

Curriculum Vitae

1. Personal Details

Name in Full:

Dr. Deepti N. Kurhe

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Address for Correspondence:

RS No 15/4, Hissa No 2, Plot No 8,
Near Swami Samarth Colony,
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Kolhapur - 416013.

Permanent Address:

Same as above

Education:

M.Sc., Ph.D. (Biochemistry)

URLs:

https://www.researchgate.net/profile/Deepti_Kurhe

<https://scholar.google.co.in/citations?hl=en&user=eh1srJoAAAAJ>

2. Academic Details:

Examination	University/Board	Month & Year of Passing	Principle Subject
S.S.C.	Pune Board	March 1998	All subject
H.S.C.	Pune Board	Feb 2000	PCMB group
Bachelor's Degree (B.Sc.)	University of Pune	June 2003	Zoology
Master's Degree (M.Sc.)	Shivaji University	May 2006	Biochemistry
Ph.D.*	Shivaji University	June 2011	Biochemistry

*Title of Ph.D. Thesis: "Thermodynamic Studies of Energetics for Amino Acids and Insulin in Aqueous and Perturbed Aqueous Solutions"

3. Teaching Experience

Sr. No.	Designation & Appointment Nature	Period (From-To)	Name of Institute
1	ASST. PROFESSOR (CHB)	1/Jun/2014 to 2/Feb/2015	Department of Biotechnology Shivaji University, Kolhapur
2	ASST. PROFESSOR (Temporary)	3/Feb/2015 to 31/Jul/2015	School of Nanoscience and Technology Shivaji University, Kolhapur
3	ASST. PROFESSOR (CHB)	1/Aug/2015 to 31/Aug/2015	School of Nanoscience and Technology Shivaji University, Kolhapur
4	ASST. PROFESSOR (temporary)	1/Sep/2015 to 14/May/2016	School of Nanoscience and Technology Shivaji University, Kolhapur
5	ASST. PROFESSOR (temporary)	1/Jul/2016 to 20/May/2017	School of Nanoscience and Technology Shivaji University, Kolhapur
6	ASST. PROFESSOR (CHB)	1/Jul/2017 to 15/Aug/2017	School of Nanoscience and Technology Shivaji University, Kolhapur
7	ASST. PROFESSOR (temporary)	15/Aug/2017 To 24/May/2018	School of Nanoscience and Technology Shivaji University, Kolhapur
8	Postdoctoral fellow	10/Jan/2022 To 7/Sep//2022	Department of Biochemistry Shivaji University, Kolhapur
9	ASST. PROFESSOR (Contributory)	10/Sep/20022 To 30/Jan/2023	Department of Biotechnology Shivaji University, Kolhapur
10	ASST. PROFESSOR (temporary)	11/Feb/2023 Till today	Department of Biotechnology Shivaji University, Kolhapur

4. Research Publications

- National: Nil
- International: 4

Details of Research Publications

1. **Deepti N. Kurhe**, Dilip H. Dagade, Jyoti P. Jadhav, Sanjay P. Govindwar, and Kesharsingh J. Patil, "Studies of Enthalpy-Entropy Compensation, Partial Entropies,

- and Kirkwood-Buff Integrals for Aqueous Solutions of Glycine, L-Leucine, and Glycylglycine at 298.15 K" *The Journal of Physical Chemistry B*, Volume 113, Issue 52, **2009**, Pages 16612-16621.
2. **Deepti N. Kurhe**, Dilip H. Dagade, Jyoti P. Jadhav, Sanjay P. Govindwar, and Kesharsingh J. Patil, "Thermodynamic studies of amino acid-de, naturant interactions in aqueous solutions at 298.15 K" *Journal of Solution Chemistry*, Volume 40, Issue 09, **2011**, Pages 1596-1617.
 3. V. L. Patil, S. A. Vanalakar, S. A. Vhanalakar, A. S. Kamble, T. D. Dongale, **D. N. Kurhe**, P. P. Kamble, S. P. Patil, S. S. Shendage, P. S. Patil, J. H. Kim, "Chemically synthesized hierarchical flower like ZnO microstructures" *Zeitschrift für Physikalische Chemie*, Volume 233, Issue 8, **2019**, Pages 1183-1200.
 4. R. J. Gavhane, K. R. Madkar, **D. N. Kurhe**, D. H. Dagade, "Room temperature ionic liquids from purine and pyrimidine nucleobases" *ChemistrySelect*, Volume 4, Issue 19, **2019**, Pages 5823-5827
 5. D. N. Kurhe, D. H. Dagade, J. P. Jadhav, V. R. Shaikh, K. J. Patil, "Thermodynamic Studies of Aqueous Binary and Ternary Solutions Involving Lysozyme and Urea at 298.15 K" *J. Chem. Eng. Data*, **67**, **2022** Pages 2355–2366
 6. G. S. Kumbhar, a Shubham V. Patil,‡ a Prashant D. Sarvalkar,a Apurva S. Vadanagekar,a Omkar S. Karvekar, S. S. Patil, M. R. Rane, K. K. Sharma, D. N. Kurhe, N. R. Prasad, "Synthesis of a Ag/rGO nanocomposite using Bos taurus indicus urine for nitroarene reduction and biological activity" *RSC Advances* **12**, **2022** pages 35598–35612

5. Papers Presented in Conferences

1. **D. N. Kurhe**, D. H. Dagade, J. P. Jadhav, S. P. Govindwar and K. J. Patil "Thermodynamic Studies of Protein-Solvent and Protein-Protein Interactions for Lysozyme in Aqueous and Perturbed Aqueous Solutions at 298.15 K" *3rd National Conference on Thermodynamics of Chemical and Biological Systems (NCTCBS-2008)*;16th and 17th October, Nagpur, organized by **The Indian Thermodynamic Society**
2. **D.N. Kurhe** and J.P. Jadhav, "Transfer Gibbs free energy study illustrates that lysozyme aggregates interacts more favorably with urea",International Conference on *Challenges and Opportunities before 21st Century India in the Field of Social Sciences, Science, Management and Technology*, 6th and 7th Feb 2016 organized by **RajarshiChhatrapatiShahu College, Kolhapur (MS), India.**
3. **D.N. Kurhe**, PratapChaugale, Vishal Chavan "**Biological Synthesis, Characterization and Antimicrobial Activities of Zinc Oxide**

Nanoparticles" 3rd international conference on Innovative Research in Science and Technology (ICIRST-2017) organized by ShikshanPrasarak Mandal's **Gopal Krishna Gokhale College, Kolhapur, (MS), India**

6. Honors / Rewards

- **Worked as an Expert for Evaluation DST-SERB Project Proposals**
- **2nd Prize for oral presentation at International Conference on *Challenges and Opportunities before 21st Century India in the Field of Social Sciences, Science, Management and Technology*, 6th and 7th Feb 2016** organized by Rajarshi Chhatrapati Shahu College, Kolhapur (MS), India.

7. Any other academic contribution

- **Participated in workshop** under DBT-IPLS Program on "**Use of DNA Barcoding Technique for Species Identification**" organized by **Department of Biotechnology, Shivaji University, Kolhapur on August 16-18, 2013.**
- Member of departmental Woman's cell
- Member of web site Committee.
- Guardian teacher and mentor
- Member of Purchase Committee.
- Paper setter for theory and practical examinations of B.Sc. I (Sem-II) and B.Sc. II (Sem-III)
- Project guide for M. Sc. II students.
- Participated in One Day Workshop on RGST on 6th May 2017 held by Shivaji University, Kolhapur
- Participated in One Day Workshop on subject scientific writing on 30th January 2018 held by Shivaji university, Kolhapur
- Participated in two Day Workshop on Two Days Workshop on "Solutions from Nanomaterial Synthesis to Characterization" by Anton Paar at School of Nanoscience and Technology, SUK on 26th March and 27th March 2018.
- Participated in One Day Workshop on "Advanced tools in Cellular Analysis and Analytical Technology" by Thermo Fisher at School of Nanoscience and Technology, SUK on 6th April 2018.