

Dr Virendra Gomase

B Pharma MSc MPhil PhD LLB



To,
The Vice-Chancellor / Registrar

Dear Sir / Madam,

I am Dr Virendra Gomase, herewith applying for the suitable post in
Bioinformatics / Drug design & targeting / Research

*LLB, B Pharma, MSc Bioinformatics, MPhil Biotechnology, PhD Bioinformatics

*Specialization: Bioinformatics, Drug design & targeting, Genomics Proteomics

*School of Allied Healthcare & Sciences, School of Engineering & Technology

*Total Research Experience: 15+ Years

*Administrative Responsibilities: Academic Head, Organisation of the staff,
University curriculum and resources, Decision-making, Central administration,
Progress and compliance reporting, Preparation of Scientific Proposal, Project
management, PhD Research Guide, PhD Research Referee, Resource
person, Publications, Industrial Interaction, Examiner, Syllabus Setting, Paper
Setting, Organizing Seminar, Organizing Industrial tour, IPR

*NEP 2020: PSOs, PEOs, POs, NSQF, ABC, CBCS, FCBCS, MOOC, IPR

Citation indices:

**Patent Published: 29

*Research Articles Published: 276, *Citations: 1004

*Book Published: 19

*Scopus H-Index: 9, Articles: 51

*Web of Science H-Index: 7, Articles: 61

*Google scholar: H-Index: 19, i10-index: 27, Articles: 276

*Article Presentation - International Conference: 110, National Conference: 80

*Technical FDP / Workshop Attended: 40

ORCID iD: <https://orcid.org/0000-0003-2454-1779>

I am interested in the advancement of science. Kindly approve the same and
do the needful.

Sincerely,

Dr Virendra Gomase

Contact

📍 B2/401, Crimson Crest, Malwadi,
Hadapsar, Pune, 411028, MS

📞 9987770696 / 9423467927

✉️ gomase.viren@gmail.com

Summary

⊕ LLB, B Pharmacy MSc Bioinfo
MPhil Biotechnology
PhD Bioinformatics / Comp. Science

⊕ **Patent Published: 29
⊕ Research Articles: 276
⊕ Citations: 1004
⊕ Book Published: 19
⊕ Scopus h-index: 9 (51)
Web of science h-index: 7 (61)
Google scholar h-index: 19 (276)

⊕ Impact Factor- 5.76

⊕ International Conference: 110
National Conference: 80

⊕ FDP / Workshop: 40

⊕ Research Exp: 15+Yrs
⊕ Scientific Editor Exp: 12+Yrs
⊕ PhD Students Awarded: 03

⊕ GPAT2021- NTA Score-94.09
⊕ 1st Prize Winner PhD Research,
Avishkar-2008 SGBA University
⊕ Nominates as Who's Who

⊕ Society Life Member: 35

Research Interest: Bioinformatics
Genomics, Proteomics,
Drug design & targeting

Curriculum Vitae

Dr Virendra S. Gomase

B2/401, Crimson Crest, Malwadi, Hadapsar, Pune, 411028, MS, India

Mail- gomase.viren@gmail.com Mobile: 9987770696 [WhatsApp], 9423467927



Career Objective: To work in dynamic environment which will promote research and professional growth.

Administrative Responsibilities: Academic Head, Organisation of the staff, University curriculum and resources, Decision-making, Central administration, Progress and compliance reporting, Preparation of Scientific Proposal, Project management, PhD Research Guide, PhD Research Referee, Resource person, Publications, Industrial Interaction, Examiner, Syllabus Setting, Paper Setting, Organizing Seminar, Organizing Industrial tour, IPR

NEP 2020: PSOs, PEOs, POs, NSQF, ABC, CBCS, FCBCS, MOOC, IPR and Patents

Specialization: Bioinformatics, Drug design and targeting, Genomics, Immunoproteomics

Research Experience: 15+ Years

Sr	Organization	Position Held	Post held	Duration
1	Mewar University, Rajasthan	Research Supervisor Bioinformatics	Research	1 Mar 2015 to Till date
2	UGC-Academic Staff College, Dr B A M University, Aurangabad, India	Resource person STC on Research Grants	Teaching & Research	Oct 2013 to Feb 2015
3	Publication House	Managing / Scientific Editor Bioinformatics	Research & Analytics	Aug 2010 to Mar 2015
4	School of Technology, S.R.T.M. University, Sub-Centre, Latur, 413531, India	Associate Professor MSc Bioinformatics	Teaching & Research	Nov 2009 to July 2010
5	Padmashree Dr D. Y. Patil University, CBD Belapur, Navi Mumbai, 400614, India	Sr. Lecturer MTech Bioinformatics	Teaching & Research	Aug 2007 to Oct 2009
6	MGMs, CCS & IT, Nanded, India	Lecturer MSc Bioinformatics	Teaching & Research	Oct 2006 to July 2007
7	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, India	Lecturer BE/ME Biotechnology	Teaching & Research	Mar 2006 to Oct. 2006

Citation indices:

Citation indices	All	Since 2016	Web of Science	Scopus
Articles	276		61	51
Citations	1004	307	137	249
h-index	19	8	7	9
i10-index	27	8		

****Patent Published: 29**

Web of Science Researcher ID: C-7402-2015, H-Index 7, Citations: 134, Articles: 61

Scopus Author ID: 16041780000 *Scopus H-Index: 9, Citations: 249, Articles: 51

Google Scholar: H-Index: 19, Citations: 1004, Articles: 276.

ORCID iD: 0000-0003-2454-1779 Articles: 126, Loop profile: 163367

***Research Articles Published: 276 (Impact Factor- 5.76)**

*Articles: International Conference: 110, National Conference: 80, *Technical FDP / Workshop Attended: 40

Educational Qualification

*GPAT 2021- NTA Score- 94.09

LL.B. : (Law) 2022- Tilak Maharashtra Vidyapeeth, Pune, 7.91 CGPA, 73.15 %

Ph.D. : (Bioinformatics / Computer Science) 2009-Dr Babasaheb Ambedkar Marathwada University, Aurangabad

M. Phil. : (Biotechnology) 2009 - The Global Open University, Nagaland-67.2%

MS-CIT : (Information Technology IT) 2010- MSBTE Mumbai-60%

M. Sc. : (Bioinformatics) 2004 - Sikkim-Manipal University with A grade-76.26%

B. Pharma : (Pharmacy) 2001 - Amravati University (Govt College of Pharmacy, Amravati) 66.21%

H.S.C. : (Science) 1997 - Amravati Board (MSBSHSE) -60.17%

S.S.C. : Passed in 1994 - Amravati Board (MSBSHSE) -69.85%

PhD Thesis: Proteomics system architecture of plant viruses and Bioinformatics based drug designing

MPhil Thesis: Application of PSSM and SVM algorithms for fragment-based drug design

MSc Thesis: Computer aided vector designing to identify and target for expression of nucleocapsid protein region from *Japanese encephalitis virus*

TEACHING & CONTRIBUTION TO PROFESSIONAL RELATED ACTIVITIES

Awards and Honours

- [1] First prize winner for PhD Research in All Maharashtra Inter University Research Festival, Avishkar-2008, SGB Amaravati University, Amravati, 2009
- [2] Nominates as Who's Who in Medicine and Healthcare 2011-2012; 2010-2011; 2009-2010
- [3] Books published: Royal Society of Chemistry, Himalaya Publishing House, VDM Verlag Dr. Müller, Germany
- [4] Two research papers presented as young researcher in 4th World Conference on Cellular and molecular Biology, Poitiers, France 7-12 Oct., 2005; One paper presented in 2nd Advances Against Aspergillosis Conference, Athens, Greece, February 22-25, 2006.
- [5] 15 Papers published in Impact Factor- 5.76 and 9 Papers published in Impact Factor- 2.720.

Research Guide

PhD Research Guide: Bioinformatics, Mewar University, Rajasthan

Ph.D. Examiner: University of Mumbai, Mumbai

Research Guidance

Sr. No.	Project / Dissertation	No of Students
1	B.Sc. Bioinformatics	10
2	M.Sc. Bioinformatics	11
3	B.Tech. Bioinformatics	20
4	M.Tech. Bioinformatics	10
5	M.Phil. Computer Science	1
6	Ph.D. Bioinformatics, Computer Science	03 Awarded

PhD Research Students- Supervised / Awarded

Dr Sonu Mishra (2021) Toxicoproteomics Approach and Computational Modeling for Study of *Dracunculus medinensis*

Dr AS Sherkhane (2016) Immunoproteomics approach for mapping antigenic peptide for drug development from *Naja naja*

Dr SS Changbhale (2016) An immunoinformatics approach for prediction of MHC binding ability to design synthetic peptide vaccine from Scorpion toxin

Book Published

SN	Book Name	ISBN	Publisher
1	Metabolic Profiling: Disease and Xenobiotics (Issues in Toxicology) by Virendra Gomase (Contributor)	978-1-849-73163-8	Royal Society of Chemistry 2013/06/30
2	Transcriptomics by Virendra Gomase	978-3-639-21486-4	VDM Verlag Dr. Müller, Germany 2009/11/11, 436
3	Microarray by Virendra Gomase	978-3-639-18472-3	VDM Verlag Dr. Müller, Germany 2009/10/06, 308
4	Encyclopedia of Agricultural Sciences (5 Vol. Set) by Virendra Gomase and Shruti Gomase	978-8-183-87339-0	Serial Publication 2010
5	Bioinformatics: Theory and Practice by NJ Chikhale and Virendra Gomase	978-8-183-18831-9	Himalaya Publishing House 2007, 592
6	Proteomics: Theory and Practice by Virendra Gomase and NJ Chikhale	978-8-184-88313-8	Himalaya Publishing House 2009/01/01, 360
7	Methods in Molecular Biotechnology by Virendra Gomase and Rishab Kapoor	978-3-639-29428-6	VDM Verlag Dr. Müller, Germany 2010/09/12, 352
8	Image Processing and Modeling by Virendra Gomase and Archana Khade	978-3-639-29692-1	VDM Verlag Dr. Müller, Germany 2010/09/27, 160
9	Stem Cell Research by Virendra Gomase and Aravind Tripathi	978-3-639-21622-6	VDM Verlag Dr. Müller, Germany 2010/04/30, 300
10	Metabolomics by Virendra Gomase and Shruti Gomase	978-3-639-24991-0	VDM Verlag Dr. Müller, Germany 2010/04/07, 368
11	Toxicogenomics by Virendra Gomase and Shruti Gomase	978-3-639-24995-8	VDM Verlag Dr. Müller, Germany 2010/04/07, 256
12	Molecular Genetics by Virendra Gomase and Aravind Tripathi	978-3-639-25001-5	VDM Verlag Dr. Müller, Germany 2010/05/02, 556
13	Microscopy in Biotechnology by Virendra Gomase and Shruti Gomase	978-3-639-24549-3	VDM Verlag Dr. Müller, Germany 2010/04/07, 256
14	Mass Spectrometric Biotechnology by Virendra Gomase and Shruti Gomase	978-3-639-17925-5	VDM Verlag Dr. Müller, Germany 2010/04/07, 216
15	Immunobiotechnology by Virendra Gomase and Sunil Dwivedi	978-3-639-25017-6	VDM Verlag Dr. Müller, Germany 2010/04/07, 156
16	Animal Biotechnology by Virendra Gomase and Madhur Murti	978-3-639-25031-2	VDM Verlag Dr. Müller, Germany 2010/04/08, 364
17	Plant Biotechnology by Virendra Gomase and Anant Sherkhane	978-3-639-03208-6	VDM Verlag Dr. Müller, Germany 2010/04/08, 392
18	Genetechnology by Virendra Gomase and Shruti Gomase	978-3-639-13467-4	VDM Verlag Dr. Müller, Germany 2010/04/14, 184
19	Biomarkers by Virendra Gomase and Shruti Gomase	978-3-639-17030-6	VDM Verlag Dr. Müller, Germany 2010/04/14, 224

Sequence available on GenBank at NCBI, EMBL and DDBJ

DQ071616 - Alpha subunit from allophycocyanin unit of Phycobiliprotein- *Spirulina* sp.

DQ071617 - Beta subunit from allophycocyanin unit of Phycobiliprotein- *Spirulina* sp.

DQ071618 - Alpha subunit from allophycocyanin- *Oscillatoria* sp.

DQ071619 - Light harvesting pigment allophycocyanin beta subunit- *Oscillatoria* sp.

Protein sequences -Uniprot database

P84590 - Hirudin - *Poecilobdella viridis*,

P84613 - Insecticidal crystal toxin protein- *Bacillus thuringiensis* (subsp. *kurstaki*)

Monographs Publication

- [1] AccNo. 56487, PepBank, Massachusetts General Hospital, Harvard University
- [2] AccNo. 56488, PepBank, Massachusetts General Hospital, Harvard University
- [3] AccNo. 56415, PepBank, Massachusetts General Hospital, Harvard University
- [4] AccNo. 56414, PepBank, Massachusetts General Hospital, Harvard University
- [5] AccNo. 56417, PepBank, Massachusetts General Hospital, Harvard University
- [6] AccNo. 56416, PepBank, Massachusetts General Hospital, Harvard University
- [7] SHX001, Sigma MISSION® LentiExpress™ Human Kinases, Sigma-Aldrich, Inc
- [8] SH0121, Sigma MISSION® shRNA Human Gene Family Set, DNA Kinases, Sigma-Aldrich, Inc
- [9] SM0421, Sigma MISSION® shRNA Human Gene Family Set, DNA Kinases, Sigma-Aldrich, Inc
- [10] SM20021, Sigma MISSION® shRNA Human Gene Family Set, DNA Kinases, Sigma-Aldrich, Inc

Industrial Experience

Omni Protech Drugs Ltd., Pune. (Branch of Emcure Pharma): 2nd June 2000 to 28th June 2000.

Extracurricular Activity

- [1] Active participation Youth Festival during 2000-2001.
- [2] Best Personality Prize in Annual social gathering year 2000-2001.
- [3] Best Enthusiastic Person a special Jury award in annual social gathering year 2000-2001.
- [4] Active participation in Blood Donation Camp, SCMIT, Pune, 2004.

Workshop / Training / FDP Attended

- [1] AICTE Training and Learning (ATAL) Academy FDP on Multi-omics Data Science, Indian Institute of Technology (IIT) Jodhpur, ATAL/2021/1639895969, 20.11.2021 to 24.11.2021.
- [2] AICTE Training and Learning (ATAL) Academy FDP on Genome Engineering: CRISPR-Cas as an emerging Tool, IMS Engineering College, Ghaziabad, ATAL/2021/1635133772, 14.11.2021 to 18.11.2021.
- [3] AICTE Training and Learning (ATAL) Academy FDP on Gene and Genome Technology for Biologists by Bihar Animal Sciences University, Patna, 800014, Bihar, ATAL/2021/1634275822, 22.11.2021 to 26.11.2021.
- [4] AICTE Training and Learning (ATAL) Academy FDP on Computer Science and Biology: Impact of Bioinformatics and Molecular Biology on Drug Discovery by IILM College of Engineering and Technology, Greater Noida, 201306, Uttar Pradesh, ATAL/2021/1631588173, 04.10.2021 to 08.10.2021.
- [5] Five Days Online Training Program on Promotion of Public Private Partnership in Agriculture and Allied Sectors by National Institute of Agriculture Extension Management (MANAGE) Hyderabad and Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand, 27.09.2021 to 01.09.2021.
- [6] 5-Day International Online FDP on Research Tools & Methodologies by Lendi Institute of Engineering & Technology, Denkada, Jonnada, 535005, Andhra Pradesh, 27.09.2021 to 01.11.2021
- [7] Five Days International FDP on 5G, IoT and Artificial Intelligence: Research Trends and Applications by Department of Electronics and Communication Engineering, Atria Institute of Technology, Bangalore, in association with IEEE Bangalore Section- Information Theory Society Chapter, IETE Bangalore Section and IEEE Atria Student Branch during 27.09.2021 to 01.09.2021.
- [8] Faculty Development Program on Medical Imaging: Special Topics in Magnetic Resonance Imaging by N. K. Orchid College of Engineering & Technology, Solapur and Arvind Gavali College of Engineering, Satara, 24.09.2021 to 25.09.2021.
- [9] AICTE Training and Learning (ATAL) Academy FDP on Applications of Biotechnological and Analytical Tools in Pharmaceutical Research by Meerut Institute of Engineering & Technology, ATAL/2021/1631019979, 14.09.2021 to 18.09.2021.
- [10] Webinar on Prospects and Functioning of Commodity Markets in India by the Centre for Agricultural Market Intelligence, NAHEP-CAAST, Anand on 17.09.2021 to 18.09.2021

- [11] Online Orientation Programme on J-Gate and CMIE data base by Centre for Agricultural Market Intelligence, AAU, Anand on 16.07.2021 to 17.07.2021
- [12] Workshop on Research Methodology and Hands on Learning by the School of Tribal Resource Management, KISS Deemed to be University, 02.08.2021 to 06.08.2021
- [13] Workshop on Research Methodology and Hands on Learning organized by Kalinga Institute of Social Sciences Deemed to be University, Bhubaneswar, 751024, Odisha, India, 02.08.21 to 06.08.2021.
- [14] Three days Online Training on Sandalwood by Centre for Agricultural Market Intelligence, AAU, Anand and Chandan Vikas Asociation, Vadodara, 09.04.2021 to 11.04.2021
- [15] National Level One Week Faculty Development Programme on Research Methodology, Kamla Nehru Mahavidyalaya, Nagpur, 26.04.21 to 01.05.2021.
- [16] AICTE-ISTE Sponsored Six days online Refresher / Induction Program on Deep Learning & Cyber Security-Phase-II organized by Department of Computer Science & Technology, Madanapalle Institute of Technology and Science, Madanapalle, 05.04.2021 to 10.04.2021.
- [17] One week Faculty Development Program on Scientific Writing using Latex, Department of Computer Applications, Madanapalle Institute of Technology & Science, Madanapalle- 517325, Chittoor Dist., Andhra Pradesh, India, 22.03.2021 to 26.03.2021.
- [18] One Week FDP on Recent Trends in Advanced Materials and Applications, Department of Physics, The National Institute of Engineering, Mysuru, 19.10.2020 to 23.10.2020
- [19] Five days International FDP program on Tribology for Reliability-2020 by GITAM University, Bengaluru, 05.10.2020 to 09.10.2020
- [20] Online Training on Space Technology and Machine Learning for Agriculture by Centre for Agricultural Market Intelligence, AAU, Anand, 28.10.2020 to 29.10.2020
- [21] Webinar on Technical Writing by Centre for Agricultural Market Intelligence, AAU, Anand, 16.10.2020 to 17.10.2020
- [22] Webinar on International trade in Agricultural Commodities by Centre for Agricultural Market Intelligence, AAU, Anand, 21.09.2020 to 23.09.2020
- [23] Ten days training programme on Research Methodology for Social Sciences by NAHEP-CAAST, AAU, Anand, 01.09.2020 to 11.09.2020
- [24] Three days FDP on Research Pedagogy-Tools & Skills, organized by Maharaja Institute of Technology Mysore, Mandya, 571 477, Karnataka, India, 24.08.2020 to 26.08.2020
- [25] Eight Days Online FDP on Pedagogical Paradigm for Education, organized by the Department of Education, Gandhigram Rural Institute (Deemed to be University), Gandhigram, Tamil Nadu, 19.08.2020 to 26.08.2020.
- [26] One week FDP on Application of Industry 4.0 and IoT in the field of Engineering and Medical by Deogiri Institute of Engineering and Management Studies, Aurangabad, 27.07.2020 to 31.07.2020
- [27] One Week FDP on Waste Management & its Impact on the Environment, organized by G. H. Raisonni College of Engineering, Nagpur, India, 20.07.2020 to 25.07.2020.
- [28] Webinar on Farmer Producer Organizations and Commodity Markets' organized by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand, 27.07.2020 to 28.07.2020
- [29] Three days Faculty Development Programme on Outcome Based Education by IQAC, Rai University, Ahemdabad, Gujarat, 22.07.2020 to 24.07.2020
- [30] Three Day FDP on Expert of Research Methodology and Processes, Tirumala Engineering College, Narasaraopet, Guntur, Andhra Pradesh 522601 India, 20.07.2020 to 22.07.2020.
- [31] Five days FDP on Sensors & Their Applications organized by IEEE Sensors Council, Bangalore Section, held from 13.07.2020 to 17.07.2020.
- [32] One Week online FDP programme on Latest Advancement in Mechanical Engineering (LAME-2020), organized by CMR College of Engineering & Technology, Hyderabad, 13.07.2020 to 17.07.2020.

- [33] One Week Faculty Development Program on Recent Advances in Biomedical Applications and Communication Networks (RA-BACN 2020), GMR Institute of Technology, Rajam, Andhra Pradesh, India, 13.07.2020 to 18.07.2020.
- [34] Webinar on Agricultural Market Reforms & Market Intelligence by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand, 07.07.2020 to 08.07.2020
- [35] One-week National Level Faculty Development Program on G Suite and Allied Tools in Education, Teaching & e-Content Development organised by P G Department of Computer Science & Engg., Sant Gadge Baba Amravati University, Amravati, 29.06.2020 to 04.07.2020.
- [36] Two Weeks Lecture Series on Research Trends in ICT, Gautam Buddha University, Greater Noida, 201312, Uttar Pradesh, 29.06.2020 to 09.07.2020
- [37] National e-Workshop on Designing e-Content for English Language and Literature organized by Department of English and IQAC of Arts, Commerce and Science College, Lanja, 29.06.2020
- [38] Webinar on Fishery Business Eco-System in India by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand, 22.06.2020 to 23.06.2020
- [39] Three Day FDP on Computer Vision using Convolutional Neural Networks conducted by Anurag University, India, 08.06.2020 to 10.06.2020.
- [40] Three Day National Level FDP on Introduction to Machine Learning organized by Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, 05.06.2020 to 07.06.2020
- [41] Three days National workshop on Structural Bioinformatics, *In silico* Techniques in Drug Designing, Barkatullah University, Bhopal Madhya Pradesh-462026, 27.05.2020 to 29.05.2020.
- [42] Two days National FDP on 'Online Course Design, Development and Delivery' organised by Chandigarh College of Education, Landran, Mohali, 06.07.2020 to 07.07.2020.
- [43] One week FDP on Emerging Trends in Business and Society, Kalasalingam Academy of Research and Education, Krishnankoil, Srivilliputhu, Tamilnadu, 26.06.2020 to 02.07.2020
- [44] National level One Week online Faculty Development Programme on Mathematics: A Practical Approach in Science and Technology Organised by, Deogiri Institute of Engineering and Management Studies, Aurangabad, 28.06.2020 to 03.07.2020.
- [45] Three days FDP on Recent Trends in Photonics organised by Department of ECE, Dayananda Sagar University, Bengaluru, 30.06.2020 to 02.07.2020.
- [46] Six days Faculty Development Programme on Latest Trends and Challenges in IT Industry, R.M.D Engineering College, Kavaraipettai, 601 206, Tamil Nadu, 15.06.2020 to 20.06.2020
- [47] Five Days National Level FDP on Perl Scripting, organised by Lords Institute of Engineering and Technology, 10.06.2020 to 14.06.2020.
- [48] International FDP on Future Advancements and Applications of Internet of Things organized by Electronics & Telecommunication Department of Sandip Institute of Engineering & Management Nashik from 12.06.2020 to 14.06.2020.
- [49] One-week short term Webinar on Industry 4.0, Industrial Internet of Things, Manufacturing using IoT, Suryodaya College of Engg. & Tech., Nagpur, 08.06.20 to 13.06.2020.
- [50] National Level Online Workshop on Documentation & Profile Management for NAAC & API, organized by Department of Science & Humanities (English), K. Ramakrishnan College of Technology, Samayapuram, Trichy - 621112, on 10.6.2020
- [51] Four Days of FDP Program on ICT/LMS Tools for Teaching & Learning organised by Department of Information Technology & IQAC of K.C. College of Engineering & Management Studies & Research, Thane, 16.06.2020 to 19.06.2020
- [52] Five days FDP on Opportunities and Challenges in Next-Generation Semiconductor Devices organized by Department of ECE, Anil Neerukonda Institute of Technology and Sciences, Visakapatnam, 16.06.2020 to 20.06.2020
- [53] Three Days FDP on Application Oriented Mathematics-2020, organised by, Dr N. G. P. Institute of Technology, Coimbatore, 641048, 15.06.2020 to 17.06.2020.

- [54] Five days Online Workshop and National FDP on Research Methodology and ICT based Teaching and Learning Tools organized by Hindustan College of Arts and Science, Coimbatore, Tamil Nadu, 16.06.2020 to 20.06.2020.
- [55] Three Days FDP on Communication Skills & Human Values in Holistic Development organized by Human Value Cell in association with Department of Humanities & Applied Sciences & IQAC of K. C. College of Engineering & Management Studies & Research, Thane (E) from 25.06.2020 to 27.06.2020
- [56] One day Workshop on Solid Waste Management and Water Power Campaign Need Time organized by Late Ku. Durga K. Banmru Science College Lonar, Buldhana, 06.06.2020
- [57] TEQIP-III Sponsored Two Week Online International FDP on Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development organized by Bipin Tripathi Kumaon Institute of Technology Dwarahat Almora, 263653, India, 26.10.2020 to 07.11.2020.
- [58] Advances in Computer Aided Drug Designing, S.R.T.M. University, Nanded, India, 2010.
- [59] Recent Trends of Computer Science and Biotechnology, Govt. College, Mandya, 13/08/2009.
- [60] Techniques in Biotechnology, VGS College of Science, Solapur, India, 29-30 Dec. 2008.
- [61] National Workshop: Computational Neuroscience, SIBACA, Lonawala, Pune, 23-28/06/2008.
- [62] Accelrys MDS-Modeling Suite Demonstration, DYPIBB, Navi Mumbai, India, 7-8 Feb 2008.
- [63] RHCE Faculty Training program, Linux Red Hat Certified Engineer Course from Red Hat India Pvt., Ltd, 22/05/2009-29/05/2006.
- [64] Advances in Computer Aided Drug Design (CADD), DYPIBB, Navi Mumbai, 3/10-6/10/2007.
- [65] Medical Electronics, Cummins Engineering College for Women, Pune, 2003.
- [66] Networking, PICT, Pune, 2003.
- [67] Linux by Red Hat, PICT, Pune, 2003.
- [68] XML Workshop, PICT, Pune 2003
- [69] Dot Net Workshop, PICT, Pune 2003
- [70] Kernel Hacking Workshop, PICT, Pune 2003

Journal Editorial

Contribution to professional activity & Institutional co-curricular /extra-curricular activities

Sr. No	Editorial	Journal Name	ISSN	Publisher
1	Guest Editor	Current Drug Metabolism (Impact Factor- 5.76)	1389-2002	Bentham, USA
2	Editorial Member	RASĀYAN Journal of Chemistry	0974-1496	India
3	Editorial Member	Journal of Bioinfo. and Sequence Analysis	2141-2464	Nairobi
4	Associate Editor	International J. of Advanced Intelligence	1883-3918	Japan
5	Editorial Member	World Journal of Biological Chemistry	1949-8454	China

Reviewer Member of International Journals

- [1] Journal of Applied Pharmaceutical Science (ISSN: 2231-3354) (25.09.2021)
- [2] BMC Genomic Data, Springer Nature (26.08.2021)
- [3] Journal of Cardiology and Vascular Medicine, (ISSN: 2232-239X) (13.09.2021)
- [4] Uttar Pradesh Journal of Zoology, (ISSN: 0256-971X) (10.09.2021)
- [5] Journal of Global Ecology and Environment, (ISSN: 2454-2644) (09.09.2021)
- [6] European Journal of Medicinal Plants (ISSN: 2231-0894) (07.04.2021)
- [7] Asian Journal of Research in Infectious Diseases (ISSN: 2582-3221) (22.09.2020)
- [8] International Journal of Biochemistry Research & Review (ISSN: 2231-086X) (18.08.2020)
- [9] International STD Research & Reviews (ISSN: 2347-5196) (18.08.2020)
- [10] Journal of Scientific Research and Reports (ISSN: 2320-0227) (11.03.2021)
- [11] International Journal of Tropical Disease & Health (ISSN: 2278-1005) (15.10.2020), (10.09.2021)
- [12] Asian Journal of Research and Reports in Gastroenterology (09.11.2020)
- [13] International Journal of Medical and Pharmaceutical Case Reports (ISSN: 2394-109X) (26.04.2021)
- [14] South Asian Journal of Social Studies and Economics (ISSN: 2581-821X) (25.06.2021)
- [15] International Journal of Plant & Soil Science (ISSN: 2320-7035) (14.07.2021)
- [16] Plant Cell Biotechnology and Molecular Biology (ISSN: 0972-2025) (09.12.2020)
- [17] Current Journal of Applied Science and Technology (ISSN: 2457-1024) (17.08.2021)
- [18] Journal of Advances in Mathematics and Computer Science (ISSN: 2456-9968) (24.08.2021)
- [19] Journal of Pharmaceutical Research International (ISSN: 2456-9119) (18.01.2021)
- [20] Asian Journal of Biology (ISSN: 2456-7124) (31.12.2020)
- [21] Journal of Advances in Microbiology (ISSN: 2456-7116) (14.07.2021)
- [22] Nature-Journal of Human Genetics, Nature Publishing group (IF 2.275), ISSN:1434-5161(11.05.2009)
- [23] Cellular and Molecular Bioengineering, SpringerLink, Germany (BMES), ISSN:1865-5025(29.05.2009)
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- [25] Gene Therapy & Molecular Biology, USA, ISSN: 1529-9120 (04.11.2009)
- [26] Recent Patents on Electrical Engineering, Bentham Publishers, USA, ISSN: 1874-4761 (24.01.2008)
- [27] Current Nanoscience, Bentham Publishers, USA, ISSN: 1573-4137 (IF- 2.08) (27.09.2007)
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- [29] Journal of Medical Genetics and Genomics, Academic Journals, South Africa
- [30] Journal of Plant Breeding and Crop Science, ISSN:2006-9758, Academic Journals, South Africa
- [31] African Journal of Pharmacy and Pharmacology, South Africa, ISSN: 1996-0816 (10.07.2009)
- [32] International Journal of Computer Science and Information Security, USA, ISSN: 1947-5500
- [33] Advancements in Info. Technology and Internet Security, Shroff Publisher, ISBN10:81-8404-427-5(15.11.2009)
- [34] Int. Conference on Advances in Computer Vision and Info. Technology, Aurangabad (07.07.2007, 06.06.2009)

Organizing Committee Member / Coordination of Technical Committee

- [1] Organizing Secretary: Workshop on Advances in Computer Aided Drug Designing, School of Technology & School of Life Sciences, S.R.T.M. University, Nanded, India, Feb 18, 2010.*
- [2] Coordination Chair: Seminar on Econometrics, Economics and Research Forecasting, School of Social Sciences, S.R.T.M. University, Sub-Centre, Latur, 413531, India, Feb 8, 2010.*
- [3] General Chair: Seminar on Current Trends in Bioinformatics and Computational Intelligence, School of Technology, S.R.T.M. University, Sub-Centre, Latur, 413531, MS, Jan 22, 2010.*
- [4] Session Chair: 2nd International conference on Advances in Computer Vision and Information Technology, (ACVIT-09), Aurangabad, India, 16-19 December 2009
- [5] Session Coordinator, Organizing Committee Member: International conference on Advances in Computer Vision and Information Technology, (ACVIT-07), Aurangabad, India, 28-30 Nov 2007
- [6] Organizing Committee Member: Workshop on Advances in Computer Aided Drug Discovery & Design Methods, Navi Mumbai, 3-6th October, 2007.*
- [7] Organizing Committee Member: National Symposium on Genomics, Proteomics and Bioinformatics, Osmanabad, India, 9th & 10th February, 2007.

Position Held: Invited Talk / Resource person / Project Guide / Expert Lecture

- [1] Resource person: 108th Orientation Programme: 07-02-2015: UGC-Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, India
- [2] Resource person: STC on professional development for senior faculty: 06-02-2015: UGC-Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, India
- [3] Resource person: STC on research grants, publication & methods R: 11-07-2014: UGC-Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad.
- [4] Resource person: Refresher Course in Life Sciences (MD): 11-07-2014: UGC-Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, India
- [5] Resource person: 102 Orientation Programme: 28-02-2014: UGC-Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, India
- [6] Resource person: STC on Preparation of Research Project: 25-10-2013: UGC-Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, India
- [7] Resource person: for UGC Sponsor State Level Seminar on Advance in Biotechnology, Department of Botany, K.B.P. Mahavidyalaya Pandharpur, India, 13-14 Feb., 2009.
- [8] Expert Lecture: Shivchhatrapati College, Aurangabad, 18/12/2009
- [9] Expert Lecture: Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, 16/01/2008
- [10] Resource Person: Vidya Pratishthan's School of Biotechnology, Baramati, 2007-2009
- [11] Board of Study Member, Padmashree Dr. D. Y. Patil University, Navi Mumbai
- [12] Project Guide for M.Sc. Bioinformatics at Suryadatta College of Management and Information Technology, Pune, 2007-08. (Sikkim-Manipal University)
- [13] Project Guide for M.Sc. Bioinformatics at Maulana Azad College, Dr. Rafiq Zakeria Campus, Aurangabad, India, Aurangabad, 2007-08. (Dr. B.A.M. University)
- [14] Project Guide for M.Sc. Biotechnology at New Arts, Commerce & Science College, Wardha, India, 2007-08. (RTM Nagpur University)
- [15] Project Guide for B.Sc. Biotechnology at Dyansadhana Asian Institute of Core Competence, Thane, India, 2007-08 (Sikkim-Manipal University)
- [16] Project Guide for M.Sc. Biotechnology at Swami Vivekananda Mahavidyalaya, Udgir, India, 2005-08. (SRTM University)
- [17] Project Guide for B.Sc. Biotechnology at Shri. V. G. Shivdare College of Arts, Commerce and Science, Solapur, India (Solapur University)
- [18] Project Guide for M.Sc. Biotechnology, International Institute of Technology and Management, Hyderabad
- [19] External Examiner: MSc Botany Annual Practical Exam, Sant Gadge Baba Amravati University, 02 April 2007.

- [20] External Examiner: BSc Bioinformatics Annual Practical Exam, Yeshwant College of Information Technology, 13-17 March 2007.
- [21] External Examiner: M. Phil Computer Science Annual Practical Exam, Dept of Computer Science, DCPE, HVPM, Amravati (Study Centre YCMOU Nashik), 11 - 20 June 2006.
- [22] **Chairman** for paper setting committee for Bioinformatics, SRTM University, Nanded, 2007
- [23] **Chairman** for paper setting committee for Bioinformatics, Shivaji University, Kolhapur, 2006
- [24] **Member of Bioinformatics Syllabus Setting Committee**, Sant Gadge Baba Amravati University, Amravati, India, Aug-2005.

Professional Membership of Society

- [1] Life Member: Computer Society of India, Membership ID: 01177903, 22/08/2012
- [2] Life Member: The Indian Science Congress Association ID: L-20577, 31/08/2012
- [3] Life Member: The Indian Society of Human Genetics, Membership ID: L/1654/2012
- [4] Life Member: The Indian Society for Parasitology, Membership ID: 793, 30/08/2012
- [5] Life Member: The Indian Society of Cell Biology, Membership ID:2012009, 10/09/2012
- [6] Life Member: Indian Immunology Society Membership ID: LM/IIS-250/08/12, 20/08/2012
- [7] Life Member: Association of Microbiologists of India ID: AMI/LM-303/2012, 11/09/2012
- [8] Life Member: The Indian Academy of Neurosciences (IAN): ID: LG - 73, 20/09/2012
- [9] Life Member: Indian Society of Blood Transfusion & Immunohaematology: M ID: MH-349, 13/09/2012
- [10] Life Member: Nutrition Society of India, 24/09/2012
- [11] Life Member: Indian Mathematical Society, Membership ID: G-12-11, 21/09/2012
- [12] Life Member: Indian Biophysical Society (IBS), Membership ID: LM-878, 23/09/2013
- [13] Life Member: Bharat Krishak Samaj, Membership ID: LM-112878, 14/08/2013
- [14] Life Member: Indian Red Cross Society, Membership ID:5268, 14/08/2013
- [15] Life Member: Environmental Mutagen Society of India, Membership ID: LM-500, 10/10/2013
- [16] Life Member: Indian Society of Analytical Scientists, Membership ID: 2302, 03/08/2013
- [17] Life Member: Indian Association of Hydrologists, Membership ID: LM-1768, 12/09/2013
- [18] Life Member: Indian Crystallographic Association, Membership ID: LM-510, 16/08/2013
- [19] Life Member: The Society of Biological Chemists, India, ID: LM-3096, 22/08/2013
- [20] Life Member: Association of Medical Physicists of India, ID: LM-2244, 27/09/2013
- [21] Life Member: Indian Peptide Society
- [22] Life Member: ADNAT-Association for the promotion of DNA fingerprinting and other DNA Technologies, ID: L-917, 10/08/2013
- [23] Life Member: The Society for Biotechnologists (India), Membership ID: LM-657, 23/09/2013
- [24] Life Member (हितचिंतक): Marathi Vidnyan Parishad, ID: PPMWA2013-035, 19/09/2013
- [25] Life Member: Electron Microscope Society of India (EMSI), ID: LM-949, 22/11/2013
- [26] Life Member: Indian Association of Nuclear Chemists and Allied Scientists, ID: LM-1568, 03/10/2013
- [27] Life Member: Society for Materials Chemistry (SMC), Membership ID: 734, 30/12/2013
- [28] Life Member: Mumbai Immunology Group, Date: 13/12/2013
- [29] Life Member: Indian Library Association: Membership ID: WL- 11585, 26/03/2013
- [30] Life Member: Karnataka State Library Association
- [31] Life Member: Society for Information Science
- [32] Life Member: Ahmedabad Library Network
- [33] Life Member: Society for the Advancement of Library and Information Science, ID: NG13006, 29/03/2013
- [34] Life Member: Maharashtra Pakshi Mitra ID: L-00734, 14/05/2014
- [35] Life Member: International Society of Zoological Sciences (ISZS) ID: 951-I, 24/08/2012
- [36] Life Member: Association of Separation Scientists and Technologists (ASSET), ID: LM-0252, 07/03/2015
- [37] Life Member: Bengal Library Association, ID: L2649, 04/11/2015

- [38] Life Member: Biomathematical Society of India, 06/04/2015
- [39] Life Member: Indian Photobiology Society, ID: 246, 01/04/2015
- [40] Life Member: Indian Physical Society, ID: 1059, 01/04/2015
- [41] Member: International Indian Statistical Association
- [42] Member: The Indian Pharmaceutical Association IPA, ID: MAH/PUNE/OM/0881
- [43] Member: Bombay Natural History Society (BNHS), ID:O-68431
- [44] Member: The Society of Fisheries Technologists (India)
- [45] Member: Hong Kong Proteomics Society
- [46] Member: The International Society of Exercise and Immunology (ISEI), Denmark
- [47] Member: International Natural Hygiene Society [INHS]
- [48] Member: International Society for Environmental Information Sciences, ISEIS
- [49] Member: International Society of Lyophilization - Freeze Drying
- [50] Member: International Association of Computer Science & Information Technology, Singapore, ID: 80332499
- [51] Member: International Association of Engineers, Society for Bioinformatics, ID: 102993, 20/08/2012
- [52] Member: International Association of Engineers, Society for Computer Science, ID:102993, 20/08/2012
- [53] Member: The Computer Science Teachers Association (CSTA), ID: 9658002
- [54] Member: Asia-Pacific Chemical, Biological & Environmental Engineering Society, Member ID: 100827
- [55] Member: The Seek Digital Library
- [56] Member: The SCIENCE and Engineering Institute (SCIEI), ID: 20130812001
- [57] Member: Universal Association of Computer and Electronics Engineers ID: SNM1004303, 15/08/2013
- [58] Member: Academy & Industry Research Collaboration Center (AIRCC), ID: 128927
- [59] Member: The International Association of Online Engineering (IAOE), ID: 641
- [60] Global Member: Internet Society (ISOC), ID: 91408
- [61] Member: International Economics Development and Research Center (IEDRC), ID: 30080139
- [62] Member: American Institute of Chemical Engineers, USA
- [63] Member: European Federation of Biotechnology, Barcelona - Spain
- [64] Member: American Society for Microbiology, Washington, DC, USA
- [65] Member: World Academy of Science, Engineering and Technology, WASET, USA
- [66] Member: The American Society for Pharmacology and Experimental Therapeutics, ID: 15734, USA

Research paper published

- [1] Mishra S, Gomase VS (2021) Application of *in silico* Approach in Prediction of Epitopes, Research Journal of Biotechnology, 16(2), 206-214.
- [2] Mishra S, Gomase VS (2021) *In silico* Insights to Predict the Major Histocompatibility Complex Peptide Binders from Protein, European Journal of Molecular & Clinical Medicine, 8(2), 219-226.
- [3] Mishra S, Sharma CK, Gomase VS (2020) Study of Potential Binders of the Protein from GWD, Sustainable Humanosphere, 16(1), 183-192.
- [4] Mishra S, Sharma CK, Gomase VS (2020) Machine Learning Approach for Prediction of MHC Binding Peptides, International Journal of Advanced Science and Technology, 29(3), 2445-2451.
- [5] Mishra S, Gomase VS (2018) MFold: Machine learning approach for predicting secondary structure of the trnP tRNA. International Journal of Biology Research, 3(1), 185-187.
- [6] Mishra S and Gomase VS (2018) Computational Comparative Homology Based 3D Structure Modeling of the Cytochrome c oxidase subunit III. International Journal of Advance Research in Science and Engineering, 7(2), 1081-1092.
- [7] Mishra S and Gomase VS (2018) An immunoinformatics based approach to identify and design synthetic peptide vaccine for Loiasis. International Journal of Advance Research in Science and Engineering, 7(3), 694-707.
- [8] Mishra S, Gomase VS (2017) Study of Hydrophobicity, Surface Accessibility, and Antigenicity of Protein from *Dracunculiasis*. Asian Journal of Science and Technology (AJST), 8(9), 5517-5523.
- [9] Mishra S, Gomase VS (2016) Prediction of MHC Binding peptides and Antigenic peptides of Hsp70 from GWD. EC Pharmacology and Toxicology, 2.1: 36-53.
- [10] Mishra S, Gomase VS (2016) Identification of Antigenic Determinants, Solvent Accessibility and MHC Binders of Antigen NADH Dehydrogenase Subunit 5 from a Little Dragon from Medina (*Dracunculus medinensis*). Drug Des., 5, 126. doi:10.4172/2169-0138.1000126.
- [11] Mishra S, Gomase VS (2016) Study of Hydrophobicity and Prediction of Antigenic Epitope of NADH dehydrogenase subunit 5 from *D. medinensis*. Drug Des., 5, 127. doi: 10.4172/2169-0138.1000127.
- [12] Mishra S, Gomase VS, Karbhari V K (2016) SVM based Prediction of Major Histocompatibility Complex Binders: Identification and Analysis of *Dracunculus medinensis* Peptide. Organic and Medicinal Chemistry International Journal, 1(2), 555-557. doi: 10.19080/OMCIJ.2015.01.555557
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- [16] Mishra S, Gomase VS (2016) Computational Comparative Homology Based 3D-structure Modelling of the *HSp70* Protein from GWD. J Health Med Informat., 7, 233. doi:10.4172/2157-7420.1000233.
- [17] Mishra S, Gomase VS (2016) Computational Approach to Identify the Major Histocompatibility Complex Binding Antigenic Peptides from '*Ascariasis*'. J. Data Mining Genomics Proteomics, 7, 198. doi:10.4172/2153-0602.1000198.
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- [19] Mishra S, Gomase VS (2016) Antigenic Determinants of Utrophin from *Dracunculus medinensis*: New Approach for Synthetic Peptide Vaccines. EC Pharmacology and Toxicology, 2(5), 232-239.
- [20] Mishra S, Gomase VS, Ravikant (2016) Toxicoproteomics: Current Trends in Analytical Techniques. EC Pharmacology and Toxicology, 2(4), 193-207.

- [21] Mishra S, Gomase VS (2016) Prediction of MHC Binding Peptides and Antigenic Peptides from *Ascaris lumbricoides*. J. Autoimmune Disorder, 2(2), 18. doi:10.21767/2471-8513.100018
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- [23] Mishra S and Gomase VS (2016) Cytochrome B analysis for hydrophobicity, surface accessibility and antigenicity. International Journal of Science, Technology and Management, 5(1), 90-100.
- [24] Mishra S and Gomase VS (2016) A Little Dragon-*Drancuculus medinensis* A Surprise in the Microbial World. International Journal of Advanced Technology in Engineering and Science, 4(1), 101-116.
- [25] Mishra S Gomase VS and Kale KV (2016) Evolutionary distance & conserved domain analysis of divergent phylogenetic lineages of cytochrome c oxidase subunit III (Mitochondrion). International Journal of Advance Research in Science and Engineering, 5(3), 67-75.
- [26] Mishra S Gomase VS and Kale KV (2016) Analytical study of antigenicity and MHC binder of the cytochrome c oxidase subunit I. International Journal of Advanced Technology in Engineering and Science, 4(1), 147-162.
- [27] Changbhale SS, Mishra S, and Gomase VS (2016) Study of solvent accessibility of Neurotoxin from *Mesobuthus tamulus*. International Journal of Innovative Research in Science and Engineering, 2(5), 27-39.
- [28] Changbhale SS, Mishra S, and Gomase VS (2016) SVM based Prediction of Major Histocompatibility Complex Binders: Expression and Analysis of *Mesobuthus tumulus* Peptide. International Journal of Advanced Technology in Engineering and Science, 4(5), 55-62.
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Bioinformatics Proficiency

Bioinformatics software (BioTools)

LIMS – Laboratory Information Management system
StatXact, LogXact – Cytel Software (SAS)
DS Gene 1.5 – Accelrys Software
Gene Tool 2.0, Pep Tool 2.0, Chromo Tool 2.0 – Xseed Software Inc.
GeneSolve, ProteinSolve, Array Assist– Stratagene.
DNA Tools 6.0.118,
SVM- RNAi- Gero G Software.
Xpression Primer 3.0, SIM VECTOR – Premier Biosoft International
Total Lab- Nonlinear Dynamic.
Phoretix 1D, Phoretix 2D, Phoretix Array (Nonlinear Dynamic.)
SIMS™- (Scientific Image Management System)- Scimagix
PATHIAM™ and HistoGrid™. These software systems work with popular assays like IHC, FISH, and H&E, enabling high throughput analysis and accelerated drug discovery.

Modeling Software and Structural Viewer

BIOVIA, AutoDock, INSIGHT-II, VLife-MDS, DS Viewer, DSGene (Accelrys), Mol Modeling Pro, Python Molecule Viewer, Rasmol, Cn3D4.1, Chimera Viewer, Swiss PDB viewer, Astex viewer, Mage, HyperChem 7.5., Argus Lab, Chem-Sketch, Marvin-Sketch

Database search, biological data banks and analysis

PubMed, Entrez, GenBank, OMIM, MeSH, SRS, UniProt, TrEMBL, EMBL, DDBJ, PIR, PDB, KEGG, Brenda, MIAME, ArrayExpress

Computational methods for sequence analysis

FASTA, BLAST, CLUSTAL W, Dotlet

Methods for Secondary protein structure prediction

Chou Fasman, GOR, Jpred, Predict Protein, SOPMA

Methods for Tertiary protein structure prediction

Comparative modeling – CPHmodels, Geno3d
Threading – FUGUE, LOOPP

Functional analysis

Topology prediction – TMHMM, COILS

Gene Prediction

GeneMark, Genscan, FGENESH, FGENES
RNA Secondary structure prediction – siDirect, DEQOR, MFOLD

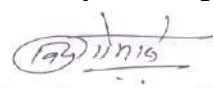
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References

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Declaration: I hereby declare that the above furnished information is correct and true to the best of my knowledge.



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