

### **Faculty Profile**

- 1. Name of the faculty:** Dr. Arun Karansing Valvi
- 2. Name of the Department:** Department of Chemistry
- 3. Educational qualifications:** Ph.D. (ICT Mumbai), M.Sc.
- 4. Present position:** Assistant Professor
- 5. Address for correspondence:** 111, Madhuban Palace,  
Matoshri Builders, Manchar
- 6. E-mail and contact number:** arunvalvi99@gmail.com & 9921284548
- 7. Specialization:** Organic Chemistry
- 8. Total teaching experience:** 3 years 4 months
- 9. Courses taught:** UG/PG (Organic Chemistry)
- 10. Research experience:** 10 years
- 11. Publication of research papers:** in peer reviewed journals, non-peer reviewed journals, conference proceedings, impact factors, UGC notified journals

Sr. No.	Title of the paper	Name of journal	ISSN No.	Impact factor h-index	Year
01	Concentration-dependent solvent effect on the SNAr reaction between 1-fluoro-2,4-dinitrobenzene and morpholine	Journal of Physical Organic Chemistry	1099-1395	2.155	2016
02	Temperature-Dependent Empirical Parameters for Polarity in Choline Chloride Based Deep Eutectic Solvents	Journal of Physical Chemistry B	1520-5207	3.466	2017
03	“Zero VOC” Synthetic Strategy – Aromatic Amination Reactions in Deep Eutectic Solvents	European Journal of Organic Chemistry	1099-0690	3.261	2018
04	Solvent-Controlled Regioselectivity in Nucleophilic Substitution Reactions of 1-X-2,4-Difluorobenzenes with Morpholine Using Deep Eutectic Solvents	Chemistry Select	2365-6549	2.307	2021
05	Phytochemical analysis, anti-oxidant and anti-inflammatory of Belosynapsis vivipara leaves and roots	International Journal of Botany Studies	2455-541X	RJIF 8.00	2021

06	Phytochemical Study, Antioxidant and Anti-inflammatory Activity of the Carvia Callosa (Nees) Bremek	International Journal of Aquatic Science, 2021, 12 (2), 4769-4775	2008-8019	7.86	2021
07	Nano catalyst derived from plant Polyzygus Tuberosus: A suitable for efficient and green synthesis of benzimidazole derivatives	Materials Today: Proceedings <a href="#">Volume 50, Part 5</a> , 2022, Pages 1522-1526	2214-7853	1.46	2021
08	One-Pot synthesis of 2-sustituted-4-methylthiazole-5-carboxylates from ethyl acetoacetate and thiourea by using oxone and Iodobenzene reaction system	Materials Today: Proceedings <a href="#">Volume 58, Part 2</a> , 2022, Pages 749-752	2214-7853	1.46	2022
09	An Organo-Heterogeneous Catalyst for Synthesis of Benzimidazole Derivatives Using Nanoparticles Synthesized from Plant Extract and supported on Montmorillonite K10	Materials Today: Proceedings <a href="#">Volume 58, Part 2</a> , 2022, Pages 764-768	2214-7853	1.46	2022
10	Synthesis of Benzimidazole Derivatives in An Aqueous Media and Reflux Conditions Catalyzed by Glycine at pH 5.2 Under Microwave Approach	Materials Today: Proceedings <a href="#">Volume 58, Part 2</a> , 2022, Pages 769-772	2214-7853	1.46	2022
11	Synthesis of benzimidazole and Benzothiazole derivatives using reusable waste stem of Trigonella foenum-graecum assisted zinc sulphide nanoparticles: a green and efficient solid acid catalyst	Materials Today: Proceedings <a href="#">Volume 73, Part 3</a> , 2023, Pages 481-486	2214-7853	1.46	2023

## 12. Minor research projects completed/Ongoing

Sr. No.	Title of the project	Duration of the Project	Grant received	Funding agency	Completed /Ongoing
1	Solvent Effect on Reactivity of Aromatic Nucleophilic Substitution	2 Years 2020-22	2,00,000	RUSA	Ongoing
2	Effect of Neoteric Solvent on Reactivity of Aromatic Nucleophilic Substitution	2 Years 2021-23	25,000	AAC Manchar	Ongoing

**13. Participation in conferences, symposia, seminars and workshops: International, National, State or University Level, Attended / Presented Paper, Chaired Session, Resource Person, etc.**

➤ **Paper/Poster Presented in Conferences**

Sr. No.	Title of paper presented	Conference Name & Organized by	Date
1	Assessment of Seed-Borne Fungi of Sunflower ( <i>Helianthus Annus L.</i> ) and their Applications in Synthesis of Zinc Oxide Nanoparticles	International Conference on Innovative Research in Science and Technology (IRST-2023) organized by Shobhit Institute of Engineering and Technology, Meerut	May 23 – 25, 2023
2	Hybrid Nanocomposite of Chitosan / Polyvinyl Alcohol and Green Synthesized Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Nanoparticles for Food Packaging Application	“3rd International Conference on Functional Materials, Manufacturing and Performances (ICFMMP-2022)” organized by Division of Research and Development, Lovely Professional University, Punjab.	July 29 - 30, 2022
3	Synthesis of Benzimidazole and Benzothiazole Derivatives Using Reusable Waste Stem of <i>Trigonella Foenum-Graecum</i> Assisted Zinc Sulphide Nanoparticles: A Green and Efficient Solid Acid Catalyst	International Conference on "Integrative Nanotechnology Perspectives for Multidisciplinary Applications – 2022" & Annasaheb Awate College, Manchar	January 16 – 18, 2022
4	Nano catalyst derived from plant <i>Polyzygus Tuberosus</i> : A suitable for Efficient and Green Synthesis of Benzimidazole Derivatives	2 <sup>nd</sup> International Conference on functional materials, Manufacturing and Performance & Lovely Professional University, Punjab	September 17 – 18, 2021
5	Green Synthesis of Zinc Oxide nanoparticle leaf extraction method by using Sapodilla (chiku) leaf and Crusted apple leaf	International E-Conference on Futuristic Aspects in nanotechnology & Department of Chemistry, Karmaveer Bhaurao Patil College, Vashi	March 15 – 16, 2021
6	Solvent-Controlled Regioselectivity in Nucleophilic Substitution Reactions of 1-X-2,4-Difluorobenzenes with Morpholine Using Deep Eutectic Solvents	International E-Conference on Futuristic Aspects in nanotechnology & Department of Chemistry, Karmaveer Bhaurao Patil College, Vashi	March 15 – 16, 2021

➤ **Conference/Seminar attended**

**Seminars**

Sr. No.	Name of the Seminar	Name of the Sponsoring Agency	Place & Date	Duration (days)
1	International E-seminar on Impact of Anthropogenic Activities and Natural Calamities on Biodiversity	Self-funded	Online & March 15, 2022	01
2	National E-seminar on Intellectual Property Rights (IPR) and Patent Filing	Self-funded	Online & June 23, 2021	01
3	Research Writing and Enhancing Visibility	Self-funded	Online & May 21, 2020	01
4	e-Content Development Methodology: Four Quadrant Model, OERs and Copyright Issues	Self-funded	Online & May 15, 2020	01
5	Challenges and Opportunities in Higher	Self-funded	Online &	01

	Education in India for the 21 <sup>st</sup> Century		May 8, 2020	
6	Corona Pandemic and Economic Challenges in India	Self-funded	Online & May 4, 2020	01
7	Challenges & Opportunities Before Indian Higher Education Due to Covid-19	Self-funded	Online & May 2, 2020	01

### Conferences

Sr. No.	Name of the Conference	Name of the Sponsoring Agency	Place & Date	Duration (days)
1	3rd International Conference on Functional Materials, Manufacturing and Performances (ICFMMP-2022)”	Self-funded	Division of Research and Development, Lovely Professional University, Punjab.	02
2	International Conference on "Integrative Nanotechnology Perspectives for Multidisciplinary Applications – 2022”	Self-funded	Annasaheb Awate College, Manchar & January 16-18, 2022	03
3	2 <sup>nd</sup> International Conference on Functional Materials, Manufacturing and Performances (ICFMMP-2021)	Self-funded	Online & September 17-18, 2021	02
4	International E-conference on Recent Advances in Chemical, Physical and Biological Sciences,	Self-funded	Online & June 29-30, 2021	02
5	International E-Conference on Emerging Trends in Bioscience and Technology (ETBT 2020)	Self-funded	Online & June 1-3, 2020	03
6	International E-conferences on Strategies & Challenges in Higher Education During Covid-19 Lockdown Period on India with Reference to the World	Self-funded	Online & May 15-17, 2020	03
7	National Conference on Applications of Quantum Chemistry	Self-funded	Online & May 3, 2020	01

### Workshops

Sr. No.	Name of the Workshop	Name of the Sponsoring Agency	Place & Date	Duration (days)
1	National Education Policy (NEP) 2020 – Its Relevance in NAAC Accreditation	Annasaheb Awate College, Manchar	AAC Manchar & October 14, 2021	01
2	One Week Online Workshop on NAAC Accreditation Process.	Self-funded	Online & April 15 - 22, 2021	07
3	Three Days workshop on GC/GC-MS, HPLC and FT-IR Techniques,	Department of Chemistry, Karmaveer Bhaurao Patil College, Vashi	Online & March 25 - 27, 2021	03
4	Research Methodology Workshop	Department of Chemistry, Karmaveer Bhaurao Patil College, Vashi	Online & February 12, 2021	01

5	NET-SET Workshop	Department of Chemistry, Karmaveer Bhaurao Patil College, Vashi	Online & April 25 – 26, 2020	02
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#### 14. Books published: with ISBN No., without ISBN No., Chapters in books.

Sr. No.	Name of Author/s	Name of book and publisher	ISBN/ ISSN No.	Year	National/ International
1	Hemangi Gavit and Arun Valvi	Implementation of New Education Policy 2020: Adaptation of Guidelines on NHEQF & FYUP <b>Publisher:</b> Rayat Shikshan Sanstha's Annasaheb Awate College, Manchar.	978-81-962293-0-6	2023	National

#### 15. Participation in co-curricular and extra-curricular activities.

- Worked as **Chairperson** for Research Paper, Journal Communication Committee for International Conference on Integrative Nanotechnology Perspective for Multidisciplinary Applications 2022 (INPMA 2022) held on January 16-18, 2022.
- Organizing State Level Online Workshop entitled “Joint CSIR-UGC NET (JRF/LS) & SET Preparation of Frontiers in Research” held on August 28 – September 2, 2021.
- Worked as **Coordinator** for Science Quiz Competition on the occasion of National Science Day held on February 28, 2022.

#### 16. Refresher/Orientation/Faculty development Programme / short term courses attended

Sr. No.	Name of Programme	Place	Duration	Sponsored Agency
<b>Orientation Programme</b>				
1	4-Week Induction/Orientation Programme for Faculty in Universities/Colleges/ Institutes of Higher Education	Online	June 04 – July 01, 2020	Self-funded
<b>Refresher Courses</b>				
1	Interdisciplinary Refresher Course on Curriculum and Pedagogy	Online	June 07 – June 21, 2021	Self-funded
2	Two Week Online Interdisciplinary Refresher Course on Digital Tools in Higher Education	Online	August 17 – August 30, 2021	Self-funded
<b>Faculty Development Programme</b>				
1	Safer And Greener Chemistry Labs	Online	July 19 – July 25, 2022	Self-funded
2	Qualitative Research & Issues in Plagiarism (An Interdisciplinary Approach)	Online	August 5 – August 11, 2021	Self-funded
3	Quality Assessment & Enhancement in Higher Education in the Light of New Framework of NAAC	Online	June 22 – June 29, 2021	Self-funded

4	Quality Enhancement & Assessment – Way Ahead	Online	June 16 – June 20, 2021	Self-funded
5	Recent Trends and Challenges in Research	Online	May 10 – May 18, 2021	Self-funded
6	Institutional Benchmarking of Best Practices	Online	June 8 – June 14, 2020	Self-funded
7	Modern Teaching, Evaluation and Research Methods	Online	June 2 – June 7, 2020	Self-funded
8	MOOCs, E-Content Development and OER	Online	May 28 – June 3, 2020	Self-funded
9	NAAC Assessment and Accreditation	Online	May 21 – May 26, 2020	Self-funded
10	Managing Online Classes and Co-creating MOOCS:2.0	Online	May 18 – June 3, 2020	Self-funded
11	Creating Perspectives	Online	May 16 – May 22, 2020	Self-funded
12	Innovation, IPR & Entrepreneurship	Online	May 4 – May 10, 2020	Self-funded
<b>Short Term Courses</b>				
1	Online Short-Term Course on ICT Tools in Chemistry	Online	May 12 – May 13, 2021	Self-funded

**17. Conferences, seminars, symposia and workshops organized as convener/coordinator:**

Sr. No.	Name of Conference/ Funding agency/	Place and Dates of conference	Position held	National/ International
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**18. Leadership Activities**

1. Working as **Chairman** of Remedial Coaching Committee, Annasaheb Awate College, Manchar, 2021-22 & 2022-23
2. Working as **Chairman** of Spectrum (Wallpaper) Committee, Annasaheb Awate College, Manchar, 2021-22 & 2022-23
3. Worked as **Chairman** of Student Welfare Committee and Student Council, Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai, 2020-21
4. Worked as **Co-chairperson** of Criteria-IV (IQAC), Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai, 2020-21

**19. Contribution to University level**

1. **External Senior Supervisor** for University Examination October 2022.
2. **External Examiner** for S.Y.B.Sc. & M. Sc. Chemistry Practical Examination October- 2022

**20. Contribution to College level**

1. Working as a Member of Criteria-II (IQAC), Annasaheb Awate College, Manchar, 2021-22 & 2022-23
2. Working as a Member of Foundation Course Committee, Annasaheb Awate College, Manchar, 2021-22 & 2022-23
3. Worked as a Member of Admission Committee, Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai, 2020-2021

- 21. Awards /recognitions received: International, National, State, University level: Editorial board, Reviewers for Journals, Teachers awards, Prize in poster presentation, paper reading in conference/seminar, awards related to social work etc.**

**Editorial Board**

<b>Sr. No.</b>	<b>Name of the Conference</b>	<b>Position Held</b>	<b>International / National</b>
1	International Conference on "Integrative Nanotechnology Perspectives for Multidisciplinary Applications – 2022" (INPMA 2022)	Head of Editorial Board for Abstract Book INPMA 2022	International

**Reviewer for Journal**

<b>Sr. No.</b>	<b>Name of the Journal</b>	<b>Position Held</b>	<b>International / National</b>
1	Materials Today: Proceedings (Elsevier)	Reviewer	International

**22. Special Achievement:**

1. Awarded **Second Prize** in the Online Running Competition named “FIT INDIA” organized on 22 September 2021 by Annasaheb Awate College, Manchar.