated from plants. Shaikh S. M. (2009) International Journal of Microbiology. Zafar S. Khan, Vishal N.Shinde, Shafikh M. Shaikh and Sahera Nasreen. (2011) Chaing Mai University, Journal of Natural Sciences. Volume 10 (1) pp 159-164
- Identification of the bacterium, *Pseudomonas fluorescens* isolated from bauxite ore through morphological and biochemical characteristics (2013) Shaikh Shafikh and Avinash Ade. Pub. In Book “Frontiers In Life sciences” ISBN- 978-93-5067-394-2
- Metal resistance in indigenous *Thiobacillus ferrooxidans* and *Pseudomonas fluorescens*. Shaikh Shafikh and Avinash Ade (2014) International Journal of Biological and Biomedical Sciences. Vol. 3(7) pp 044-046.
- Impact of Pulp Density on Extraction of metals, by *Acidithiobacillus ferrooxidans* and *Pseudomonas fluorescens* From Bauxite Ore. Shaikh Shafikh M., Aafreen A Ahemed and Sayed Abrar Ahemed(2018) Journal of Pure and Applied Microbiology, Volume 12(3)pp-1647-1654
- Protein profiling of the mutants of metal extracting bacteria, *Thiobacillus ferrooxidans* and *Pseudomonas fluorescens* S. M. Shaikh, R. U. Shaikh and A. B. Ade (2018) Journal of Scientific Research 10 (1) PP-61-66 (2018)

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### **1) Papers published in Conferences / Seminars**

- Synergistic effect of *Pseudomonas fluorescens* and other bacteria on the extraction of metals from bauxite ore. Shaikh Shafikh and Avinash Ade. (2012) Pub. In Proceeding of state level seminar on “Recent Trends in Plant Sciences” ISBN: 978-81-924995-1-2.

### **2) Papers presented in Conferences / Seminars**

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### **13. Participation in National/International One Week -duration Workshops**

- Participated in one day workshop on “High performance liquid chromatography.” Organized by Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, held on 7 January, 2007.
- Attended Regional workshop on “Intellectual Property Rights and Patenting.” Organized by, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Subcenter- Osmanabad, held on 23 October, 2007.
- Attended Regional workshop on “Value Added Computer Training” Conducted by I.C.T. Academy, Azam Campus, Pune (2013) at Rehmani Jr. College Hadapsar Pune- 411028.
- Participated in one day workshop on “Framing Of F. Y. BSc. Syllabus” Organized by Department of Botany, Anantrao Pawar College, Pirangute, Tal. Mulshi, Pune, held on 16 January, 2013.
- Participated in one day workshop on “Assessment and Accreditation methodology: Revised NAAC Guidelines” Organized by the IQAC, Y and M AKI’s Poona College of Arts, Science and Commerce, Camp, Pune- 411001 held on Tuesday 16<sup>th</sup> January, 2018.
- Participated in 60 days Hands on Practical Training workshop on “Technology Based Entrepreneurship Development Programme on Biotechnology” Organized by the Mitcon and Sponsored by National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, and Government of India New Delhi, from 18/09/17 to 04/11/2017.

- Participated in three days' workshop on "Teaching and Learning Center, Savitribai Phule Pune University Pune, Under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Funded by MHRD Govt. of India Organized at Department of Botany Savitribai Phule Pune University Pune on 20th - 22th December, 2018.
- Participated in the One week' workshop on "39<sup>th</sup> Community College Teachers Training Programme" Organized by the Indian Center For Research and Development of Community Education (ICRDCE) at Egmore, Chennai-600 008, INDIA on 10th - 15th December, 2018.

#### 14. Participation in Conferences / Seminars / Workshops;

- Attended National Conference on "Biodiversity: Taxonomy and Conservation" Organized by Department of Botany Majalgaon College Majalgaon held on 27 - 28 July 2002.
- Participated in National seminar on "Biotechnological Approaches towards the Integrated Management of Crop Diseases. Organized by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, held on 30 -31 July 2004.
- Participated in National conference on "Modern Trends In Plant Sciences." Organized by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, held on 6-7 October 2007.
- Attended National Seminar on "In the Role of Care-takers of Biosphere." Organized by Department of Botany, Vidya Pratisthans Arts, Science and Commerce College, Baramati, Dist. Pune-413 133, during 14, 15 and 16 February, 2008.
- Attended National Conference on "Plants: Biology to Biotechnology." Department of Botany, Yeshwant Mahavidyalaya, Nanded (M.S.), held on 23-24 February 2008.
- Attended State Level Seminar on "Sources and Applications of Phytochemicals." Organized by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, held on 27 October 2009.
- Attended National Level Seminar on "Emerging Trends In Biodiversity And Environment." Organized by Institute Of Science, Aurangabad held on 26 February

2010.

- Attended one-day state level seminar on “ Demystifying Genetically Modified Crops in India and Current Trends in Plant Sciences” Organized by Department of Botany, Poona College of Arts, Science and Commerce, Camp Pune-411001 and Maharashtra Hybrid Seeds Co. Ltd. Jalna held on 27 October 2009.
- Attended National Seminar on “Plant Biodiversity for Sustainable Development” Organized by Department of Botany, University of Pune, Pune-413 133, during 14, 10 and 12 March, 2011.
- Attended one-day state level seminar on “ Recent Innovative Trends In Plant Sciences” Organized by Department of Botany, Mahatma Phule A. S. C. College of Arts, Science and Commerce, Panvel, held on 01 September 2012.
- Participated in one-day National level Faculty Development Programme on “Understanding Plagiarism for Academic Integrity” Jointly Organized by Department of Library and information Science and Internal Quality assurance Cell (IQAC), held on 29 March 2018.
- Participated in one-day National level Seminar on “Enhancing Quality in Teaching Learning Process” Organized by Y and M AKI’s Poona College of Arts, Science and Commerce, Camp, Pune- 411001, held on 09 August 2018.
- Attended National Seminar on “National Seminar On Advances In Plant Sciences” Organized by Department of Botany, University of Pune, Pune-411 007, during, 12 and 13 January, 2018.

#### **15. Contributions to Corporate Life**

- Nil

#### **16. Supervising the Ph.D. Candidates:**

- Nil

Dr. shaikh shafikh

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**10. Other Innovative Activities- Appointed as Reviewer** –Advanced Journal OF Physical Sciences Published by Access International Journals, America.

Participated in Two Years of **National Service Scheme** Program From 2003-2005 at Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad