

CURRICULUM VITAE



1. PERSONAL DETAILS:

NAME : **Dr. Deepika Nilesh Jain**
DATE OF BIRTH : 19th December 1988
DESIGNATION : Assistant professor
DEPARTMENT : Department of Microbiology
COLLEGE : Ghulam Nabi Azad Arts, Commerce and
Science College, Barshitakli (444 401), Dist-
Akola.
AREA OF SPECIALIZATION : Microbiology
DATE OF JOINING : 26/01/2020
LANGUAGES KNOWN : English, Hindi, Gujarati, Marathi and Marwari
HOME (RESIDENTIAL) : Toshniwal Layout, In front of New Telephone
Exchange, Near Tuljabhavani Mandir, Akola
Tq. & Dist. Akola (M.S.) 444001
Cell No. 9552819898, 9834599824
E-mail : deepika19jain@gmail.com

2. ACADEMIC QUALIFICATION:

Ph. D. (Microbiology) : Awarded Ph.D. from Sant Gadge Baba Amravati
University, Amravati, Maharashtra in the year 2018.
M.Sc. (Microbiology) : Shri. Shivaji College of arts, commerce and science,
Akola, Sant Gadge Baba Amravati University,
Maharashtra (2011) (India), **1st Division.**

B.Sc. (Microbiology) : N.V. Patel Science College, Sardar Patel University, Vallabh Vidyanagar (Anand), Gujarat (2009) (India), **II Division.**

LL.B. : Pursuing from Shri Nathmal Goenka Law College, Akola.

3. TECHNICAL QUALIFICATIONS:

- A. Successfully completed Computer course in Windows and Tally.
- B. English Typing 30, 40 W.P.M.

4. Ph.D. TOPIC:

Title: "Isolation, Identification and Molecular Characterization of Pathogenic Bacteria Associated with Cases of Corneal Ulcers".

Guidance: Dr. Vilas A. Kamble, Professor and Head, P. G. Department of Microbiology, Aadarsh Mahavidyalaya, Dhamangaon Railway, Maharashtra.

5. PROJECT DONE (For M.Sc.):

Title : "Detection of Extended Spectrum of β -lactamase producing *Pseudomonas aeruginosa* from invasive infections".

Guidance: Dr. M. Musaddiq, Professor and Head, P. G. Department of Microbiology, Shri Shivaji College of Arts, Commerce and Science, Akola.

6. RESEARCH WORK:

❖ Reported **Two New Bacteria** associated with cases from corneal ulcer. As per the literature nobody has reported about these organisms for the corneal ulcers till now in the world.

❖ **10** bacterial sequences got access in **NCBI GENE BANK.**

Sr. No.	Entry ID	Organism name	Accession number
1	58a2f8facb37162c0a030a43.PBCUS64	<i>Staphylococcus aureus</i>	LC216327
2	58a2f8facb37162c0a030a43.PBCUP49	<i>Pseudomonas</i>	LC216326

		<i>aeruginosa</i>	
3	58a2f8facb37162c0a030a43.PBCUK21	<i>Klebsiella pneumoniae</i>	LC216325
4	58a2f8facb37162c0a030a43.PBCUE30	<i>Escherichia coli</i> (1)	LC216324
5	58a7d8bbd25b2c3a5b000524.PBCUUn167	<i>Escherichia coli</i> (2)	LC217387
6	58a7d8bbd25b2c3a5b000524.PBCUUn123	<i>Pseudomonas fluorescens</i>	LC217386
7	58a7d8bbd25b2c3a5b000524.PBCUUn05A	<i>Exiguobacterium aurantiacum</i>	LC217383
8	58a7d8bbd25b2c3a5b000524.PBCUUn05B	<i>Achromobacter xylooxidans</i>	LC217384
9	58a7d8bbd25b2c3a5b000524.PBCUUn101	<i>Pseudomonas gessardii</i>	LC217385
10	XIV	<i>staphylococcus aureus</i>	LC475102

7. AWARDS AND ACHIVEMENTS:

1. **“Best Committee Member Award”** in “Two Days **International** Conference Proceeding in Life Science” held on 1st & 2nd March 2021 organized by International Journal of Microbial Science (<http://theijms.com>).
2. **“Best Presentation Award”** in “Two Days **International** Conference Proceeding in Life Science” held on 1st & 2nd March 2021 organized by International Journal of Microbial Science.
3. **“BEST WOMEN AWARD”** by First Prize in E Poster competition on occasion of “International Day of Women and Girls in Science” organized by Department of Microbiology, PDEA’S Annasaheb Magar Mahavidyalaya, Hadapsar, Pune held on 11th February 2021.
4. Awarded with **“YOUNG SCIENTIST AWARD”** in **International** conference on “Recent Trends in Sciences & Technology Sustainable Development Through Scientific Approach” organized by SSES Amravati’s Science College, Congress Nagar, Nagpur held on 12-14th July, 2017.
5. **“BEST RESEARCH STUDENT”** Award of the year 2016 on 26th January 2016 from Shri Shivaji College of arts, commerce and science, Akola.
6. Awarded with **“Maulana Azad National Fellowship”** to pursue Ph.D. Degree.
7. **“Colour Coat winner”** in Inter-collegiate Research Festival ‘**Avishkar-2015**’ (Research for Sustainable Development) at PPG level in the category of Medicine and Pharmacy held at Sant Gadge Baba Amravati University, Amravati during October 30-31st, 2015.

8. **“Colour Coat winner”** in Inter-collegiate Research Festival ‘**Avishkar-2016**’ (Research for Sustainable Development) at PPG level in the category of Medicine and Pharmacy held at Sant Gadge Baba Amravati University, Amravati during December 15-16th, 2016.
9. **“Swami Vivekanand Gaurav Chinh Award”** from Adarsh Mahavidyalaya, Dhamangaon Railway. Amravati.
10. Selected for the guest interview in **“Ubharte Kalakar”** program at **PRASAR BHARATI, ALL INDIA RADIO**, Akola Akashwani Center, held on 20th August 2016.
11. **“Best poster Award” (Gold Medal)** in Poster presentation from Post PG in **International** conference on “Modern Aspects in Microbial Science” organized by Shri Shivaji College, Akola held on 3rd January, 2015.
12. **“Best poster Award” (Silver Medal)** in **International** conference on “Innovative trends in chemical, physical, and biosciences (ITCPB 2016)” held on 9th & 10th February 2016 organized by PDES’s Annasaheb magar mahavidyalaya, Hadapsar, Pune.
13. Felicitated by **‘Godavah Jyoti’** Weekly News paper of Mumbai by published article about me on 4th may 2016.
14. Achieved **“Late Gopalrao R. Lande Award”** (2011) for Secured highest Marks in M.Sc. in the Subject Microbiology.
15. Achieved **“Student of the Week Award”** from Aspire Institute, Akola.

8. TEACHING AND RESEARCH EXPERIENCE:

1.	Teaching experience	10 years
2.	Recognize Guide for M. Sc. dissertations and U. G. projects.	10 years
3.	Research Paper Publication (International /National Journals)	15
4.	Presented papers (oral & Poster)in various national and international conferences	24
5.	Workshop/Symposium	8
6.	Courses	2
7.	Talk Series	2
8.	FDP	6
9.	Orientation Programme	1
10.	Participation in Conference (National /International)	4
11.	Seminar (International/ National/ State/ Regional)	25
12.	Guided students for Dissertation of M. Sc. (Microbiology).	5

9. PAPER PUBLICATION IN NATIONAL AND INTERNATIONAL JOURNALS:

1. **Jain Deepika** and Hande Roshan, (2021). "Isolation and antimicrobial profiling of pathogenic bacteria from fish samples" *Int. j. of. Life Sciences*, Special Issue, A16: 63-70. ISSN 2320-7817(p), 2320-964X (0).
2. **D. N. Jain**, (2020). "COVID-19: GENERAL CHARACTERISTICS, ORIGIN, SYMPTOMS, DIAGNOSIS, PREVENTION AND IMPACT ON HUMAN MENTAL STATE" *Vidyabharati International Interdisciplinary Research Journal* (Special Issue June 2020) ISSN 2319-4979, 595-598.
3. **Deepika N. Jain**, Vilas A. Kamble (2018). "Exiguobacterium aurantiacum: Virulent pigment producing a novel pathogenic bacteria associated with cases of corneal ulcers": *Indian Journal of Microbiology Research*, **5** (4) : 451-459. (International)
4. **Deepika N. Jain**, Vilas A. Kamble (2017). "Molecular characterization of corneal ulcers causing *Staphylococcus aureus*": *International Journal of Research in Medical Sciences*, **5** (4) : 1419-1424. (International)
5. **Deepika N. Jain**, Vilas A. Kamble (2017). "Extended Spectrum of β - Lactamase Producing Gram Negative Bacteria Isolated from Corneal Ulcers". *International journal of Research In Biosciences, Agriculture & Technology*, **5** (2) : 48-51. (International)
6. **Jain Deepika**, Jain Hansmukh (2017). "Actinomycetic Ulcerative Keratitis". *Journal of Microbiology and Related Research*, **3** (2) : 137-140. (International)
7. Sheetal Patel, M Musaddiq, **Deepika Jain** (2016). "Detection of nitrite and sulphate residues in vegetables grown at Tapti river basin in Burhanpur city (Madhyapradesh) India". *International Journal of Applied Research (IJAR) journal*, **2** (1) : 81-84. (International)
8. **Jain Deepika**, Musaddiq M. (2015). "Combination therapy on pathogenic bacteria from corneal ulcers". *International Journal of Applied Research (IJAR) journal*, **1** (11) : 878-881. (International)
9. **Jain D. N.**, Musaddiq M. (2015). "Comparative Studies for the presence of *Escherichia coli*, *Proteus vulgaris* and *Klebsiella pneumoniae* Responsible for Corneal Ulcer". *New Interdisciplinary National Journal*, **4** (2) : 19-23.

10. Prof. M. Musaddiq, **Jain D. N.**, Budhlani G. N. (2014). “Antibiotic resistance problems in Pathogenic Bacteria Associated with Cases of Corneal Ulcers”. *Indian Journal of Applied Research (IJAR) journal*, **4** (5) : 523-525. (National)
11. **D. N. Jain**, M. Musaddiq (2014). “Pathogenic bacteria associated with cases of Corneal Ulcers”. *Indian Journal of Life Sciences (IJLS) journal*, **4** (1) : 21-23. (International)
12. **Dipika Jain** (2012). “Detection of Extended Spectrum of Beta lactamase producing organisms from invasive Infections”. *Journal of Microbial World (JMW) journal*, **14**(1) : 49-56. (National)
13. **Dipika L. Jain**, Dr. M. Musaddiq (2011). “Detection of Extended Spectrum of β -lactamase producing *Pseudomonas aeruginosa* from invasive infections”. *Bioscience Biotechnology Research Communications (BBRC) journal*, **4** (1) : 65-69. (International)
14. **Deepika N. Jain**, Vilas A. Kamble, “Etiological Risk Factors Responsible for Corneal Ulcers” In Recent Advances in Sciences – 2017 conference proceeding bearing the IDEAL-ISSN-2319-359X.
15. Sneha Khandare, **Deepika N. Jain**, “Pathogenic bacterial attack in post operative cataract surgery” In Recent Advances in Sciences – 2017 conference proceeding bearing the IDEAL-ISSN-2319-359X.

10. PAPER PRESENTATION IN NATIONAL AND INTERNATIONAL CONFERENCES:

1. Oral paper presented on “A Bad Pigment Producing *Pseudomonas gissardii*, Novel Pathogenic Bacteria from Corneal Ulcers” in Two Days **International** Conference Proceeding in Life Science” held on 1st & 2nd March 2021 organized by International Journal of Microbial Science (<http://theijms.com>).
2. Oral paper presented in **International** e-conference on “Impact of COVID-19 on Various Areas of Global Economy, Science and Humanities” organized by Gondwana University, Gadchiroli; Mahila Mahavidyalaya, Amravati; Chintamani College of Commerce, Pombhurna; Chintamani Mahavidyalaya, Pombhurna; Chintamani Mahavidyalaya, Ghugus; Chintamani college of Science, Pombhurna &

Chintamani College of Arts and Science, Gondpipri, Disttict Chandrapur, MS, India held on 24th and 25th June 2020.

3. Oral paper presented in **International** e-conference on “ Emerging Trends in Biosciences & Technology” jointly organized by School of Science, Sandip University, Nasik and India & Biotechnology Society of Nepal (BSN), Nepal held on June 1-3, 2020.
4. Poster paper (Studies on Bovine Mastitis) presented in **National** symposium cum workshop on “Bio-waste and Bio-resource” organized by Department of Microbiology and IQAC, Shankarlal Khandelwal Arts, Science and Commerce College, Akola. (M.S.) on 23rd February, 2019.
5. Oral paper presented in **International** conference on “ Recent Trends in Sciences & Technology” organized by S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad), Washim held on 22-23rd March, 2018.
6. Oral paper presented in **International** conference on “ Recent Trends in Sciences & Technology Sustainable Development Through Scientific Approach” organized by SSES Amravati’s Science College, Congress Nagar, Nagpur held on 12-14th July, 2017.
7. Oral paper presented in **National** conference on “ Recent Advances in Sciences-2017” organized by Late Pushpadevi Patil Arts and Science College, Risod, Washim on 9th March 2017.
8. Oral paper presented on **National Science Day** on Research topic organized by Shri Shivaji College, Akola held on 28th February 2017.
9. Research paper presented in 11th Maharashtra State Inter University Research Convention “**Avishkar-2016**” organized by Swami Ramanand Teerth Marathwada University, Nanded during 27th -29th January, 2017.
10. Poster paper (Cataract cases) presented in **National** conference on “ Recent Trends and Opportunities Life Sciences” organized by PDEA’s Waghire College, Saswad, Pune on 24-25th January, 2017.
11. Poster paper (Pigmented Corneal ulcers) presented in **National** conference on “ Recent Trends and Opportunities Life Sciences” organized by PDEA’s Waghire College, Saswad, Pune on 24-25th January, 2017.

12. Oral and poster paper presented in Inter collegiate research convention “**Avishkar-2016**” organized by Sant Gadge Baba Amravati University, Amravati during 15th-16th December, 2016.
13. Research paper presented in District level Inter collegiate research festival “**Avishkar-2016**” organized by Shri Shivaji Science College, Amravati during 07th October, 2016.
14. Poster presented in **International** conference on “Innovative trends in chemical, physical, and biosciences (ITCPB 2016)” organized by PDES’s Annasaheb magar mahavidyalaya, Hadapsar, Pune, held on 9th & 10th February 2016.
15. Research paper presented in 10th Maharashtra State Inter University Research Convention “**Avishkar-2015**” organized by Savitribai Phule Pune University, Pune during 10th -12th January, 2016.
16. Oral and poster paper presented in Inter collegiate research festival “**Avishkar-2015**” organized by Sant Gadge Baba Amravati University, Amravati during 30th-31st October, 2015.
17. Oral and poster paper presented in District level Inter collegiate research festival “**Avishkar-2015**” organized by Shri Shivaji College, Akola during 19th October, 2015.
18. Poster presented in **International** conference on “Biological Sciences: Food, Health and Environmental perspectives (ICBSc-2015)” organized by Institute of Biological sciences, University of Rajshahi, Bangladesh, held on 8th August 2015.
19. Oral and poster paper presented in Inter-Collegiate Research Convention “**Avishkar-2014**” organized by Sant Gadge Baba Amravati University, Amravati, during 8-9th January, 2015.
20. Oral and poster paper presented in District level Inter collegiate research festival “**Avishkar-2014**” organized by Shri Shivaji College, Akola during 18th November, 2014.
21. Poster presented in **International** conference on “Modern Aspects in Microbial Science” organized by Shri Shivaji College, Akola held on 3rd January, 2015.

22. Poster presented in **National** conference on “Biodiversity conservation and role of Microbes in sustainable environment management” organized by Jawaharlal Nehru Arts, Commerce and Science College, Nagpur, held on 18th October, 2014.
23. Oral paper presented in **National** conference on “ Advances in Life Sciences For Sustainable Rural Development” organized by Dept. of Microbiology and Zoology of Shri Shankarlal Khandelwal College, Akola on October 11-12, 2011.
24. Poster presented in **National** conference on “Biotechnology for better tomorrow” organized by Life Sciences Dept. of, Shri Shivaji College, Akola From 6th to 7th February 2010.

11. STUDENTS GUIDED (For M.Sc. PROJECT):

Sr. No.	Name of students	Title	Academic Year
1.	Miss Sneha Khandare	“To study pathogenic bacterial infection after cataract surgery”	2016-17
2.	Miss Mayuri Ambarkar	“Studies of pathogenic bacteria from Bovine Mastitis”	2018-19
3.	Miss Shrutika Kutekar	“ <i>Staphylococcus aureus</i> from Bovine Mastitis”	2018-19
4.	Miss Sadhana B. Dewalkar	Thretening of “ <i>Klebsiella pneumoniae</i> Carbapenemase producing bacteria”	2019-20
5.	Mr. Roshan R. Hande	“Pathogenic Microbial flora associated with Fish and fish sold market”	2019-20

12. ORGANISED ACTIVITIES:

1. **MICROBIOME FERMENTED FOOD FEST** organized For B.Sc. (180) Students on 03/03/2020 at Department of Microbiology, Ghulam Nabi Azad Arts, Commerce and Science College, Barshitakli, Dist-Akola.
2. **MICROBIOLOGICAL SCIENCE MODEL EXHIBITION** organized For B.Sc. (143) Students on 30/01/2019 at Department of Microbiology, Shri Shivaji College, Akola.
3. **SCIENCE MODEL EXHIBITION** organized For B.Sc. (88) Students on 26/09/2016 at Department of Microbiology, Shri Shivaji College, Akola.

4. Organized **GUEST LECTURE** of Dr. Sadhana D. Lote, from Lote Hospital, Akola on topic UTI and Venereal transmitted diseases on 17/02/2017 at Department of Microbiology, Shri Shivaji College, Akola.

13. BOOK PUBLISHED: 01

- ❖ “**Basic techniques in Microbiology (MB 112)**, Savitribai Phule Pune University, Pune, for B.Sc. Degree Course”. (ISBN: 978-93-5457-845-8)

14. Editor Role:

- ❖ Editorial Board member In International Journal of Microbial Science (IJMS) (<http://theijms.com>)

15. Membership of Professional society and Association:

- ❖ Member of Microbiology Society of India
- ❖ Member of Sant Gadge Baba Amravati Vidyapith Shikshan Manch

16. ROLE IN COLLEGE AND DEPARTMENTAL ACTIVITIES:

- ❖ Worked as member of several administrative committees:

- i. Admission Committee.
- ii. College Examination Committee.
- iii. Cultural Activities committee.
- iv. Conferences organizing committee.
- v. Workshop organizing committee.
- vi. Seminars organizing committee.
- vii. Girls student welfare committee
- viii. N.S.S. committee

17. Visiting Lecture:

- ❖ Had given a lecture at “**Shri Ganpati Netralaya, Jalna**” on the topic “Corneal Ulcer Can Lead Vision Loss” 12th December 2015.

18. SOCIAL ACTIVITIES:

1. Regularly **Donate blood** on 15th August and 25th December from 2014.
2. **Plantation** in different area with students.

3. **Teaching** to poor and rural area people and aware about the importance of education.
4. **Public awareness** programs are taken about protection of eyes.
5. Always leading people to maintain **Cleanliness**.
6. Making students and other people aware about **E-Learning, E-Banking, Cashless** works and **Digitalization**.

DECLARATION:

I hereby declare that all the above information and statements are true to the best of my knowledge.

Date: 21/07/2021

Place: Akola.

(Dr. Deepika N. Jain)