

RESUME

Personal Details

Name :- NINAD RAMBHAU JAWADE

Father's Name :- Rambhau Pandurang Jawade

Date of Birth :- 8th November, 1968.

Sex :- Male

Marital Status :- Married

Postal Address :- Department of Chemical Engineering. Government Polytechnic
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Languages Known :- Marathi, Hindi, English
(Read, Write, Speak)

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Educational Qualification :-

Examination	University	Year of passing
Ph.D.	Dr. B.A.Tech. University, Lonere	2016
M.Tech. (Chem. Engg.)	Nagpur University, Nagpur	1996
B.Tech. (Chem.Tech.)	Amaravati University, Amaravati	1993

Ph.D. Title: *Modeling and Experimental Investigation of Rheology, Microwave Drying of Aloe Gel and Diffusion Kinetics of Aloin from Aloe Vera Plant*

Study included rheological behavior of Aloe gel, Microwave drying of gel, extraction of active ingredient 'Aloin' from Aloe Vera gel using Soxhlet extraction, batch extraction & Ultra assisted extraction. The modeling task carried out to see the temperature distribution, moisture diffusivity and diffusion of aloin during extraction. RSM method is used to optimize parameters.

Consultancy: Involved in consultancy of 'Galaxy Surfactants, Mumbai'. Developed method for estimation of molecular weight of polymer samples using GPC worth Rs. 150,000/- during year 2009-10.

Hands on experience: Experience on highly sophisticated analytical instruments like gel permeation chromatography(GPC), high performance liquid chromatography(HPLC), high performance thin layer chromatography(HPTLC), gas chromatography(GC), Fourier transform Infrared spectroscopy(FTIR), UV – visible spectroscopy , thermo gravimetric analysis(TGA), Brookfield viscometer & HAAKE Rheostress.

Academic Achievement:-

- High school Scholarship (1981-84), National Merit Scholarship (1984-87), KEMS PG Scholarship (1994-96)
- GATE Validity 2003:- 81.19

- Passed MS-CIT exam for computer proficiency

Teaching Experience: - Total teaching experience upto 07/03/2014: 15 years- 02 months

Sr.No.	Organization	Post	Period
01	Govt. Polytechnic, Arvi, Dist – Wardha, Directorate of Tech. Education, Mumbai	Head of the Department	Since 03/07/2016 onwards
02	Dr. B. A. T. U.’ Institute of Petrochemical Engineering ,Lonere	Lecturer in Chemical Engg. (Sl. Grade)	08/02/2009 to 02/07/2015
03	Dr. B. A. T. U.’ Institute of Petrochemical Engineering ,Lonere	Lecturer in Chemical Engg. (Sr. Scale)	08/02/2004 to 07/02/2009
04	Dr. B. A. T. U.’ Institute Of Petrochemical Engineering ,Lonere	Lecturer in Chemical Engg.	21/01/1999 to 07/02/2004

Salary Drawn: - Basic pay Rs. 37,400- Rs 67,100/- + AGP Rs. 9,000/-

Subjects taught at diploma & advanced diploma level: -

- **At MSBTE level:** Fundamentals of Chemical Engineering, Industrial Chemistry, Behavioral Science, Entrepreneurship Development & Industrial Project
- **At Dr. BATU, Lonere:** Chemical Reaction Engineering, Process Plant Drawing, Fluid Mechanics, Wastewater Treatment, Stoichiometry , Plant Utilities, Solid Fluid Operations, Chemical Process Technology, Heat Transfer, Mass Transfer, Analytical Instruments, Plant Maintenance and Material Handling, Environmental Engineering, Plant Safety, Water Treatment Plant Drawing.

Responsibilities Handled/handling:-

At the level of Head (Since 3/7/2016) at Govt. Polytechnic, Arvi

- Working as Vice President , Gymkhana at
- Organized Blood donation camp for Government medical hospitals for year 2015 and 2016.
- Organized Sanskrutik melava, IDESSA sports activities, Swachhata Abhiyan etc.
- Worked as Chairman of EAMC for six polytechnics
- Organized state level technical paper presentation for other group on 29 September, 2016
- Worked/working as member on various committees for MSBTE and DTE.

At the level of Lecturer:

- Successfully completed MODROB projects of the department viz. Analytical Instruments for water testing worth of Rs. 9 Lacs (2003-05) and ‘Modernization of facilities in Environmental Engineering Laboratory’ worth of Rs. 12 Lacs (2013- 15).
- Founded “Students Association of Chemical Engineering” (SACHE) and held responsibility as Faculty Advisor during 2006-2013 to conduct various technical, cultural and social activities.
- Worked as Coordinator of one year full time Advanced Diploma in Water Quality Management (ADWQM) an Institute-Industry collaborative course during 2008-11.
- Worked as Coordinator of institute – industry participation refresher course “Elements of Chemical Engineering” for SANDOZ, Mahad employees during January -August- 2011.
- Plan, organize and facilitate industry visits and expert lectures. Looked training and placement activities of Chemical, petrochemical engineering departments during 1999-2001, 2005-11.
- Started celebration of World Water Day on 22 March every year since 2010.

- Worked as examination coordinator of the department for the University during 2006-10.
- Efforts taken to start SANDOZ scholarship worth Rs. 5000/- each two top ranking students of final year diploma in Chemical Engineering since 2007-08.
- Worked as Assistant Rector of Girl's hostel "Alaknanda" during 2005-2007 and member secretary of Rector Council for the year 2006-07.
- Successfully organized Silver Jubilee function of the department held during December 25-27, 2007 by rising fund around Rs. 125,000/- from sponsorship of process industries.
- Active participation in accreditation work, convocation, Maharashtra-Goa ISTE Convention 2001 assists in ISTE-STTP programme & gathering activities etc.
- Effective implementation of curricula of the concerned course, planning and delivering class room and laboratory instructions.
- Student's assessment and evaluation including tasks related with mid-term tests and term-end examinations.
- Design and Development of learning resources; planning, development and setting of laboratories and academic facilities.
- Guiding the concerned Lab Assistant in maintenance and repairs of laboratories and equipments concerned with the course/subject
- Preparing and maintaining student's records for the academic term.
- Plan and execute student's development activities, guidance and Counseling to students
- Participate in professional activities through interaction with industries, consultancy, continuing education and trainings.
- Assist Head of department in departmental activities and providing student's services
- Keep abreast of the newer knowledge, skills and technology through self-up-gradation and dissemination of knowledge through articles, books, journals and seminars etc.
- Self-development through qualification improvement, experience enrichment, professional activities and interactions with professional bodies.
- Motivator and facilitator for carrying co-curricula and extracurricular activities for developing overall personality of student's.
- Planning, scheduling, coordinating and monitoring the curriculum implementation pertaining to the department.
- Preparation of timetable and mobilization of teaching-learning resources.
- Develop and maintain inter departmental relation for effective working in the institute
- Creating the facility of sophisticated instruments like UV spectrophotometer and gas chromatography.
- Active participation in accreditation work, convocation, ISTE-STTP programmes
- Staff development of the ADWQM course, Curriculum design and modification
- Organizing industrial visits to nearby industries.
- Developed laboratories of Solid fluid operations, Process Technology, Heat Transfer, Plant Utilities and Analytical instruments.

Attended training programs on different titles:-

- Successfully completed six weeks 'Foundation Course' during 01/07/2016 to 12/07/2016, at YASHADA, Pune for newly recruited Head of the Department at various Govt. Polytechnics under Directorate of Technical Education, Mumbai.
- Attended one week ISTE-STTP on 'Process plant safety' at NITTR, Bhopal.(2015)
- Attended one week TEQIP sponsored training programme on 'Recent advances in nanotechnology' at DBATU, Lonere. (2013).
- Attended one week ISTE-STTP on 'Application of MATLAB in mathematical Modelling' at DBATU, Lonere. (2012).
- Attended one week industrial training at Ion Exchange India Ltd; Ankleswar (GJ) (2010)
- Attended one day programme on 'Wastewater Treatment' in RCF, Chembur (2009&10)
- Attended one week ISTE-STTP on 'Application based numerical methods for chemical engineers using Matlab'.(2009)
- Attended two days refresher course on 'Sophisticated instrumentation facilities' at Dr. B.A.Tech. University September-2006.
- Attended one week ISTE – STTP on 'Recent advances in potable water treatment' at Dr. B.A.Tech.University,Lonere(2003)
- Attended two weeks programme on 'Sludge treatment & membrane separation processes' at Dr. B.A. Tech. University in association with Cranfield University (UK) (2003)
- Attended two week ISTE – STTP on 'Industry-Institute partnership' at TTTI,Chandigarh(2002)
- Attended two week ISTE – STTP on 'Industrial pollution & sustainable development' at Govt. polytechnic, Hyderabad (2001),
- Attended two week Induction program for polytechnic teachers' at TTTI,Bhopal(2001)

Paper presentation:

Journals: 1. Using nanofiltration and ultrafiltration for the concentration of Amla (*Phyllanthus Emblica*) Juice, Dawale Sachin A, Jawade Ninad R, International Journal of Nanoscience and Nanotechnology, ISSN 0974-3081 Volume 5 (1), pp. 59-65, 2014.

2. *Ultrasonic assisted extraction of aloin from Aloe vera gel*, Ninad R. Jawade, Abhijit R. Chavan, Procedia Engineering, ISSN 1178-7058, Elsevier, Vol 51, pp 487-493, 2013

Conference: 1. *Ultrasonic assisted extraction of aloin from Aloe vera gel*, Ninad R. Jawade, Abhijit R. Chavan, 3rd Nirma University international conference on engineering (NUiCONE – 2012) at Nirma University, Ahmedabad, 6-8 December 2012

2. *Study of drying kinetics of Aloe vera gel in microwave oven*, Ninad R. Jawade, Abhijit R. Chavan, Sujay Chattopadhyay, 65th Indian Chemical Engineering Congress (CHEMCON), DBANIT, Jalandhar, 27-30 December 2012

3. *Optimization of batch extraction parameters for aloin from Aloe vera gel*, Ninad R. Jawade, Abhijit R. Chavan, 2nd Nirma University international conference on engineering (NUiCONE – 2011) at Nirma University, Ahmedabad, 8-10 December 2011

4. *Study of rheological behavior of Aloe vera gel using creep- recovery test*, Ninad R. Jawade, Sujay Chattopadhyay, 61st Indian Chemical Engineering Congress (CHEMCON), Punjab University, Chandigarh, 27-30 December, 2008

5. *Rheological behavior of Aloe vera gel*, Ninad R. Jawade, Sujay Chattopadhyay, Young researcher's conference by ICT, Mumbai- DBATU, Lonere, at DBATU, Lonere, 29-31 March 2007

6. *Scientific approach on polarization effects & application of cathodic protection*, Ninad R. Jawade & S Satpathy, Central Electrochemical Research Institute, Karaikudi (TN) in 1993.

Industrial Experience:-

S.N.	Organization	Post	Period
01	Bhansali Engineering Polymers Ltd; Satnoor (M.P.)	Sr. Engineer (Process)	September 1994 –January 1999

Worked as Sr. Engineer (Process) in production department during 21/09/1994 to 08/01/1999.

Last Salary drawn: - Rs.7000/- gross.

The company has technical collaboration with Sumitomo-Dow Co.Ltd; Japan. It has capital investment of Rs. 100 crore. The plant has main units Polymerization, Flocculation, Drying & Compounding to process 50,000 TPA ABS resin. It is leader in the market of various grades of ABS resin, NBR, SBR sharing 33% of Indian market. Annual turnover of company was Rs. 200 crore. The company is ISO 9002 certified.

Responsibilities Handled-

- Controlling operating parameters for the polymerization of ABS grade latexes, Flocculation, filtration, sintering, fluid bed, & flash bed drying using PLC based MOD-30 control system.
- To plan the jobs of shift engineers, supervisors, operators & to cooperate with other departments for steady inflow of services to achieve shift wise production target.
- Safety checks & handling of hazchems viz. Styrene, Butadiene & Acrylonitrile
- Labor utilization, trouble shooting & quality assurance, Hands on experience on erection & commissioning work, actively participated in documentation work of ISO-9002.
- In night shifts, worked as plant incharge to control activities of all departments.
- Assisted in training activities of supervisors, engineer trainee, operators and also students
- Actively worked as member of plant safety management & canteen management committee.

Industrial Achievements:-

First prize winner in safety training for middle level management by Industrial Health & Safety, Govt. of Madhya Pradesh (1995).

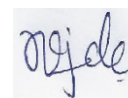
Membership: -

- Life member of Indian Society of Technical Education, New Delhi (**LMISTE**)
- Life member of Indian Institute of Chemical Engineers, Kolkata (**LMIChE**)

I hereby declare that above information is correct and true to the best of my knowledge & belief.

Place:- GP,Arvi

Date: 14/09/2018



(N.R. Jawade)
Head, Chemical Engineering