

CURRICULUM VITAE

DR. NITIN MOTILAL ATRE

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CAREER OBJECTIVE

To present me & my credentials for a position with the growth-oriented organization that required an honest hardworking, ambitious person who acquired education skills, a positive attitude, and will be directed toward continued growth and advancement of both organization and self.

PROFESSIONAL EXPERIENCE

POST	ORGANIZATION	DURATION	TOTAL EXP.
Research Associate - I	Bioinformatics and Data Management, ICMR - National Institute of Virology, Pune	25/09/2019 – till date	> 2.6 years
Research Scholar (PhD)	P. G. Department of Botany, Shri Shivaji Science College, Amravati	15/01/2015 – 07/09/2019	~ 4.8 years
Lecturer (Fix-Pay)	P. G. Department of Bioinformatics, Shri Shivaji Science College, Amravati	15/07/2009 – 29/04/2016	~ 7 years
Technical In-Charge (Additional Charge)	Central Instrumentation Cell (CIC), Shri Shivaji Science College, Amravati	27/05/2013 – 31/07/2015	
Project Assistant	Bioinformatics Cell, BCS In-silico Biology, Lucknow	15/05/2008 – 15/06/2009	> 1 year

ACADEMIC QUALIFICATION

COURSE	YEAR	SUBJECT(S)	UNIVERSITY	PERCENTAGE
Ph.D.	2019	Botany	S. G. B. Amravati University, Amravati, Maharashtra	C.W.: 9.58 (SGPA)
M. Sc.	2008	Bioinformatics	S. R. T. M. University, Nanded, Maharashtra	68.87%
B. Sc.	2006	Biology (CBZ)	S. G. B. Amravati University, Amravati, Maharashtra	54.14%

ACADEMIC ACHIEVEMENT

- ✓ Served the Country (India) as “ICMR – NIV: COVID-19 WORRIER” during the COVID-19 pandemic in India
- ✓ Working as **Project Research Associate – I** for ICMR, India funded project entitled “**ArVirInd: A database of Arbo-viral proteins from the Indian subcontinent**” under PI: **Dr. Pratip Shil**, Scientist D, Bioinformatics and Data Management, ICMR-National Institute of Virology, Pashan campus, Pune (25 Sep 2019 – till date)
- ✓ Represented the **Sant Gadge Baba Amravati University, Amravati (COLOUR COAT)** at *10th Maharashtra State level AVISHKAR 2015 – Pure Science PPG category*; on 9-13 January 2016; Savitribai Phule Pune University, Pune, Maharashtra, India.
- ✓ **Best Poster Prize (II)** for my poster entitled “*Insilico Protein Structure Prediction of HXB2=viral protease from HIV-1 genome*” at National Seminars on “*BIOTECH 2010: Trends in rDNA Technology*” on 14-15 November 2010, Dr. Babasaheb Ambedkar Marathwada University Sub Campus, Osmanabad, Maharashtra, India.

PROFESSIONAL SOCIETY MEMBERSHIP

- ✓ SOCIETY FOR ETHNOPHARMACOLOGY (SFE-INDIA): 2021-2026 (Membership ID: *SFE/21/I-1656*)

PROFESSIONAL SKILLSET

RESEARCH INTEREST:

- ❖ Knowledge discovery, data mining, and visualization in chemistry and biology
- ❖ Bioinformatics, chemo-informatics, drug-designing, and structural chemistry
- ❖ Biological and clinical data management and clinical research

ANALYTICAL INSTRUMENTS HANDLED AND WORKED ON:

- ❖ SHIMADZU – IRAffinity (FTIR)
- ❖ SHIMADZU – UFLC 20AD (HPLC)

- ❖ SHIMADZU – UV-VIS spectrophotometer
- ❖ SHIMADZU – AAS 7000 (AAS)

SCIENTIFIC TOOLS USED:

- ❖ Modeller9v3
- ❖ Autodock 4, Schrodinger–Mastro, Vlife
- ❖ MATLAB
- ❖ GROMACS 2020.2 (MD simulation)
- ❖ PowerBI (Dashboard Development)
- ❖ Data Studio (Dashboard Development)
- ❖ Cytoscape 3.8 (Network Pharmacology)
- ❖ QGIS 3.14, ArcGIS, OpenGrADS (Geographic Information System)

BIOINFORMATICS SKILL SET:

- ❖ Sequence Alignment Tools : BLAST, FASTA, DOTPLOT, CLUSTALW, GeneDoc
- ❖ Molecular Modeling Tools : Chemskech, Hyperchem, MMDB
- ❖ Structure Prediction Tools : Geno3D, GOR IV, SOPMA, HNN, PredictProtein
- ❖ Structure Validation Tools : Premier Primer, ORF Finder, Mol-inspiration, VERIFY 3D
- ❖ Docking Tools : Hex 4.0, Argus Lab, Modeller9v3, Autodock 4, Schrodinger–Mastro
- ❖ Molecular Dynamics Simulation : GROMACS, GNPLOT

COMPUTER SKILL SET:

- ❖ Operating System : MS-DOS, Window 95, 98, 2000, XP, Linux
- ❖ Application Package : MS-Office, Photoshop CS, Flash, PageMaker, CorelDraw
- ❖ Front End Tools : Visual Basic 6.0, Front Page, CGI, Perl-TK
- ❖ Database : Oracle 9i (SQL & PL-SQL), MS-Access, My-SQL
- ❖ Internet Tools : HTML, DHTML, CSS, Dreamweaver 8, PHP
- ❖ Server Technology : Apache, WAMP server
- ❖ Programming Language : C, Perl (CGI, TK, DBI) and Bio-Perl, Python

PROJECT(S): CURRENTLY WORKING ON

RESEARCH ASSOCIATE (POST-DOC) – PROJECT:

PI: Dr. Pratip Shil, Scientist E, Bioinformatics and Data Management, ICMR-NIV, Pashan Campus, Pune

ArVirInd: A DATABASE OF ARBOVIRAL PROTEINS FROM THE INDIAN SUBCONTINENT

ArVirInd is a knowledge-base of Arbo-Viral proteins from India and its neighborhood. This is an annotated database, which acts as a repository of Protein sequences for arboviruses along with antigenic information. Users can search for protein sequences by virus/protein name or by country of origin (India and countries of the Indian subcontinent: Nepal, Bhutan, Bangladesh, Sri Lanka, Pakistan) and year of collection (that is, the year of the outbreak which defines the origin of the strain). This is a unique feature of *ArVirInd*.

The sequences already published in various databases were obtained and subjected to *in-silico* antigenic characterization using advanced Bioinformatics tools. Data mining was performed to trace the year of the outbreak associated with the strain for each entry. For each sequence, this database provides the following information: Amino acid sequence in FASTA format, country and year of origin, predicted antigenic properties, N-glycosylation sites, etc.

ArVirInd is a repository of information dedicated exclusively to India and neighboring countries. To begin with, the following viruses are covered: Dengue viruses (all serotypes), Japanese encephalitis, and West Nile. Work on other viruses relevant to the Indian subcontinent (Chikungunya, Chandipura, etc) is under progress. For submission of sequence data to the database please visit the "Submit Sequence" section. Compilation of *ArVirInd* is an initiative by ICMR-National Institute of Virology, Pune.

Available at: <http://arvirind.co.in/>

PROJECT(S): WORKED DONE ON

RESEARCH SCHOLAR (Ph.D.) – PROJECT:

GUIDE: Dr. Dinesh Khedkar, Professor, Department of Botany, Shri Shivaji Science College, Amravati

DIGITIZATION AND BIOPROSPECTING OF MEDICINAL PLANT TREASURE FROM MELGHAT REGION USING BIODIVERSITY INFORMATICS

Melghat's Plant databank (MPdb) is a curated database which has been constructed via literature mining followed by manual curation of information gathered, enlists 131 families, 562 genera, and 1032 plant records from Melghat region categorized in Aquatic, Bamboo, Climbers, Grasses, Herbs, Orchids, Shrubs and

Trees. Curated information gathered for ethnobotanical and medicinal plants from the Melghat region reached **661 medicinal plant records** in MPdb enlists as *Aquatic* (4), *Bamboo* (2), *Climbers* (74), *Grasses* (154), *Herbs* (497), *Orchids* (25), *Shrubs* (136) and *Trees* (140). MPdb records show the number of plants frequently used to treat *Fever* (177 species), *Skin problems* (168 species), *Diarrhea* (150 species), *Diuretic* (139 species), *Asthma* (128 species), *Tonic* (135 species), *Dysentery* (124 species), *Cough* (115 species), *Pain* (118 species), *Wounds* (113 species), *Ulcer* (113 species), *Astringent* (113 species), *Cancer* (103 species), etc. from a wide range of plant families. Importantly, MPDB records show **>3344 phytochemicals** with respective plant records and related citations. Plant-derived active anti-cancer compounds library of **163 compounds** were recorded. Active compounds library is assembled with curated **686 in-vitro activity** records and **612 target protein** records. Best five dock score against the *Human Hsp90* target (PDB ID: 1YET) protein **Solamargine** (Dock Score: -11.6), **Withanoside IV** (Dock Score: -10.58), **Glaucarubol** (Dock Score: -10.06), **Cucurbitacin** (Dock Score: -9.65) and **Pristimerin** (Dock Score: -9.52). For each docking result, pharmacophore analysis and alignment were performed.

Available at: <http://mpdb.co.in/>

M.Sc. – PROJECT:

ENZ – IMS: TOOL FOR ENZYME INFORMATION MANAGEMENT SYSTEM

Enz – IMS is a software tool, designed to help manage the up-to-date enzyme molecular properties. As recent progress on enzyme immobilization, enzyme production, coenzyme regeneration, & enzyme engineering open-up fascinating new fields for the potential application of enzymes in a large range of different areas, the tool offers several functionalities to help manage such enzyme data information, which is a useful requirement in research & application of enzymes.

DATABASE AND TOOLS DEVELOPED

- ❖ **ArVirInd Dashboard using Google Data Studio** (2022) <http://arvirind.co.in/dashboard/>
- ❖ **Recruitment Portal** (2021)
- ❖ **COVID-19 Dashboard: All India district-level data using PowerBI** (2020-21)
- ❖ **ArVirInd: a database of Arbo-viral proteins from the Indian subcontinent** (2019-22) <http://arvirind.co.in/>
- ❖ **MPdb: Melghat's Plant databank** (Ph.D. work 2015-2019) <http://mpdb.co.in/>
- ❖ **WMDB: Wild Mushroom Database** (at Shri Shivaji Science College, Amravati – 2012)
- ❖ **IPSdb: Insilico Protein Structure Database** (at Shri Shivaji Science College, Amravati – 2011)
- ❖ **Indian Scientist Database** (at BCS Insilico Biology, Lucknow – 2008)
- ❖ **Database Converter Tool** (at BCS Insilico Biology, Lucknow – 2008)
- ❖ **Enz – IMS: Tool for Enzyme Information Management System** (at YCIT (BI & BT), Parbhani - 2008)

INDUSTRIAL TRAINING / WORKSHOP / CERTIFICATE COURSE DONE

1. Online 5-Day Workshop on “**Creating Dynamic Dashboards**” (8-13th Feb 2022)
2. Udemy Online Free Course on “**Making sense of your gene expression data with Cytoscape**”, (January 1, 2022)
3. Udemy Online Certificate Course on “**Time Series Analysis in Python 2021**”, (October 11, 2021)
4. Udemy Online Certificate Course on “**Bioinformatics tools for COVID research**”, (September 14, 2021)
5. Department of Bioinformatics, Pondicherry University's “**International Conference cum Workshop on Translational Sciences in Drug Discovery and Development**”, (25-27 August 2021)
6. Finland Lab's 2 Days Instructor Led Live Online Workshop on “**COVID-19 Data Analysis and Forecasting**”, (12-13 June 2021)
7. DeCodeLife's Online Certificate Course on “**International Bioinformatics Workshop for Cancer Biomarker Discovery**”, (03-24 May 2021)
8. Finland Lab's One Week Instructor Led Live Online Training on “**Deep Learning Using Medicinal Data**”, (03-07 May 2021)
9. Udemy Online Certificate Course on “**Introduction to GIS for Public Health**”, (April 20, 2021)
10. Udemy Online Certificate Course on “**Build Image Recognition App**”, (March 14, 2021)
11. Virtual User Workshop “**Immune Epitope Database (IEDB) and Analysis Resource**”, La Jolla Institute for Immunology, San Diego, California, USA (05-06 November 2020).
12. Udemy Online Certificate Course: **Microsoft PowerBI Essentials: Build & Share a Dashboard for COVID-19**, (July 14, 2020).
13. Udemy Online Certificate Course: **Learn Molecular Dynamics from Scratch**, (2019).
14. National hands-on workshop on “**Phyto-compounds Isolation and Analysis by HPLC**”, School of Life Sciences, B. S. Abdur Rahman University, Chennai, Tamilnadu – India (01 June –19 June 2015).
15. Workshop on “**Analytical Instrumentation: FTIR, UV-vis, HPLC and GCMS**”, Conducted by Dr. P. S. Ramanathan Advanced Instrumentation Centre at Ramnarain Ruia College, Mumbai, Maharashtra – India (16-18 January 2014).
16. Industrial training on “**Fundamentals of HPLC with LC solution workstation**”, SHIMADZU, CSC, Matunga, Mumbai, Maharashtra – India (19-20 December 2013).
17. National seminar cum workshop on “**Computational Approaches for Lead Optimization in Drug Discovery**”, Bioinformatics Center, Sri Venkateshwara College, New Delhi – India (22-23 December 2011).

18. One month summer training program on “**Drug Discovery Design and Planning Methods along with exposure to the wet lab (Plant tissue culture, microbiological and fermentation techniques)**”, ACS Bioinformatics, Biotech Park, Lucknow, Uttar Pradesh – India (09 June – 8 July 2008).
19. One month summer training program on “**Advance Bioinformatics, database designing, and PERL programming**”, BCS-Insilco Biology, Lucknow, Uttar Pradesh – India (09 June – 8 July 2008).
20. One month of industrial training cum project work on “**Enz-IMS: Tool for Enzyme Information Management System**”, Plasmazen Labs, Hyderabad – India (10 Dec 2007 – 10 Jan 2008).

RESEARCH CONTRIBUTIONS

ARTICLE ACCEPTED / COMMUNICATED (In International / National Journals): 02

1. Nitin M Atre, K. Alagarasu, Pratip Shil, “**ArVirInd - a database of arboviral antigenic proteins from the Indian subcontinent**”, *PeerJ* (2022): XXXX [Communicated: PeerJ-72294]
2. Nitin M Atre, Dinesh D Khedkar, “**A systematic review of herbal remedies for respiratory infections and COVID-19 allied symptoms from Melghat region of Maharashtra state, India**”, *Journal of Herbal Medicine* (2020): XXXX [Communicated: HERMED-D-20-02013R2]

ARTICLE PUBLISHED (In International / National Journals): 15

Based on Post Doctorate work: as Research Associate at ICMR-National Institute of Virology, Pune

1. Pratip Shil, Nitin M Atre, Balasaheb V Tandale, “**COVID-19 in Maharashtra, India: comparison of the first and second waves**”, *Spatial and Spatio-temporal Epidemiology* (2022), 41: 100507. DOI: <https://doi.org/10.1016/j.sste.2022.100507>
2. Daya V Pavitrakar, Nitin M Atre, Anuradha S Tripathy, Pratip Shil, “**Cyclophilin A: A possible host modulator in Chandipura virus infection**”, *Archives of Virology* (2021), 166: 3143–3150. <https://doi.org/10.1007/s00705-021-05237-1> [PMID: 34533641], [PMCID: PMC8446474] [IF: 2.574]
3. Pratip Shil, Nitin M Atre, Avinash A Patil, Balasaheb V Tandale, Priya Abraham, “**District-wise estimation of Basic reproduction number (R0) for COVID-19 in India in the initial phase**”, *Spatial Information Research* (2021), 30: 37–45. <https://doi.org/10.1007/s41324-021-00412-7>, [PMCID: PMC8286042]
4. Daya V Pavitrakar, Nitin M Atre, Anuradha S Tripathy, Pratip Shil, “**Design of a multi-epitope peptide vaccine candidate against Chandipura virus: an immuno-informatics study**”, *Journal of Biomolecular Structure and Dynamics*. (2020), 40(2): 648-659. <https://doi.org/10.1080/07391102.2020.1816493> [PMID: 32897148], [IF: 3.220]
5. Pradeep Mahadev Sawant, Nitin Atre, Abhijeet Kulkarni, Varanasi Gopalkrishna, “**Detection and molecular characterization of porcine enterovirus G15 and Teschovirus from India**”, *Pathogens and Disease*, (2020), 78(5): ftaa039. <https://doi.org/10.1093/femspd/ftaa039> [PMID: 32691821], [IF: 2.166]

Based on CSIR's Summer Research Training Program (S RTP) – 2020

6. Ritika Aggarwal, Ritika Gera, Nikita Jain, Bableen Kaur, Arunima Murali, Minakshi Baruah, Anu Supriya, Nitin Atre, Dinesh Khedkar, “**In silico prediction, characterization and molecular docking studies on Glutathione-S-transferase as a molecular sieve for toxic agrochemicals explored in survey of North Indian farmers**”, *Heliyon* (2021), 7(9): e07875. <https://doi.org/10.1016/j.heliyon.2021.e07875> [PMID: 34504970], [PMCID: PMC8417331] [IF: 2.85]
7. Chowdhury Debojyoti, Chhatar Abhisekh, Nandan Suman, Swarupa Sanchari, Shaw Ranjit, Basu Seena, Atre Nitin, Khedkar Dinesh, “**Peptides on a rescue mission against the hazardous cidal chemicals used in Eastern Indian Agriculture: An in-silico approach based on field survey in the year 2020**”, *Environmental Health Engineering And Management Journal* (2021), 8(2): 107-122. <http://eprints.kmu.ac.ir/id/eprint/38083>

Based on my Ph.D. thesis work

8. Nitin M Atre and Dinesh D Khedkar, “**A Review on Herbal Remedies for Sexually Transmitted Infections (STIs) from Melghat Region of Maharashtra State, India**”, *European Journal of Medicinal Plants*, (2020), 31(14): 1-17, <https://doi.org/10.9734/ejmp/2020/v31i1430313>
9. Nitin M Atre, “**Digitization and Bioprospecting of Medicinal plant treasure from Melghat region using Biodiversity Informatics**”, Ph.D. thesis (2019), *Sant Gadge Baba Amravati University, Amravati, Maharashtra, INDIA*.
10. Dinesh D Khedkar and Nitin M Atre, “**Medicinal flora of Melghat for asthma: A review**”, *Journal of Pharmacognosy and Phytochemistry*; (2019), 8(2): 2091-2095

Pre Ph.D. work

11. GB Hedawoo, HH Pilley, NM Atre and SR Nagmote; “**Wild Mushroom Database: A repository for wild mushrooms from Melghat and Amravati region**”, *Journal of Science Information* (2012), 3: 107 – 109.

12. Sandip R. Nagmote, Anuj Kharnal, Shoeb R. Patel, **Nitin M Atre**, Gauri S. Deshpande; “**Mathematical modeling and simulation of the p53 and SMAR1 using their biochemical interactions**”, *J Comp. Intell. Bioinfo.* (2011), 4(1) Special Issue: 139 – 149.
13. **Nitin M Atre**, Harshada H Pilley, Sandip R Nagmote, Amena Khan, Vishal Changole and Guari S Deshpande; “**Comparative Protein Structure Analysis of HXB2=viral protease from HIV-1 genome**”, *J Comp. Intell. Bioinfo.* (2011), 4(1) Special Issue: 101 – 109.
14. Harshada H Pilley and **Nitin M Atre**; “**Homology Modelling based Protein Structure Prediction of Iron regulated Peptidyl-Prolyl cis-trans Isomerase A from *Mycobacterium tuberculosis* strains H37Rv**”, *J Comp. Intell. Bioinfo.* (2011), 4(1) Special Issue: 79 – 86.
15. Gauri S. Deshpande, Hatim F. Dagainawala, Rajpal Singh Kashyap, **Nitin M Atre**, Sandip R. Nagmote, Ganesh B. Hedawoo; “**Expression study of *Mycobacterial Hsp70* protein in serum samples of pulmonary tuberculosis patients**”, *J Comp. Intell. Bioinfo.* (2011), 4(1) Special Issue: 71 – 77.

POSTER PRESENTED (In International / National Conferences / Workshops / Seminars): 14

1. **Nitin M. Atre**, Ritika Aggarwal and Dinesh D. Khedkar, “**In-silico screening towards potential lead optimization against COVID-19 targets from Melghat Flora**”, *8th International Congress of the Society for Ethnopharmacology, Pune, India (SFEC 2021)*, 27-29 August 2021; Poona College of Pharmacy, Bharati Vidyapeeth (Deemed to be University), Pune, Maharashtra, India
2. **Nitin M. Atre**, Aradhana Mishra, Daya V. Pavitrakar and Pratip Shil; “**Immuno-informatics studies on Chikungunya virus surface proteins**”, National Conference on “*Recent Trends in Biomedical Sciences (RTBS-2020)*”, July 2nd-3rd, 2021; Department of Medical Laboratory Sciences, Lovely Professional University (LPU), Phagwara, Punjab, India
3. Daya V. Pavitrakar, **Nitin M. Atre**, Anuradha Tripathy and Pratip Shil; “**In-silico approach for designing multi-epitope based vaccine candidate against Chandipura virus**”, National Conference on “*Recent Trends in Biomedical Sciences (RTBS-2020)*”, July 2nd-3rd, 2021; Department of Medical Laboratory Sciences, Lovely Professional University (LPU), Phagwara, Punjab, India
4. **Nitin M. Atre** and Dinesh D. Khedkar; “**Phytochemistry, QSAR, QSPR, and Docking study of some anti-cancer flavonoids from *Morus alba***”, *International Symposium on “Role of Herbs in Cancer Prevention and Treatment”*; 9-10 February 2016; School of Life Science, Jawaharlal Nehru University (JNU), New Delhi, India.
5. **Nitin M Atre**; “**QSAR and QSPR analysis of some anti-cancer flavonoids**”, *10th Maharashtra State level AVISHKAR 2015 – Pure Science PPG category*; 9-13 January 2016; Savitribai Phule Pune University (SPPU), Pune, Maharashtra, India. (REPRESENTED SGBAU Amravati – COLOR COAT)
6. Khedkar DD, Kadu SR, **Atre NM**, and Maggirwar RC, “**MMedPdb: Melghat Medicinal Plant Data Bank**”, *International Conference on “Trends in Plant Sciences”*, 31 Oct – 02 Nov 2014; Bharathidasan University, Tiruchirappalli, Tamil Nadu, India
7. **Nitin M Atre**, Prashant R. Mandlik, and Dinesh D. Khedkar; “**Synthesis, Molecular Docking and Evaluation of some novel analog of N’-[Substituted]Pyridine-4-Carbohydrazides as potential therapeutic agents**”, *National Conference on “Recent Advances in Computational Drug Design”*; 16-17 September 2013; Indian Institute of Science (IISc), Bangalore, Karnataka, India.
8. GB Hedawoo, HH Pilley, **NM Atre** and SR Nagmote; “**Wild Mushroom Database: A repository for wild mushroom from Melghat and Amravati region**”, *National Conference on “Mycodiversity with its Sustainable Exploration and Biotechnological Application”*; 6-7 February 2012; Amravati, Maharashtra, India
9. **Nitin M Atre**, Harshada H Pilley and Guari S Deshpande; “**Comparative Protein Structure Analysis of HXB2=viral protease from HIV-1 genome**”, *National Conference on “Metabolomics Transcriptomics and Proteomics (NCMTP)”*, 29 – 30 January 2011; Lucknow, India
10. Harshada H Pilley and **Nitin M Atre**; “**Homology Modeling based Protein Structure Prediction of Iron regulated Peptidyl-Prolyl cis-trans Isomerase A from *Mycobacterium tuberculosis* strains H37Rv**”, *National Conference on “Metabolomics Transcriptomics and Proteomics (NCMTP)”*, 29–30 January 2011; Lucknow, India
11. Sandip R. Nagmote, Anuj Kharnal, Shoeb R. Patel, **Nitin M Atre**, Gauri S. Deshpande; “**Mathematical modeling and simulation of the p53 and SMAR1 using their biochemical interactions**”, *National Conference on “Metabolomics Transcriptomics and Proteomics (NCMTP)”*, 29 – 30 January 2011; Lucknow, India
12. **Nitin Atre** and Harshada Pilley; “**Homology Modeling based Protein Structure Prediction of Isocitrate Dehydrogenase from *Mycobacterium tuberculosis* strains H37Rv**”, *National Seminar & Poster Competition on “Life Science Technology: An Emerging Frontier”*; 26th December 2010; Wardha, Maharashtra, India
13. **Nitin Atre** and Sandip Nagmote, “**Enz-IMS: Enzyme Information Management System**”, *National Seminars on “BIOTECH 2010: Trends in rDNA Technology”*, 14-15 November 2010; Osmanabad, Maharashtra, India
14. Harshada Pilley and **Nitin Atre**; “**In-silico Protein Structure Prediction of HXB2=viral protease from HIV-1 genome**”, *National Seminars on “BIOTECH 2010: Trends in rDNA Technology”*, 14-15 November 2010; Osmanabad, Maharashtra, India (WON SECOND PRIZE)

NUMBER OF INTERNATIONAL/NATIONAL CONFERENCES/SEMINARS/WORKSHOPS ATTENDED: 15

NUMBER OF PREDICTED PROTEIN STRUCTURE SUBMITTED TO PMDB: 42 protein models

NUMBER OF ACADEMIC PROJECTS GUIDED (M.Sc. DISSERTATION): 15

MEMBER OF ORGANIZING COMMITTEE (CONFERENCE / WORKSHOP / SEMINARS)

1. **DST – INSPIRE INTERNSHIP CAMP – 2018**, Shri Shivaji Science College, Amravati (25–29 Dec. 2018)
2. **National Conference on Biotechnology and Biodiversity**, Shri Shivaji Science College, Amravati (22–23 Sept. 2017)
3. **National Conference on Advances and Innovations in Plant Sciences**, Shri Shivaji Science College, Amravati (29th Feb –1st March 2016)
4. **Two Days National Workshop on PCR RFLP And Primer Designing**, Department of Botany and Central Instrumentation Cell, Shri Shivaji Science College, Amravati with the Technical Expertise Cistron Integrated System Mumbai (22nd Feb – 23rd Feb 2014)

PERSONAL PROFILE

Name	: Dr. Nitin Motilal Atre
Father's Name	: Late. Motilal Nageshyam Atre
Mother's Name	: Mrs. Surekha Motilal Atre
Wife's Name	: Mrs. Purna Nitin Atre
Daughter's Name	: Miss. Nidhyana Nitin Atre
Date of Birth	: 18-03-1984
Gender	: Male
Marital status	: Married
Religion	: Hindu
Nationality	: Indian
Languages know	: Hindi, Marathi and English

DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: 13th April 2022
Date: Pune

(Dr. Nitin M. Atre)

REFERENCES:

Prof. Dinesh D. Khedkar

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Dr. Pratip Shil

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Dr. Prabha Y. Bhogaonkar

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