

BIO-DATA



1. **NAME** : Prof. Dr. Rohini Avinash Kulkarni (Pandhare)
 2. **DESIGNATION** : Principal (In charge)
 3. **DATE OF BIRTH:** 18-12-1964
 4. **NATIONALITY** : Indian
 5. **U.I.D. No.** : 2905005557271
 6. **SEVARTH ID** : DHERSPF6401
 7. **ADDRESS-**
 OFFICE: Govt. College of Arts and Science, Aurangabad.
 RESIDENCE: 212/1 Samarth Nagar "Radhe Govind", Aurangabad.
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8. ACADEMIC QUALIFICATION:

SR. NO.	NAME OF EXAM	BOARD / UNIVERSITY	YEAR OF PASSING	PERCENTAGE OF MARKS	CLASS
1	SSC	Maharashtra State Board, Aurangabad	1980	70.86	I
2	HSC	Maharashtra State Board, Aurangabad.	1982	55.67	II
3	B.Sc	Marathwada University.	1985	63	I
4	M.Sc.	Marathwada University.	1987	57.25	II
5	Ph.D	Dr Babasaheb Ambedkar Marathwada University	Mar 2016	-	-

9. WORK EXPERIENCE: Principal (In charge) from October 2017

In the capacity of In charge Principal following work is completed :

- With persistent follow-up completed Boys hostel pending work, took possession and 100 boys got benefited.
- Since last three years received grants from DPDC for Instruments and chemicals, all the departments are now enriched with adequate chemicals and recent instruments (Near about 45 lakhs for last 2 years and this year received 25 lakhs more for construction)
- Girls hostel got fully renovated after 25 years.
- From RUSA received 2 crore rupees, from it the first 1 crore was utilized for the creation of language lab, Central instrumental facility lab, Computer lab, Gymnasium with the modern equipments and a canteen facility for students.
- One division of B.A and B.Sc was lapsed since last 8-10 years with persistent follow up with University restored it back from last academic year.
- Vande Mataram multipurpose auditorium is near about to completion for this worked with the CIDCO
- All the purchase is carried out on GEM as per Govt. norms.
- Worked consistently to get few P. G. courses
- NSQF (UGC) granted one PG diploma for microbiology and one Certificate course is sanctioned from this academic year.

SR. NO	NAME & ADDRESS WHERE EMPLOYED PREVIOUSLY	DESIGNATION OF POST HELD	NATURE OF POST	YEAR (From- To)
1.	Govt. College of Arts and Science, Aurangabad	Associate Professor	Head of the Dept.	1 st August 1987 till today

❖ **Total teaching experience:** Undergraduate level : 36 years

❖ **Administrative Experience :**

- Working as principal from August 2023
- Working as Principal from October 2017 to November 2020
- Worked as head of the dept. since Jan 2010

10. PARTICIPATION IN TRAININGS, ORIENTATIONS, REFRESHER COURSES :

Sr. No.	Course	Duration	Organized By
1	Orientation	11 April- 7 May 88	Marathwada University
2	1 st Refresher course in Life science	2 nd Feb-22 nd Feb	Dr. Babasaheb Ambedkar Marathwada University
3	12 th refresher course in Environmental Science	1 st August to 22 nd August 2003	Dr. Babasaheb Ambedkar Marathwada University

11. PARTICIPATION IN SEMINAR AND WORKSHOPS:

Sr. No	Date & Year	State/ National /International level	Title of Seminar/Conference /Workshop	Organizer & Venue	Participation/ Member of Organization Committee.
1	14 January, 1990	Regional	1-Day Seminar on Industrial Pollution	Rotary Club of Aurangabad	Organised.
2	28-30 November, 1991	Regional	Applications of Physical Techniques in Biosciences	Govt Institute of Science, Aurangabad	Participated
3	28-29 November, 1997	State Level	Status of Women in Maharashtra	Govt College of Arts & Science, Aurangabad	Participated
4	14-15 November, 1998	National Seminar	Environmental Education	S.B. College Aurangabad	Participated.
5	22-23 January, 2000	State Level	Infotech Challenges of 21 century	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee.
6	16-17 October, 2000	State Level	Environmental Challenges of the Next Millennium	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee.
7	7-8 October, 2001	National Conference	Plant Biotechnology for Indian Agriculture	Vasant Rao College Aurangabad.	Participated
8	3-6 November, 2001	International	52 International Conference of AMI	Chandigarh	Participated and Poster Presented
9	21 March 2003	Regional Workshop	Neo Knowledge of Bioinformatics & Biotechnology	Computer Society of India DVVIT	Participated
10	19-21 November 2003	National	Biotechnology, Bioresource and Bioenterprises	Osmania University Hyderabad.	Participated

11	31 December 2003	Regional Workshop	Reversing the Epidemic of HIV-AIDS.	Sumanjali Educational & Research Channel	Participated
12	16 November 2005	Regional Workshop	Introductory Molecular Biology & Immunology	MGM College Aurangabad	Participated
13	10 February, 2007	Regional Workshop	Dharma Nirpekshata wa Samajik Nyaya	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee
14	28-29 March, 2007	State Level	Hazardous Waste Management	Environmental Science BAMU	Participated
15	27-28 December, 2008	State Level Workshop	Popularising Astronomy Amongst Masses	Homi Bhabha Center of Education, TIFR Mumbai	Participated
16	15-18 December, 2009	International	50 Annual Conference of AMI	NCL Pune	Participated and Poster Presented
17	11 February, 2010	State Level Seminar	Recent Trends in Microbial Technology	Deogiri College Aurangabad	Participated
18	20-21 February, 2010	National Conference	Technology Foresight in Life Sciences	Maulana Azad College Aurangabad	Participated
19	26 February, 2010	National Seminar	Emerging Trends in Biodiversity and Environment	Govt Institute of Science, Aurangabad	Participated and Oral Presentation
20	6-9 February, 2011	International	BTBT 2011	Association of Microbiologists of India	Participation/ Member of Organization Committee/Oral Presentation/ Chaired a Session
21	27 September, 2010	Regional Workshop	B.Sc. SY Revised Syllabus	Maulana Azad College Aurangabad	Participated
22	21 August, 2011	State Level Workshop	E-Learning	Dept. Of Microbiology BAMU	Participated
23	22 January, 2012	Regional	BTBT, 2020	Microbiologists Society of India & Dr. BAMU	Participated

24	29-30 March, 2012	Regional	Skilled Development Program for Undergraduate Teachers	Govt Institute of Science, Aurangabad	Participated
25	22-23 August, 2012	National	Science For shaping Future of India	Indian Science Congress	Participated
26	5-6 Oct, 2012	National	Basics v. Applied Research in Life Sciences	S.B. college of Science, Aurangabad	Participated and Chaired Session
27	20-22 Oct, 2012	National	Total Quality Management	Sydenham College of Arts & Commerce Mumbai	Participation
28	4-5 January, 2013	State Level Workshop	Statistics- A festival of Statistical Activities	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee
29	24 January, 2013	National	Recent Trends of Cell Lines in Medical Research	Y B Chavan College Of Pharmacy, Aurangabad	Participated
30	24 September, 2013	National	Microbiology Application & Prospects	Deogiri College Aurangabad	Participated
31	27-28 September 2013	State Level	Biodiversity & Conservation	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee
32	27-28 September, 2013	National Workshop	Scientific Papers & Proposals Writing	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee
33	22-23 November, 2013	State Level Conference	Importance of Local History	Govt College of Arts & Science, Aurangabad	Participation/ Member of Organization Committee
34	27-28 th Dec 2013	National	Recent Advances on Biotechnology for Sustainable development of Agriculture	Govt College of Arts & Science, Aurangabad.	Participation/ Member of Organization Committee
36	20 July, 2014	Regional	Recent Trends in Biotechnology	Microbiologists Society of India & Dr. BAMU	Participated

37	9 August, 2014	Regional	Workshop on Revised Syllabus B.Sc SY Microbiology	Yogeshwari Mahavidayala Ambejogai	Participated and Chaired Session
38	24 February, 2015	State Level	Roots to strengthen Research in Life Science	Vivekanand College Aurangabad	Participated
39	23 March, 2015	International	Level 1 in food safety in food catering	High field International Accreditation, Taj Hotel	Participation
40	24 March, 2015	Regional	Popular Lectures in Biotechnology	Maulana Azad College, Aurangabad	Participated

12. RESEARCH PAPER PUBLICATION:

Sr. No.	Title of paper	Journal Name, Page nos., Vol. no., Issue no., Year of publication	ISSN / ISBN NO.	Impact Factor if any	No. of Co-Authors	Whether Principal Author / Supervisor/ Co-supervisor
1	Isolation and Screening of fungi for sorption of hexavalent chromium from soils contaminated with effluents.	J. of Microbial world, 2010 12 (1): 61-65	ISSN-0972-1487		01	Principal Author
2	Chromium (VI) sorption by Saccharomyces cerevisiae isolated from waste biomass of brewing industry.	J. Aqua. Biol., 2011 26: 64-72.	ISSN-0971-4235		01	Principal Author
3	Plasmid mediated tolerance and accumulation of Cr (VI) by Pseudomonas aeruginosa 4442	Bionanofrontier, 2012, 5(1): 21-25	ISSN-0974-0678			

4	Plant Bioassay: An important bio tool to study the detoxification of heavy metals from effluent treated using microbial consortium	AJANTA An International and Multidisciplinary Quarterly Research Journal. Volume VIII Issue II April-June 2019	ISSN 2277-5730	5.5	1	Principal Author
5	Isolation and Screening of Benzointrile Degradation Actinomycetes A15	AJANTA An International and Multidisciplinary Quarterly Research Journal. Volume VIII Issue I January To March 2019	ISSN 2277-5730	5.5	2	Supervisor
6	REMOVAL OF HEXAVALENT CHROMIUM AND OTHER METAL IONS USING SPIROGYRA AEQUETIALIS: AS LOW-COST ADSORBENT	PARIPEX - INDIAN JOURNAL OF RESEARCH October - 2019 Volume-8 Issue-10	ISSN No. 2250 - 1991	6.5	1	Principal Author
7	EFFECT OF VARIOUS PARAMETERS ON REMOVAL OF CHROMIUM (VI) USING PSEUDOMONAS AERUGINOSA 4442	International Journal of Development Research Vol. 09, Issue, 12, pp. 32510-32513, December, 2019	ISSN: 2230-9926	6.68	1	Principal Author
8	Use of Adsorption Isotherms: to predict the Cr (VI)	Trends in life science,	ISSN2319-4731		1	Principal author

	detoxification mechanisms by <i>Ps. aeruginosa</i> 4442	Vol-8, Issue-2 (2019)				
9	Fungal biosorption: an alternative to meet the challenges of Cr (VI) pollution in aqueous solution	Trends in biotechnology research. Vol.8 Issue 1	ISSN2320-043X(e)		1	Principal author
10	Employing adsorption isotherms to explain Metal-microbe interaction A literature review.	Trends in life science, Vol-8, Issue-2 (2019)			1	Principal author
11	Antimicrobial activity of <i>Lactobacillus</i> species Isolated from Yoghurt and Cheese against food pathogens	Trends in life science, Vol-8, Issue-2 (2019)			1	Principal author
12	Application of immobilized beads of <i>Ps. aeruginosa</i> 4442 and role of various effluents on Cr (VI) recovery from metal containing solution	Think India Journal Volume-22 Issue 31st Dec 2019 This paper is presented as oral presentation at National Conference Deogiri College	ISSN::0971-1260	6.2	1	Principal Author
13	Screening, Isolation and Detoxification of Chromium VI by <i>Bacillus</i>	Think India Journal Volume-22 Issue 31st Dec 2019	ISSN::0971-1260	6.2	1	Supervisor
14	<i>Saccharomyces cerevisiae</i> as a biosorbent for detoxification for	Trends in life sciences, vol 6,	ISSN-2319-4731		01	14

	Cr (VI)	Issue-2, (2017)				
15	Heavy metal detoxification using physico-chemical and biological methods: A literature review	Trends in life sciences, vol 6, Issue-3, (2017)	ISSN-2319-4731		01	15
16	Isolation and Screening of Carotenoid Producing Bacteria	International Journal of Current Microbiology and Applied Sciences Volume 9 Number 1 (2020)	ISSN: 2319-7706		2	16
17	OCIMUM SANCTUM (TULSI); PROTECTOR OF LIFE: A REVIEW	World Journal of Pharmaceutical Research	ISSN 2277-7105		02	17
18	Cymbopogon Citratus: A miracle herband boonto medical Science.	International Journal of innovative Pharmaceutical Sciences and research	ISSN 2347-2154		03	18
19	MENTHA ARVENSIS, PHARMACEUTICAL HERB: A REVIEW	International Journal of Recent Advances in Multidisciplinary Research	ISSN 2350-0743		02	19
20	Novel approach to use food waste for detoxification of Cr (VI) from aqueous solutions	International Journal of Biotechnology and Microbiology	Online ISSN: 2664-7680; Print ISSN: 2664-7672;	Impact Factor: RJIF 5.46	2	20

Till 2020 total of 20 papers published.

A. Oral presentations :

- Studies on Metabolic dependent Chromium (VI) uptake by *Pseudomonas aeruginosa* 4442. At National Conference on ***Biotechnology for Better Tomorrow***. Organized by Life Science Department of Shri Shivaji College, Akola, M.S., India from 6th to 7th Feb. 2010.
- *Pseudomonas aeruginosa*: - A novel bioremediator for abatement of Cr (VI) pollutant. At National Conference on ***Emerging trends in biodiversity and environment*** organized by Govt. Inst. of Sci., Aurangabad, M.S., India. 26th Feb. 2010.
- *Saccharomyces cerevisiae*: A potential biosorbent for removing Cr (VI) from aqueous solution. In: ***Proceedings of International Conference on Biotechnology for Better Tomorrow***. (6-9th Feb. 2011) held at Aurangabad, M.S., India.

B. Abstract and Poster presented :

- Reduction of hexavalent chromium by *Pseudomonas aeruginosa* isolated from the soils contaminated by effluents from metal processing industries. In: ***50th International Conference of Association of Microbiologists of India***, held at National Chemical Laboratory, Pune, M.S., India between December 16-18th 2009.
- Impact of immobilized *Aspergillus niger* on accumulation of Cr (VI) at ***52nd International Conference of Association of Microbiologists of India*** on November 3rd to 6th at Chandigarh, India.

13. Ph .D Guide:

- Recognized as Ph. D guide in Microbiology of Dr. Babasaheb Ambedkar Maratwada University, Aurangabad.
- Two students are working for their Ph.D work
- Guided one student in the capacity of Co-Guide

❖ Research Students :

Sr. No	Registration Year	Name of Student	Research Topic
1	2021	Shruti .B. Mhaske	Bacterial Pigment Production, Its Optimization and Application
2	2021	Suparna Charobarty	In Vitro antimicrobial activity of some medicinal plant extract against human pathogenic bacteria

Programme by UGC 2008-2010.

14. CO-CURRICULAR, EXTENSION AND PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES:

I. EXAMINATION DUTIES :

- a) Examiner for B.Sc Practical exams
- b) Worked as Paper setter for B. sc. Microbiology
- c) Worked as theory paper evaluator
- d) Worked as examiner for M. Sc practical exams
- e) Worked as Senior supervisor for B.ed CET

II. HONORS :

- a) Recipient of Droncharya- Aadarsha shishak puraskar by Lions club of Aurangabad.'2001-2002

III. CONTRIBUTION TO CORPORATE LIFE :

1. NCERT approved examiner for science exhibitions. Innovation in science pursued for inspire research amongst school children central Govt. of India started a project "Inspire awards" worked as an examiner for science exhibition at state level on 23rd - 25th July 2011 and 2013.

2. Worked as concept writer and honorary editor of Marathi "Vishkosh on Science and Technology."

3. Worked as educational information expert for creating open educational information expert for creating website produced by Government of Maharashtra Open educational resources, website funded by Rajiv Gandhi Science and technology for 3 years 2009, 2010, 2011.

4. Attended a 3 days training programme as a communicator for "Jignyasa"- 1999.

5. Guided students on moral education, health, de-addiction from 1999-2002.

6. Guided students for various state, national and district level science exhibition for the schools like Gujarathi girls high school (1996), Bal dyan mandir (2003), Nath valley.

7. Articles published in Newspapers

IV. MEMBERSHIP OF ASSOCIATIONS :

- Life member and organizing committee of Marathi Vidyan Parishad, Aurangabad
- Life member of Association of Microbiologists of India

- Life member of Microbiologists society

15. Administrative experience :

- Since October 2017 working as Principal (Incharge)
- Since February 2010 worked as head of Microbiology department
- Worked as an Incharge for Admission committee
- Since 2010 working as academic staff council secretary
- Worked in the capacity of Incharge of Writ off committee
- Incharge of Alumni committee
- Incharge Purchase committee
- Worked as an Incharge Principle as and when required by college
- Incharge of Science forum
- Incharge of Academic Calender committee
- Chief editor for college annual Navras since last 5 years

16. OTHER INFORMATION :

- Invited as coach to guide NET/SET for 11th plan of UGC at Govt, Institute of science.
- Worked as organizing committee member for iInternational conference on BTBT-2011.
- Invited as chief guest for science day celebration at Maharshree Vidyalay on 25th Feb.2012
- Invited as an examiner for Annual Science eexhibhition at Sant Gadgebaba educational Pratishtan on 17th Feb2012.
- Invited as a resource person to deliver a lecture at Nath valley schoolon 28th feb. 2008 for national science day celebration.
- Invited as resource person for UGC sponsored state level workshop on Frontiers in health and hygine awareness by Elphinston collage on 2nd and 3rd December 2014
- Received teacher fellowship to complete research work under Faculty improvement
- Nominated as State Government nominee on the Governing body of Annasaheb G. D. Bendale Mahila Mahavidyalay, Jalgaon from 10th Novemeber 2023 for 5 years

