

Dr. Poonam S. Deshpande, M.Sc., Ph.D

Present position

- Assistant Professor, Department of Chemistry (Biochemistry Division), Fergusson College (Autonomous), Pune.
- Assistant Coordinator, Internal Quality Assurance Cell (IQAC)

Contact Details



020-67656443



poonam.deshpande@fergusson.edu



<https://www.linkedin.com/in/dr-poonam-deshpande-a8176022/>

<https://scholar.google.com/citations?hl=en&authuser=1&user=wbwOTecAAAAJ>

Work Experience

Total =17 years

Teaching: 8 years (2014 till date)

Research: 9 years (2002 till 2011)

Personal Profile

Dedicated and earnest person with over nine years of research experience followed by eight years of teaching experience as an Assistant Professor in the Biochemistry Division, Department of Chemistry, Fergusson College (Autonomous), Pune.

Gained immense experience in handling projects based on molecular and immunological diagnostics, animal cell culture and biochemical analysis while working as ICMR-JRF and SRF for Ph.D. and postdoctoral fellow at Institute of Molecular Medicine, USM, Penang, Malaysia.

Proficient in writing research proposals, guiding postgraduate students for their dissertation/project work, managing administrative positions at research lab, and successfully handling diverse teams with compassion and emphatic leadership.

Adept in teaching various subjects of Biochemistry major being Molecular Biology, Genetics, Genetic Engineering and Biophysical Techniques along with lab courses. Enjoy working with students to successfully prepare them for personal and professional success in today's world. Apart from teaching, actively involved in various quality initiatives at college as a member of Academic Council, Feedback team, Mentoring team, college OBE coordinator, NIRF team, AQAR team, NAAC-SSR preparation team and part of other Internal Quality Assurance Cell (IQAC) activities.

In the capacity as the Assistant Coordinator of IQAC, implemented 'Outcome Based Education' (OBE) model in Fergusson College in 2020 with the help of competent OBE team members and coordinators. Like to work in team, lead team and motivates them for successful outcome with a positive mind set.

Passionate about research and has published 26 Research papers in National and international journals, presented research paper in various national and international conferences, awarded with travel fellowship

and organized many workshops and conferences also. Successfully worked as principal investigator and co-investigator in many research projects and guided postgraduate students for their project work. Strongly interested in research in the field of molecular and immunology diagnostics, recombinant protein production, herbal medicines and allied applied research.

A committed faculty member, passionate about working to further enhance the educational offerings of an institution and take up new challenges for quality initiatives.

Course Taught

- Genetics
- Molecular Biology
- Genetic Engineering
- Biophysical Techniques

Field of Specialization/Areas of Interests

- Molecular and Immunological Diagnostics
- Recombinant protein production
- Animal Cell Culture
- Herbal medicines

Education

- **Professional Diploma in Clinical Research:** 2012
Catalyst Clinical Services, New Delhi
- **Post-doctoral Research Fellow:** 2010-2011
Dr. Rahmah Noordin,
Institute for Research in Molecular Medicine (INFORMM),
Universiti Sains Malaysia, 11800 Penang, Malaysia
Project: Development of Recombinant proteins and DNA based methods for diagnosis of Toxoplasmosis
- **Ph.D – Biochemistry :** 2002 -2007
Topic :“Effect of certain herbal drugs on immunomodulation”
Thesis Advisor : Dr. H.F.Daginawala
Central India Institute of Medical Sciences, Nagpur University, Nagpur (Maharashtra.), India
- **Master of Science- Biochemistry :** 2002
Post Graduate Teaching Department, Nagpur University, Nagpur (Maharashtra.), India
(1st Merit holder in University)
- **Bachelor of Science- Major Biochemistry:** 2000
St. Francis de Sales College, Nagpur University, Nagpur (Maharashtra), India
- **HSSC (Higher Secondary School Certificate):**1997
Central Board of Secondary Education, Dehradun (Uttaranchal), India
- **SSC (Secondary School Certificate):** 1995

Fellowship/Awards/ Certifications/Achievements

- **MH-SET (State Eligibility Test) 2018**
- **Junior Research Fellowship, Indian Council of Medical Research (ICMR), India (2002-04)**
- **Senior Research Fellowship, Indian Council of Medical Research (ICMR), India (2004-06).**
- **Two Gold medals** for 1st merit in Nagpur University in M.Sc Biochemistry examination (2002)
- **Research Fellowship** by CIIMS, Nagpur, India (8/2002-9/2002)
- **Travel fellowship Award** for presenting Research work at SMS Medical College, Jaipur by Indian Pharmacology Society, India (2006)
- **Postdoctoral Research fellowship:** 2010-2011, INFORMM, Universiti Sains Malaysia, Penang, Malaysia
- **26 Research papers** till date
- **IQAC team member and NAAC committee member**
- Initiated and **Implemented Outcome Based Education (OBE)** for UG and PG courses in college
- Participated in **NIRF** and **AQAR** : compilation and filling the information
- Departmental Placement Coordinator from 2014- till 2020
- Member of College Teaching Learning Feedback Team
- Member of College Mentoring Team
- Mentored students for M.Sc. Projects
- Coordinated International, National level Conferences
- Organized Workshops and Seminars

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
<ul style="list-style-type: none"> • NAAC IIIrd cycle committee • NAAC IVth cycle committee 	<ul style="list-style-type: none"> • Life member of Society of Neurological Chemists (I) Life Membership Number –LM-I-251 	Paper setter and Examiner for M.Sc. Biochemistry at affiliated colleges of Savitribai Phule Pune University, Pune
<ul style="list-style-type: none"> • IQAC -NIRF, AQAR, Criterion I - VII 		
<ul style="list-style-type: none"> • Academic Council 	<ul style="list-style-type: none"> • Member of Society of Biological Chemists (SBC) 	External examiner for End semester practical examinations for M.Sc. Biochemistry at affiliated colleges of Savitribai Phule Pune University, Pune
<ul style="list-style-type: none"> • College OBE coordinator 		
<ul style="list-style-type: none"> • Mentoring Team 		
<ul style="list-style-type: none"> • Feedback Team 		
<ul style="list-style-type: none"> • BoS member, PG Biochemistry 		

Employment History

1) Organization : INFORMM, USM, Penang, Malaysia

Role : Post-doctoral fellow

Duration : February 2010- Feb 2011.

Responsibilities	<ul style="list-style-type: none"> • Expression and purification of recombinant <i>Toxoplasma gondi</i> proteins. • Evaluation of recombinant proteins in efficient diagnosis of acute and chronic stage of toxoplasmosis. • Development of new diagnostic protocols for <i>Toxoplasmosis</i> using recombinant antigens. • Assisting in Project writing and supervising PG and Ph.D students in their projects.
-------------------------	--

2) Organization : Central India Institute of Medical Sciences (CIIMS) , Nagpur

Role : Research Scientist/Associate

Duration : October 2006-December 2009

Principle Investigator of In-house Projects : <u>06</u>	<ul style="list-style-type: none"> • Effect of certain herbal drugs on Immunomodulation. • Effect of herbal drugs on cytokine expression in human peripheral blood lymphocytes • Evaluation of Polymerase Chain Reaction for Diagnosis of Tuberculosis meningitis • Identification & Characterization of Neuroprotective Proteins over expressed in In vitro Model of Ischemia. • Optimization of PCR assay for detection of DNA fragment from Antigen85 gene of <i>Mycobacterium</i> species in clinical samples. • Evaluation of IS6110 PCR assay for amplification of <i>M.tuberculosis</i> DNA from peripheral blood
Co-investigator of Projects : <u>02</u>	<ul style="list-style-type: none"> • Heterologous prime-boost immunization approach using a Ag 85 complex and BCG in PBMC model to improve the efficacy of vaccine against TB. • Development of efficient multiplex PCR for detection and differentiation of • <i>M.tuberculosis</i>, <i>M.avium</i> complex and other <i>Mycobacterium</i> species from clinical samples.
Responsibilities	<ul style="list-style-type: none"> • Handling Molecular Biology laboratory. • Responsible for Molecular Diagnostic services offered by the institute. • Development of diagnostic assays for <i>M.tuberculosis</i> and Herpes Simplex Virus 1/2 by Real-time qPCR. • To find out the clinical isolate of <i>M.tuberculosis</i> and herpes simplex virus • Writing new project proposals for funding by Department of Science & Technology and Department of Biotechnology. • Supervising QC and proper implementation of GLP in lab.

	<ul style="list-style-type: none"> • Interacting with intuitional purchase committee, dealers and distributors regarding major instrument purchase. • Responsible for conducting interviews and appointment of new research fellows. • Conducting summer trainings/ workshops, seminars and conferences. Teaching training delegates- principles and methods of animal cell culture, immunological assays, molecular biology and proteomics.
--	---

3) Role : Ph.D/Junior and Senior Research Fellow – Indian Council of Medical Research
Organization : Central India Institute of Medical Sciences
Duration : September 2002 – October 2006

Project	“Effect of Herbal Drug on Immunomodulation”
Responsibilities	<ul style="list-style-type: none"> • Screening the herbal extracts for their immunomodulatory property by doing in-vitro experiments for Ph.D work • Communication with national and International scientists working on similar fields for discussing the protocols and research work. • Compilation of Research committee meetings and work presentations. • Guiding postgraduate students for their dissertation work right from project designing to the preparation of thesis. • Was responsible for maintaining the laboratory inventory.
Domains	<p>Tissue Culture:</p> <ul style="list-style-type: none"> • Isolation of peripheral blood mononuclear cells from human blood and culture them as per the experimental requirements. • Preparation of cell culture media and reagents. • Cultured and maintained various animal cell lines like Jurkat cell THP-1 monocytes, IMR-32 neuroblastoma cells, PC-12 cells which were used for further studies. <p>Biochemistry: Glucose estimation, protein estimation, enzymes estimation in clinical samples and cultured cells, DNA and RNA estimation by spectroscopy.</p> <p>Immunology: Estimation of IgG secreted by cultured cells, estimation of various Interleukins in cell culture supernatant by ELISA assay, dot blot analysis for qualitative analysis of antibody secreted by cells, estimation of tuberculosis antigens in CSF samples.</p> <p>Microbiology: Checked contaminants bacteria in tissue culture media and the lab environment.</p> <p>Molecular Biology: Isolation of RNA from cultured mononuclear cells, Reverse transcriptase PCR, development of primers and probes for PCR and dot-hybridization techniques, PCR, gel elution. Amplification of Interleukins specific gene targets using</p> <p>Culture : maintenance of cell lines as described above.</p> <p>Biochemical techniques : Glucose, protein, enzymes estimation, RBC, WBC, platelet counting by autoanalyzer.</p> <p>Immunology: ELISA, dot blot, Purification of IgG from clinical samples, Western blot.</p> <p>Molecular Biology: PCR, RT PCR</p>

Research Projects

Title of the Project	Name of Funding Agency	Duration (Year)	Type (Minor/Major)	Status (Completed/ongoing)
1. Development of PCR assay for Diagnosis of Tuberculosis Meningitis (TBM)	Central India Institute of Medical Sciences (In-house), Nagpur	01	Minor	Completed
2. Evaluation of <i>IS6110</i> PCR assay for amplification of <i>M.tuberculosis</i> DNA from peripheral blood cells.	Central India Institute of Medical Sciences (In-house), Nagpur	01	Minor	Completed
3. Heterologous prime-boost immunization approach using a Ag85 complex and BCG in PBMC model to improve the efficacy of vaccine against TB	Central India Institute of Medical Sciences (In-house), Nagpur	01	Minor	Completed
4. Screening of various medicinal plant for their Antibacterial, Antimicrobial and DNA damage protection activity	UGC - CPE, Fergusson College (Autonomous)	01	Minor	Completed
5. Effect of Hustle Culture and Sleep on Quality of Sleep	Fergusson College (Autonomous): SEED Money Proposal	0.5	Minor	Ongoing
6. Evaluation of medicinal uses of plant <i>Tridax procumbens</i>	Fergusson College (Autonomous): SEED Money Proposal	0.5	Minor	Ongoing
7. Web Portal for Social Outreach Activity Management	Fergusson College (Autonomous): SEED Money Proposal	0.5	Minor	Ongoing

Research Publications in National and International Journals = 26

Citations = 667

h-index =13

i10-index =14

<https://scholar.google.com/citations?hl=en&authuser=1&user=wbwOTecAAAAJ>

1. **Poonam S. Deshpande**, Irene E. Abraham, Anjali Pitamberwale and Radhika H. Dhote. Review of Clinical Performance of Serology Bases Commercial Diagnostic Assays for Detection of Severe Acute Respiratory Syndrome Coronavirus 2 Antibodies. *Viral Immunology*, Vol. 35; No. 2, 2022, Pp. 82-111, doi.org/10.1089/vim.2020.0313

2. **Poonam S. Deshpande**, Dupadahalli Kotresha, Rahmah Noordin et al. IgG avidity Western blot using *Toxoplasma gondii* rGRA-7 cloned from nucleotides 39-711 for serodiagnosis of acute toxoplasmosis. *Revista do Instituto de Medicina Tropical de Sao Paulo*, April, 2013, 55 (2): 79-83.

3. **Poonam S. Deshpande**, Dupadahalli Kotresha, Rahmah, Noordin, Muhammad Hafiznur Yunus, Geita Saadatnia, Majid Golkar, Sabariah Osman, Izzati Zahidah Abdul Karim and Fatemeh Ghaffarifar. IgG avidity Western blot using *Toxoplasma gondii* rGRA-7 cloned from nucleotides 39-711 for serodiagnosis of acute toxoplasmosis. *Revista do Instituto de Medicina Tropical de São Paulo*, 55(2): 79-83, arch-April, 2013.

4. Kotresh D., **Poonam S. Deshpande** et al. Recombinant proteins from new constructs of SAG1, GRA1 and GRA7 sequences and their usefulness to detect acute toxoplasmosis. *Tropical Biomedicine*, 29(1): 129-137, 2012.

5. Khushboo J. Nagdev, Rajpal S. Kashyap, **Poonam S. Deshpande**, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Dagainawala. "Determination of PCR efficiency for diagnosis of tuberculous meningitis in Chelex-100 extracted DNA samples". *International Journal of Tuberculosis and Lung Diseases*, 2010.

6. Rajpal Singh Kashyap, Aliabbas A Husain , Shweta H Morey , Milind S. Panchbhai, **Poonam S Deshpande**, Hemant J Purohit, Girdhar M Taori, Hatim F Dagainwala. Assessment of immune response to repeat stimulation with BCG vaccine using invitro PBMC model. *Journal of Immune based Therapies and Vaccine*, 2010, 8:3.

7. Khushboo J. Nagdev, Rajpal S. Kashyap, **Poonam S. Deshpande**, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Dagainawala. Comparative evaluation of a PCR assay with an in-house ELISA method for diagnosis of Tuberculous meningitis. *Medical Science Monitor*, 2010, 16(6):289-295.

8. Rajpal Singh Kashyap, Shweta H Morey , Sonali S Ramteke, , Nitin H Chandak, Manmohan Parida, **Poonam S Deshpande**, Hemant J Purohit, Girdhar M Taori, Hatim F Dagainwala. Diagnosis of Chikungunya fever in an Indian population with an indirect ELISA protocol based on an antigen detection assay: A prospective cohort study. *Clinical and Vaccine Immunology*, 2010, 17(2):291-297.

9. Rajpal S. Kashyap, **Poonam S. Deshpande**, Sonali R. Ramteke, Milind S. Panchbhai, Hemant J. Purohit, Girdhar M. Taori, Hatim F. Dagainawala. Changes in cerebrospinal fluid cytokine expression in Tuberculous Meningitis patients with treatment. *Journal of Neuroimmunomodulation*, 2010, 17(5):333-9.

10. Rajpal S Kashyap, Sonali M Saha, Hari M Gaherwar, **Poonam S Deshpande**, Hemant J Purohit, Girdhar M Taori and Hatim F Dagainawala. Evaluation of BioFM liquid medium for culture of cerebrospinal fluid in tuberculous meningitis to identify Mycobacterium tuberculosis. *Indian Journal of Medical Microbiology*, 2010, 28(4):366-369.

11. Kashyap R.S., Nayak A.R., **Deshpande, P.S.**, Kabra D., Purohit, H.J., Taori G.M., Dagainawala, H.F. Inter- α -trypsin inhibitor heavy chain 4 is a novel marker of acute ischemic stroke. *Clinica Chemica Acta* 2009; 402:160-

12. Nagdev,K.N., **Deshpande, P.S.**, Kashyap,R.S., Purohit, H.J., Taori G.M., Dagainawala, H.F. Evaluation of nested PCR along with other laboratory techniques for the diagnosis of pleural tuberculosis. *Inter. J Integrat. Biol.* 2008; 4(1): 28.
13. Rajpal S. Kashyap, **Rani P. Kainthla**, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Dagainawala. Tuberculous Meningitis in Patients Without Systemic Focus of Miliary Tuberculosis. *American-Eurasian Journal of Scientific Research* 2 (1): 33-38, 2007. ISSN 1818-6785
14. **Deshpande,P.S.**, Kashyap,R.S., Nagdev,K.N., Ramteke,S.S., Purohit,H.J., Taori,G.M., Dagainawala,H.F,. Evaluation of the IS6110 PCR assay for the rapid diagnosis of tuberculous meningitis. *BMC Cerebrospinal Res.* 2007 Nov 2, 4(1):10.
15. Kashyap,R.S., Ramteke,S.P., **Deshpande, P.S.**, Purohit, H.J., Taori G.M., Dagainawala, H.F. Comparison of an adenosine deaminase assay with ELISA for the diagnosis of tuberculous meningitis infection. *Med Sci Monit.* 2007 Sep;13(9):BR200-204.
16. Kashyap,R.S., **Deshpande,P.S**, Nayak,A.R., Purohit,H.J., Deopujari,,J.Y., Taori,G.M., Dagainawala, H.F Adenosine deaminase activity in the supernatant of monocytes infected with *Mycobacterium tuberculosis*. *Inter. J Integrat. Biol.* 2007; 1 (2), pp.61-64.
17. **Kainthla,R.P***, Kashyap,R.S., Prasad,S., Purohit,H.J., Taori,G.M., Dagainawala,H.F,. Evaluation of Adenosine deaminase assay for analyzing T-lymphocytes density *in vitro*. *In Vitro Cell Dev Biol Anim.* 2006 Nov-Dec;42(10):287-9.
18. Kashyap,R.S., **Kainthla,R.P***, Satpute, R.M., Agarwal, N.P., Chandak, N.H, Purohit,H.J., Deopujari,J.Y., Taori,G.M., and Dagainawala,H.F,. Differential Diagnosis of Tuberculous Meningitis from partially treated cases of pyogenic meningitis by Cell ELISA. *BMC Neurology* 2004, 4:16.
19. RS Kashyap, A Nayak, **P Deshpande**, HJ Purohit, GM Taori, HF Dagainawala Identification and characterization of protein marker (s) for diagnosis and prognosis of acute Ischemic stroke patients. *Neuroscience Research*; 2007, volume 58, Supplement 1,pp S240, doi : 10.1016/j.neures.2007.06.584
20. Amit R. Nayak, Rajpal S. Kashyap, **Poonam S. Deshpande**, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Dagainawala. Identification of Protein (S) in Ischemia Induced PC12 Cells after Induction with Conditioned Media of IMR-32 and U87mg Cells. *Advances in Biological Research* 1 (3-4): 118-121, 2007
21. **Kainthla,R.P***, Kashyap,R.S., Purohit,H.J., Deopujari,J.Y., Taori,G.M.,Dagainawala,H.F,. Study of interaction between cyclosporin A and herbal extracts on *in vitro* cultured human T-cells. *J Cell & Tissue Res*; 2007 7(1): 877-880.
22. **Kainthla,R.P***,Kashyap,R.S.,Purohit,H.J.,Deopujari,J.Y.,Taori,G.M.,Dagainawala,H.F,. Effect of Hemidesmus indicus (Anantmoool) extract on IgG production and ADA activity of human peripheral blood lymphocytes in vitro.*Ind.J Pharmacol.* June-August, 2006, Issue 3, pp 190-193.

23. Satpute, R.M., Kashyap, R.S., **Kainthla, R.P***, Purohit, H.J., Taori, G.M., Dagainawala, H.F., Secretory factor of human neuroblastoma (IMR-32) and human glioblastoma (U87MG) cell lines induce neurite outgrowths in PC-12 cells. *Ind. J. Expt. Biol.*; May 2006 ;367-370.
24. Kashyap, R.S., **Kainthla, R.P***, Mudaliar, A.V., Purohit, H.J., Taori, G.M., and Dagainawala, H.F. Adenosine deaminase :A complimentary tool in the early diagnosis of Tuberculous meningitis. *BMC Cerebrospinal Fluid Research*, May 2006.
25. Kashyap, R.S., **Kainthla, R.P***, Satpute, R., Purohit, H.J., Chandak, N., Taori, G.M. and Dagainawala, H.F. Demonstration of IgG antibodies to 30 Kd protein antigen in CSF for diagnosis of TBM by antibody capturing ELISA. *Neurology India* 2004;52(3);359-362.
26. Kashyap, R.S., **Kainthla, R.P***, Saibal K. Biswas, Agarwal, N.P., Chandak, N.H, Purohit, H.J., Deopujari, J.Y., Taori, G.M., and Dagainawala, H.F., Rapid diagnosis of tuberculous meningitis using the Simple Dot ELISA method. *Med. Sci. Monit* 2003; 9(11): MT123-126.

*Previous name

Participation in Conferences/Seminars/Symposia/Workshop :

1. Sonali M Bhansode, Gaurav V Naik, **Poonam S Deshpande**. Screening of *Semecarpus anacardium* extracts for assessing antioxidant, anti-arthritis and DNA damage protection activity, Regional Research Conference “**Innovation- 2015**”, **DES Fergusson College, Pune, June 2015**
2. Khushboo J. Nagdev, Rajpal S. Kashyap, **Poonam S. Deshpande**, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Dagainawala. Evaluation of One-step Chelex-100 resin based DNA extraction protocol for PCR based diagnosis of Tuberculosis meningitis. **78th Annual Meeting Society of Biological Chemists (India), Pune. October 30- November 1, 2009.**
3. Khushboo J. Nagdev, Rajpal S. Kashyap, **Poonam S. Deshpande**, Hemant J. Purohit, Girdhar M. Taori, Hatim F. Dagainawala. Clinical Utility of Polymerase Chain Reaction as a diagnostic test for detection of Mycobacterium tuberculosis in different clinical specimens. **64th National Conference on Tuberculosis and Chest Diseases, Kolkatta, December 27- December 29, 2009**
4. Khushboo J. Nagdev, **P. S. Deshpande**, R. S. Kashyap, H. J. Purohit, G. M. Taori and H. F. Dagainawala. Evaluation of in house developed PCR and comparison with different assays for the diagnosis of Tuberculous meningitis. **76th annual meeting, Society of Biological Chemists (India), Tirupati, November, 2007.**
5. Khushboo J. Nagdev, **P. S. Deshpande**, R. S. Kashyap, H. J. Purohit, G. M. Taori and H. F. Dagainawala. A comparative evaluation of different assays for the diagnosis of Tuberculous

meningitis. “**Biochem -07 National Conference on currents trends in Biochemistry, Nagpur, December 2007**”.

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1.	A 30-hour course on ‘Introduction to Bioinformatics, Bioanalytical Techniques, Pharmacology and Clinical Research’	Dept. of Chemistry (Biochemistry Division), Fergusson College (Autonomous)	Organizer	27 th July 2022 – 4 th August 2022
2.	One day faculty development workshop on ‘Interrelationship of Pedagogy, Assessments and Learning Outcomes’	Internal Quality Assurance Cell (IQAC), Fergusson College (Autonomous), Pune	Organizer	23 rd May, 2022
3.	Workshop on ‘NET-SET Preparation for Life Sciences Students’	Department of Chemistry (Biochemistry) and Department of Botany, Fergusson College (Autonomous), Pune in collaboration with Institute for Advanced Studies (IFAS), Pune	Organizer	12 th March, 2022
4.	Webinar on ‘Backward Designing (Implementing Learning Outcome Based Framework)’	Internal Quality Assurance Cell (IQAC), Fergusson College (Autonomous), Pune	Organizer	26 th November, 2021
5.	One day faculty development workshop on ‘Outcome based Education (OBE)’	Internal Quality Assurance Cell (IQAC), Fergusson College (Autonomous), Pune	Organizer	25 th September, 2021
6.	Guest lecture on ‘recent Trends in genetic Engineering’ by Dr. Nishant Vyas, Director Technical, MannarTechsol LLP,	Department of Chemistry, Biochemistry Division, Fergusson College (Autonomous), Pune	Organizer	1 st February, 2020

	Pune			
7.	National conference on “Advances in Chemical Sciences with special reference to Molecular Spectroscopy, Material Science and Organic Electronics” NCACS-2014	Department of Chemistry, Biochemistry Division, Fergusson College (Autonomous), Pune	Member of Coordinating Team	19 th -20 th December 2014
8.	National Level “3 weeks workshop on Immunological, Molecular Biology and Animal cell culture techniques”	Central India Institute of Medical Sciences	Programme-Coordinator	4 th – 24 th December, 2008
9.	International Symposium on “CNS Infection”	Central India Institute of Medical Sciences	Programme-Coordinator	7 th – 8 th February 2009

Additional skills

Organizational skills and competences:

- Actively involved in organizing guest lectures and student’s academic activities in the department along with placement activities.
- Presently involved in planning and implementing ‘Outcome Based Education’ module in the college and monitoring and executing mentoring process.
- Handling responsibilities of Internal Quality Assurance Cell of college in capacity of Assistant IQAC Coordinator and involved in initiating various quality initiatives across all domains in college including feedback, mentoring, teaching plans, enhancing teaching-learning processes, introducing value added courses, organizing workshops, initiating collaborations and MoUs etc.
- Involved in preparing and submitting National Institutional Ranking Framework (NIRF) report and Annual Quality Assurance Reports(AQAR)
- As researcher at the Central India Institute of Medical Sciences, I was involved in organizing various presentations and meetings and organized national and International Symposium during Silver Jubilee celebrations.
- Good skills in coordinating groups of work, by teaching lab activities and supervise postgraduate work.
- Coordination and administration of research projects and the budgets involved.

I hereby declare that the above information is true to the best of my knowledge.

Dr. Poonam S. Deshpande