

**Individual profile of Prof. Anjali Sudhir Puranik ( HOD Chemistry)**

**University of Mumbai  
Sudhagad Education Society's Sheth J.N. Paliwala Commerce College,  
Science and Arts College, Pali Sudhagad**



**Name: Mrs. Anjali Sudhir Puranik**

**Educational Qualification: M.Sc. SET. Ph.D.**

**Designation: Professor in Analytical Chemistry**

**Teaching Experience: 29 years**

- + Member, Board of Directors, Department of Student Development, University of Mumbai,**
- + Founder president of the “Bhagirath Educational Institute” which had run “Certificate Course in Analytical Chemistry” at a marginal fee of Rs.1,000/-per student for five years.**

**❖ Area of Research: Air Pollution and water pollution  
Total research papers published = 10 and one book chapter**

**Awards Received:**

1. Smt. Savitribai Fule Ideal Teacher Award from University of Mumbai
2. Gold Medal in the “Aavishkar” held in Gondwana University, Gadchiroli in the year 2018–19
3. The best research paper award for research presented in Israel in an international conference organized by IBEARD.

**About Research:**

**“A Green Approach to Clean Industrial Emissions”**

Industrial pollution includes dust particles, green house gases and acidic gases. In most of the industries, the dust particles are removed and acidic gases are partially trapped but green house gases and some acidic gases are released in the atmosphere in large scale. This adds to global warming and acid precipitation.

My research aims at stopping the green house gases and the acidic gases at source. A novel mixture of natural salts is prepared for this purpose. When the emissions are passed through the novel mixture, the pollutant gases are trapped by the process of adsorption.

For this research, prototype of the industrial plant is commissioned at own residence. The plant includes furnace, cyclone separator, bag-house filter, water scrubber and adsorber. For detection of gases at entry and exit of the adsorber, gas detectors worth Rs.5, 00,000 were purchased.

**The success achieved in this project : 95% removal of the green house gases and acidic gases.**

**Hobbies:**

**Writing: Has written 7 dramas, 12 one act plays, more than 25 street plays for students/N.G.O**

Sr. No.	Particulars	
1	Name (in BLOCK letters)	Dr. Anjali Sudhir Puranik
2	Department	CHEMISTRY
3	Current Designation Pay Band & Grade Pay	Designation: ASSOCIATE PROFESSOR .STAGE-4 (13A)
4	Date of last promotion	20-6-2009
5	Current Position and Academic Level of an applicant .under CAS	ASSOCIATE PROFESSOR STAGE-4 . . (13A) Pay Band:131400-21710 Grade Pay :9000
6	The designation and grade pay applied for under CAS	. Designation: PROFESSOR STAGE-5 (14) . Grade Pay :144100
7	Date of eligibility for promotion	11-5-2022
8	Address for correspondence (with pin code)	1805, Road No. 6, Dhundi Vinayak Nagar, . Burmali Road, Pali. Tal Sudhagad, Dist. Raigad. PIN 410 205
	Telephone No.	Landline No 02142 242292 Mobile No. 9226882876/9423891038
	Email	<a href="mailto:aspuranik@jnpaliwala.in">aspuranik@jnpaliwala.in</a>

## GENERAL INFORMATION

### Academic Qualifications (Matric till Post graduation):

Sr. No.	Examinations	Name of the Board / University	Year of Passing	Percentage of Marks Obtained	Division / Class / Grade	Subject
1	S.S.C(10 <sup>th</sup> )	Maharashtra state board	1984	87.57	First Class	Marathi, Hindi, English, Math's, Social sci. Science
2	HSC (10+2)	Maharashtra state board	1986	53.67	First Class	English, Physics, Chemistry, Math's, Electrical Maintenance
3	B.Sc. (Chemistry)	University of Mumbai	1989	62.63	First Class	Chemistry
4	M.Sc.	University of Mumbai	1991	66.7	First Class	Analytical Chemistry
5	SET	UGC, Pune	1995	Qualified	--	Chemical sciences
6	MS-CIT	MS-BTE Mumbai	1999		Distinction	Computer

### Research Degrees:

Degree	Title	Date of award	University
Ph.D.	A Green Way to Remove Noxious Gases From Stack Evolutions	26/11/2019	University of Mumbai

**Record of academic service in this institution**

Sr. No	Designation	Nature of appointment (Regular / Temporary/ Ad-Hoc / Fixed tenure)	Date of		Salary with Grade	Status
			Joining	Leaving		
1	Lecturer in Chemistry	Temporary	01/08/1993	19/06/1995	2200-75-2800-100-4000	On probation
2	Lecturer in Chemistry	On probation	20/06/1995	19/06/1997	2200-75-2800-100-4000	Confirmation
3	Lecturer in Chemistry	Permanent	20/06/1995	19/06/1997	2200-75-2800-100-4000	Confirmation
4	Sr. Scale Lecturer in Chemistry	Permanent	01/08/2000	19/06/2006	10000 – 325 - 15200	Confirmation
5	Selection Grade Lecturer in Chemistry	Permanent	20/06/2006	19/06/2009	15600 - 39100	Confirmation
6	Associate Professor	Permanent	20/06/2009	10/5/22	37400 – 67000 AGP	Confirmation
7	Professor	Permanent	11/5/22	Till today	Grade Pay 144100	Confirmation

**Human Resource Development Centre Orientation/Refresher courses attended:**

<b>Name of the Course/ Summer Course</b>	<b>Place</b>	<b>Duration</b>	<b>Sponsoring Agency</b>
Orientation Course: Special Winter School Program	Dr Babasheb Ambedkar Marathwada University, Aurangabad	08/11/2013 to 28/11/2013	UGC
Refresher Course	University of Mumbai	10/02/2000 to 04/03/2000	UGC
Refresher Course	Dr Babasheb Ambedkar Marathwada University, Aurangabad	04/06/2002 to 25/06/2002	UGC
Refresher course	University of Mumbai	15/10/2004 to 05/11/2004	UGC
Short Term Course Certificate Course in Research Methodology and Computer Applications	K.J. Somaiya College of Commerce and Science	September 2013 to April 2014	K.J. Somaiya College of Commerce and Science

**Activities:**

<b>Sr.No.</b>	<b>Activity</b>	<b>Description</b>
1	Teaching:	Black board Teaching: ICT based Practical / Laboratory Tutorials / Assignments/ Project, Field Work, Group Discussion, Seminars Remedial Teaching, clarifying doubts within and outside the class hours Additional teaching to support counseling and mentoring)
2	Administrative responsibilities	<ol style="list-style-type: none"> <li>1. Chairman of Women Development Cell</li> <li>2. Chairman of Library Committee</li> <li>3. Member of IQAC</li> <li>4. Member of Research Committee</li> <li>5. Member of Competitive Examination Cell</li> </ol>
3	Examination and evaluation duties assigned by the college/university	<ol style="list-style-type: none"> <li>1. College Question Paper Setting</li> <li>2. Invigilation/Supervision</li> <li>3. Grievance Committee</li> <li>4. Internal Assessment</li> <li>5. External Assessment</li> <li>6. Revaluation</li> </ol>
4	Student related co-curricular, extension and field-based activities	<ol style="list-style-type: none"> <li>1. Member of the Board of Directors, Student Development, University of Mumbai.</li> <li>2. Guiding students for the Research Convention Avishkar</li> <li>3. Meeting of DDC Committee of Art of Living</li> <li>4. Member of NSS Advisory Committee</li> <li>5. Organization of Industrial Visits</li> <li>6. Carrier Counselling</li> </ol>

		7. Free water and soil testing made available to the society 8. Writing and presentation of Street plays with NSS volunteers 9. Working for the cause of Gender Equality.
5	Institutional Governance / Participation in State/ Central bodies	1. Worked with NITI AAYOG 2. Vice-Chancellor's Nominee for CAS 3. Member of LIC 4. Resource person for Avishkar Workshops organized by the Department of Student Development, University of Mumbai
6	Organizing seminars/ conferences/ workshops	1. Member of organizing committee of the International Conference of IBEARD 2. Member of organizing committee of University level Youth Festival of the University of Mumbai

### Research papers

Sr. No.	Title of paper	Year	Link
1	Quantitative Assessment of Phosphoric acid in Various Soft Drinks Available in India	2021-22	<a href="#">Corresponding link</a>
2	Water quality of historical wells in periphery of Sudhagad fort (Anjali Salil)	2020-21	<a href="#">Corresponding link</a>
3	Variation in specific conductance of Ca(OH) <sub>2</sub> solution with temperature, dilution and addition of glycerol	2019-20	<a href="#">Corresponding link</a>
4	Removal of Carbon monoxide from flue gas (Anjali Salil)	2019-20	<a href="#">Corresponding link</a>
5	To study removal capacity of commercial slaked lime as an adsorbent for CO <sub>2</sub> generated in industrial evolutions.	2018-19	<a href="#">Corresponding link</a>
6	To study the removal capacity of commercial slaked lime as an adsorbent for SO <sub>2</sub> generated in industrial evolutions (Anjali Salil) Book chapter	2018-19	<a href="#">Corresponding Link</a>
7	Pollution inside an Air-Conditioned vehicle	2016-17	<a href="#">Corresponding link</a>
8	Measurement of composition of flue gas generated using different industrial fuels	2017-18	<a href="#">Corresponding link</a>
9	Detection and estimation of Noxious gases from stack evolution		<a href="#">Corresponding link</a>
10	Quantitative Assessment of citric acid in Various Soft Drinks Available in India	2021-22	<a href="#">Corresponding link</a>
11.	To study the removal capacity of commercial slaked lime as adsorbent for NO generated in industrial evolutions (Anjali Salil)	2021-22	<a href="#">Corresponding link</a>

**Awards and certificates:****1. Year 2005-06**

Sr.No.	Title	Issued by	link
1	PG diploma in Folk Arts	Univ of Mumbai	<a href="#">Link here</a>
2	Presenting Powada Pawankhind at Raigad fort	J.N. Paliwala College	<a href="#">Link here</a>

**2. Year 2012-13**

Sr. No	Title	Issued by	link
1	Resource person in NSS camp Goregaon College	Goregaon college	<a href="#">Link here</a>
2	Participation in DGSI international conference	J.N. Paliwala College	<a href="#">Link here</a>
3	Participation in National Symposium	J.N. Paliwala College	<a href="#">Link here</a>

**3. Year 2013-14**

Sr. No.	Title	Issued by	link
1	Participation in National Seminar	D.G. Tatkare Mangaon College	<a href="#">Link here</a>
2	Resource person in T. Y. Analytical Chemistry	KMC college Khopoli	<a href="#">Link here</a>
3	Placement in Selection Grade	J.N. Paliwala College	<a href="#">Link here</a>
4	Examiner of theory in F.Y. B.Sc.	K.J. Somaya College Mumbai	<a href="#">Link here</a>
5	Participation in National Seminar	MPASC college, Panvel	<a href="#">Link here</a>
6	Completion of 6 months course of Research Methodology and Computer Applications	K.J. Somaya College Mumbai	<a href="#">Link here</a>

#### 4. Year 2014-15

Sr. No.	Title	Issued by	link
1	Moderation of Theory papers ( Analytical)	University of Mumbai	<a href="#">Link here</a>
2	Participation in National Seminar	Aacharya & Marathe College Chembur	<a href="#">Link here</a>
3	Pay fixation as Associate Professor	J.N. Paliwala College	<a href="#">Link here</a>
4	Participation in National Seminar	Bhausahab Nene College Pen	<a href="#">Link here</a>
5	Appointed as IQAC member	J.N. Paliwala College	<a href="#">Link here</a>
6	Participation in National Seminar	MPASC college Panvel	<a href="#">Link here</a>

#### 5. Year 2015-16

Sr. No.	Title	Issued by	link
1	Subject expert for appointment of lecturer	D.G. Tatkare College Kolad	<a href="#">Link here</a>
2	Attended workshop on revised syllabus of T.Y. B.Sc.	Doshi Vakil College Goregaon (Mahad)	<a href="#">Link here</a>
3	Participation in Seminar on Scientific writing	K.J. Somaya College Mumbai	<a href="#">Link here</a>
4	Participation in Zonal workshop by WDC of University of Mumbai	University of Mumbai & Limaye College Kalamboli	<a href="#">Link here</a>
5	Presentation of Paper in Research Scholar Meet	K.J. Somaya College Mumbai	<a href="#">Link here</a>
6	<b>Felicitation by 'Kalanidhi'</b>	Kalanidhi' theatre accacamy	<a href="#">Link here</a>

#### 6. Year 2016-17

Sr. No.	Title	Issued by	link
1	Participation in "Kirtan PrashikshanShibir"	KirtanbhaskarChipalun	<a href="#">Link here</a>
2	Judge for Rasayan( Science exhibition)	K.J. Somaya College Mumbai	<a href="#">Link here</a>
3	Presentation in Research Scholar Meet	K.J. Somaya College Mumbai	<a href="#">Link here</a>
4	Participation in state level Geography conference	Sheth J.N. Paliwala College Pali	<a href="#">Link here</a>
5	Participation in state level conference	APSC college Nagothane	<a href="#">Link here</a>
6	Participation in state level conference	K.J. Somaya College Mumbai	<a href="#">Link here</a>
7	Participation in national level conference	Nanasaheb Dharmadhikari college Gove-Kolad	<a href="#">Link here</a>



## 7. Year 2017-18

Sr. No.	Title	Issued by	link
1	Participation in workshop of Revised syllabus of M.Sc. I	BOS University of Mumbai	<a href="#">Link here</a>
2	Member of Local Enquiry committee at Mahad Colleges	University of Mumbai	<a href="#">Link here</a>
3	Subject expert of CAS in Dyansadhana College Thane	University of Mumbai	<a href="#">Link here</a>
4	Participation in State level Inter-University Avishkar Research Convention	University of Mumbai	<a href="#">Link here</a>
5	Member of Student Welfare Committee of University of Mumbai	University of Mumbai	<a href="#">Link here</a>
6	Resource person for street play in NSS camp	Arts ,Commerce and Science College, Lanja	<a href="#">Link here</a>
7	Presentation in State level Inter-University Avishkar Research Convention	Rahuri Krishi Vidyapeeth	<a href="#">Link here</a>
8	Subject expert of CAS in Gogate-Jogalekar College Ratnagiri	Gogate-Jogalekar College Ratnagiri	<a href="#">Link here</a>
9	Participation in Three days INTERNATIONAL workshop	Reliance, DBATU, CCPS	<a href="#">Link here</a>
10	Participation in Natioal workshop in SIWS college Matunga Mumbai	University of Mumbai	<a href="#">Link here</a>
11	Participation certificate in Avishkar	University of Mumbai	<a href="#">Link here</a>
12	Subject expert of CAS in K.M.C. College Khopoli	K.M.C. College Khopoli	<a href="#">Link here</a>
13	Resource person in analytical Chemistry (T.Y.)	K.M.C. College Khopoli	<a href="#">Link here</a>
14	Subject expert of CAS in Dyansadhana College Thane	Dyansadhana College Thane	<a href="#">Link here</a>
15	Chief Guest in “MahillaMelawa” at Nirmiti Uddhar	Nirmiti Uddhar- Pali	<a href="#">Link here</a>

## Year 2018-19

Sr. No.	Title	Issued by	link
1	Invitation for Meeting by Department of Student welfare	University of Mumbai	<a href="#">Link here</a>
2	Participation in grooming sessions of Avishkar	University of Mumbai	<a href="#">Link here</a>
3	Participation in meeting with VC in Management council hall Fort Mumbai	University of Mumbai	<a href="#">Link here</a>
4	Mentor for Avishkar: Project got Consolation prize at University level	R.D. National College and University of Mumbai	<a href="#">Link here</a>
5	Participation in Avishkar at Interuniversity state level	Gondwana University	<a href="#">Link here</a>
6	<b>Gold Medal in Avishkar at Interuniversity state level</b>	<b>Gondwana University</b>	<a href="#">Link here</a>
7	Participation in International Conference	J.S. M. College Alibag	<a href="#">Link here</a>
8	Certificate of publication of research paper	Laxmi Publications	<a href="#">Link here</a>

## 8. Year 2019-20

Sr. No.	Title	Issued by	link
1	<b>Felicitation and Chief Guest for “Rangasugandha” Mahad</b>	<b>Rangasugandha” Mahad</b>	<a href="#">Link here</a>
2	Guest speaker in Mahad Manufacturing Association	Mahad Manufacturing Association	<a href="#">Link here</a>
3	Chief guest and Resource person in PRIDE India Program	PRIDE India unit Pali	<a href="#">Link here</a>
4	Chief Guest for prize distribution ceremony of Ballaleshwar Devsthan Pali	Ballaleshwar Devsthan Pali	<a href="#">Link here</a>
5	Resource person for Avishkar workshop	DSD, University of Mumbai	<a href="#">Link here</a>
6	Mentor for Avishkar	Vidyaniketan College Khalapur	<a href="#">Link here</a>
7	Participation in International Conference in Israel	IBERD India	<a href="#">Link here</a>
8	<b>First prize in presentation of research paper in Israel</b>	IBERD India	<a href="#">Link here</a>
9	Participation and presentation in Vishwanath Samit	Sindhu SwadyaSindhudurga	<a href="#">Link here</a>
10	Participation and presentation in National Conference	G. M. Vedak College	<a href="#">Link here</a>
11	Participation and presentation in two days National conference	C.K. T. College Panvel	<a href="#">Link here</a>
12	Felicitation by Kalanidhi Natyasanstha	Kalanidhi Natyasanstha Pali	<a href="#">Link here</a>
13	Resource person in Avishkar workshop	Doshi-Vakil College	<a href="#">Link here</a>
14	<b>Vidnyan Gaurav Puraskar</b>	<b>R.D. National College</b>	<a href="#">Link here</a>

## 9. Year 2020-21

Sr. No.	Title	Issued by	link
1	Appreciation by Attal Innovation	Govt of India NITI Ayaog	<a href="#">Link here</a>
2	<b>Patent filed for research work</b>	<b>IPR Govt. of India</b>	<a href="#">Link here</a>
3	Appointment as District Development Committee member of AOL	The Art of Living India	<a href="#">Link here</a>
4	Felicitation by Tahasildar	Tahasil office Pali-Sudhagad	<a href="#">Link here</a>
5	<b>Certification as Earth Day Network Star</b>	<b>Earth Day Network (Across the Globe)</b>	<a href="#">Link here</a>
6	Participation in Global seminar	Institute of Engineering Nagpur	<a href="#">Link here</a>
7	Participation in International Seminar “Darvin Master class”	S. K. Somaya Mumbai	<a href="#">Link here</a>
8	Participation in National Seminar by NCCT	TIFR and University of Mumbai	<a href="#">Link here</a>

9	Participation in National Seminar Shrivardhan College	Shrivardhan College	<a href="#">Link here</a>
10	Participation in International Conference by Devrukh college	Devrukh college	<a href="#">Link here</a>
11	Participation in National Seminar by Amravati University and IUPAC	Amravati University and IUPAC	<a href="#">Link here</a>
12	Participation in National Seminar by KBP college Navi Mumbai	KBP college Navi Mumbai	<a href="#">Link here</a>

#### 10. Year 2021-22

Sr. No.	Title	Issued by	link
1	<b>Felicitation by Brahman Sabha Sudhagad Taluka</b>	<b>Sudhagad Taluka Brahman Santha Pali</b>	<a href="#">Link here</a>
2	Acceptance of paper	Laxmi Publications	<a href="#">Link here</a>
3	Subject expert of CAS in Veer Wajekar College Phude	University of Mumbai	<a href="#">Link here</a>
4	Chief Guest and Resource person in PRIDE program Aptavane	The PRIDE India Sudhagad	<a href="#">Link here</a>
5	<b>Falicitation by Tahasil and Polis station Pali</b>	<b>Tahasil and Polis station Pali- Sudhagad</b>	<a href="#">Link here</a>
6	Meeting of Screening and evaluation Committee	Bhausahb Nene College Pen	<a href="#">Link here</a>
7	Subject expert of CAS in Veer Wajekar College Phude	University of Mumbai	<a href="#">Link here</a>
8	Subject expert of CAS in KLE College Kalambolii	KLE College Kalambolii	<a href="#">Link here</a>
9	<b>Ranaragini Puraskar</b>	<b>BallaleshwarDevasthan Pali</b>	<a href="#">Link here</a>
10	Appreciation for Conducting workshop	Anna -Leela College and University of Mumbai	<a href="#">Link here</a>
11	IBERD Co- editor of Abstract Book	IBERD and University of Mumbai	<a href="#">Link here</a>
12	Member of Organizing Committee of 3 <sup>rd</sup> conference of IBERD	IBERD and University of Mumbai	<a href="#">Link here</a>
13	Certificate of publication of paper (H <sub>3</sub> PO <sub>4</sub> in Cold drinks)	Laxmi Publications	<a href="#">Link here</a>