

## Curriculum Vitae



Dr. Archana Dnyaneshwar Chapollikar

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Department of Chemistry

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h Interests                      mental Chemistry, Computational Chemistry  
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olar Profile Link (if any)    [scholar.google.com/citations?user=wbUvkHgAAAAJ&hl=en](https://scholar.google.com/citations?user=wbUvkHgAAAAJ&hl=en)  
iate Profile Link (if any)    [www.researchgate.net/profile/Archana-Chapollikar](http://www.researchgate.net/profile/Archana-Chapollikar)  
Profile Link (if any)         [independent.academia.edu/archanachapollikar](http://independent.academia.edu/archanachapollikar)

### ● ACADEMIC RECORD

- PhD : “Physico chemical and regression analysis of waste water of Thane -Belapur Industrial area, Mumbai” under Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.(December 2008)
- Post-Graduation (. M.Sc. (Physical Chemistry): Dr.Babasaheb Ambedkar Marathwada University, Aurangabad. ( June, 1994)

### ● HONORS AND AWARDS

- **Sardar Vallabhbhai Patel : The Iron Man of India :2021 Academic Award for the Best Mentor on 31st October 2021 organised by** Universal Group of Institutions,Lalru,Chandigarh in Collaboration with IARDO and Conference World
- **Best Social work award on 05th September 2019** by National Pratishthan Kala Sanskruti ani Sahitya Sanstha,Aurangabad.
- NSS best Unit award by Dr. Babasaheb Ambedkar Marathwada University Aurangabad in 2017
- NSS best unit Award by Dattaji Bhale blood bank, Aurangabad in 2015.
- Awarded for excellent work in electrical safety measures for NSS by Electrical inspection office, Aurangabad

- Awarded for excellent work in Traffic control and safety measures for NSS by RTO Office, Aurangabad.
- Awarded for the excellent work done for the Anti-alcoholic Drive by Jai Vishvakarma Survoday Sanstha Vysan Mukti Kendra.

### **MEMBERSHIP:**

- Indian Science Congress

### **REVIEWER/EDITOR**

- **RESEARCH EXPERIENCE 18 YEARS**

### **❖ Research Projects And Grants Received As Investigator:**

Major : Nil

Minor : Nil

#### **Research Guide**

- Ph. D. Supervisor Recognized in the subject of Chemistry, **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.**

Students Awarded—01

Students registered—04

### **❖ Publications:**

1. Ajaykumar Gandhi, Vijay Masand, Magdi E. A. Zaki, Sami A. Al-Hussain, Anis Ben Ghorbal, Archana Chapolikar, *QSAR analysis of sodium glucose co-transporter 2 (SGLT2) inhibitors for anti-hyperglycaemic lead development*, SAR and QSAR in Environmental Research, 32:9, 731-744, DOI: 10.1080/1062936X.2021.1971295 Link to this article: <https://doi.org/10.1080/1062936X.2021.1971295> (**Impact Factor: 3.000**)
2. Ajaykumar Gandhi, Vijay Masand, Magdi E. A. Zaki, Sami A. Al-Hussain, Anis Ben Ghorbal, Archana Chapolikar, Quantitative Structure–Activity Relationship Evaluation of MDA-MB-231 Cell Anti-Proliferative Leads, *Molecules* 2021, 26(16), 4795; DOI: 10.3390/molecules26164795. Link to this article: <https://doi.org/10.3390/molecules26164795> (**Impact Factor: 4.411**)
3. V.H. Masand, V. Rastija, M.K. Patil, Ajaykumar Gandhi & Archana Chapolikar Extending the identification of structural features responsible for anti-SARS-CoV activity of peptide-type compounds using QSAR modelling, SAR and QSAR in Environmental Research, 31:9, 643-654, DOI: 10.1080/1062936X.2020.1784271 Link to the article: <https://doi.org/10.1080/1062936X.2020.1784271> (**Impact Factor: 3.000**)
4. Participated and published paper entitled Covid 19 and Role of ICT Tools in Chemistry Education in the One day National webinar sponsored by NAAC and organised by IQAC of Government college of Arts and Science, Aurangabad. on 5th July 2021.

### **❖ Conference Papers**

1. Ajaykumar Gandhi, Vijay Masand, Archana Chapolikar, International Conference On Multidisciplinary Aspects of Environment and Sustainable Development after Covid-19 Pandemic, QSAR Evaluation of Amylase Inhibitors for the anti-Hyperglycemic Lead Development

2. Ajaykumar Gandhi, Vijay Masand, Archana Chapolikar, QSAR Evaluation of Glucagon Receptor (GCGR) Antagonists for the Anti-Hyperglycemic Lead Development, Virtual International Conference on Multifunctional Advanced Materials organized by Department of Chemistry, Jnan Vikas Mandal's Degree College, Airoli and Association of Chemistry Teacher (ACT) C/o Homi Bhabha Centre for Science Education (TIFR) Mumbai, on 9-10<sup>th</sup> August 2021. (2nd Prize)

3. Ajaykumar Gandhi, Vijay Masand, Archana Chapolikar. Pharmacophore Modeling of some of the novel 1, 3, 4-thiadiazole derivatives, International Conference on Drug Discovery 2020, held at BITS-Hyderabad, 29th Feb - 2nd Mar 2020.

#### 1. **Books**

- 1. Plastic waste management page. No. 45-51 in the book "**Emerging trends in life science**", Editor Dr. Pradeepkumar, Learning Media Publication, Meerut.

- 2. **Natural Heterocyclic, Extraction & Biological Activity (e-Books)** NOVA, Publishers, New York 978-1-63463-462-5, 2015.

3. **Anatomy and Histology of Rose Chafer ISBN:978-93-82504-97-9**, New voices publication, Aurangabad

4. **Handbook of Practical Chemistry by Dr. Bapu Thorat and Dr. Archana Chapolikar.**

5. **Brief review on Phytochemistry and Pharmacology of Impatiens balsamina, by Dr. Bapu Thorat and Dr. Archana Chapolikar. (page no.1-21)** Zoology: Bio-Umbrella Volume-1, SCIENGPUBLICATIONS, Tamilnadu, (India) ISO-9001:2015

#### • **Presentations and Invited Lectures**

Paper Presentation,

1. Archana Chapolikar, Ajaykumar Gandhi, Vijay Masand, International Conference On Multidisciplinary Aspects of Environment and Sustainable Development after Covid-19 Pandemic, In Silico evaluation of Bromodomain family protein Inhibitors for the optimization to Therapeutic Drug against Breast Cancer : A Quantitative Structure Activity Approach organised by RajRishi Government Autonomous college, ALWAR, Rajasthan from 15-18th December 2021.

2. Ajaykumar Gandhi, Vijay Masand, Archana Chapolikar, International Conference On Multidisciplinary Aspects of Environment and Sustainable Development after Covid-19 Pandemic, QSAR Evaluation of Amylase Inhibitors for the anti-Hyperglycemic Lead Development organised by RajRishi Government Autonomous college, ALWAR, Rajasthan from 15-18th December 2021.

3. Ajaykumar Gandhi, Vijay Masand, Archana Chapolikar, QSAR Evaluation of Glucagon Receptor (GCGR) Antagonists for the Anti-Hyperglycemic Lead Development, Virtual International Conference on Multifunctional Advanced Materials organized by Department of Chemistry, Jnan Vikas Mandal's Degree College, Airoli and Association of Chemistry Teacher (ACT) C/o Homi Bhabha Centre for Science Education (TIFR) Mumbai, on 9-10<sup>th</sup> August 2021. (2nd Prize)

4. Ajaykumar Gandhi, Vijay Masand, Archana Chapolikar. Pharmacophore Modeling of some of the novel 1, 3, 4-thiadiazole derivatives, International Conference on Drug Discovery 2020, held at BITS-Hyderabad, 29th Feb - 2nd Mar 2020.

5. Synthesis and characterization of Ag nanoparticles, Paper presented in International Multidisciplinary Research conference on Biodiversity, Climate change, Environment and Life sciences. at S.B.E.S College, Aurangabad on 29-30 July 2019.

6. Kinetics of cadmium solution Paper presented in National seminar on new avenues of research in chemical and Biological Sciences, Sir Sayyed college of Arts, Commerce and Science, Aurangabad ( 01 October 2019

7. Adsorptive removal of methylene blue dye from an aqueous solution using Marbel powder as a low cost adsorbent, Emerging Trends and Issues in Research and Developments, Maharaja Sayajirao Gaikwad Arts, Science and Commerce College, Malegaon

8. Presented paper in National Interdisciplinary conference on Gender Sensitization and its awareness on Women empowerment in Science and Technology. held on 17th March 2018 organised by Government college of Arts and Science, Aurangabad and sponsored by Maharashtra State Commission for women.

## Workshop,

Worked as a Resource Person in “Applied chemistry” held at Dept. of Chemistry, Govt.

College of Arts & Science, Aurangabad-431001. 28th Jan.2009

### ● TEACHING EXPERIENCE

PG: 09 Years

UG: 16 Years

### ● PROFESSIONAL TRAINING

□ STC, Developments in Advance drug Delivery Systems and Drug Discovery to Treat Life Threatening Diseases, Jawaharlal Nehru Technological University, Hyderabad, 22/06/2020 to 27/06/2020, 1 Week,

□ Maharashtra State Development of Educators and Enhancement in Delivery (MS-DEED) Program for Maharashtra State Science and Mathematics Teachers from Higher Education Institutes to be held by Centre of Excellence in Science and Mathematics Education (CoESME), at IISER Pune 27-01-22 TO 29-01-22

	of the course/ nmer school	Place	Duration	Sponsoring agency
	ntation course	BAMU,Aurangabad	010 to27/02/2010	GC-Academic Staff College, Aurangabad.
	resher course	BAMU,Aurangabad	5/08/2012 to 29/08/2012	GC-Academic Staff College, Aurangabad.
	resher course	BAMU,Aurangabad	/06/2014 to 25/06/2014	GC-Academic Staff College, Aurangabad.
	t Term Course	BAMU, Aurangabad	5/01/2017 to 21/01/2017	Human Resource Development Centre, Dr. BAMU, Aurangabad

	refresher course Chemistry	SWAYAM ARPIT Online course	16 weeks held on 16-02-2020	SWAYAM ARPIT Online course
	SPONSORED SHORT COURSE	<i>Changes in Discovery of viral Agents and Vaccines”</i>	2020 to 13/06/2020.	DR. J. C. RAMANUJAM CENTRAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
	Faculty development	<i>training program on Exploring ICT Tools developing proficiency in achieving learning</i>	05-05-2020 to 11-05-2020	Government college of Arts and Science, Warangal.

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□ Professional Affiliations

● ISCA

● **COMPUTER SKILLS**

● MS-CIT,

● MS-OFFICE

● MS-Excel, Power Point and Chem Draw.

● **Community Services**

● Worked as NSS PROGRAM Officer for 04 years.