

## BIO-DATA



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3. Institution: University College, Benra- Dhuri.
4. Date of Birth: 13/04/1975
5. Gender (M/F/T): Male
6. Category Gen/SC/ST/OBC Gen
7. Marital Status Married
8. Whether differently abled (Yes/No): No

### 9. Academic Qualifications :

S.No.	Degree	University	Year	Subjects	Percentage
1.	10 <sup>th</sup>	Pb. School Edu. Board Mohali	1989	Science ,Social Studies ,Math, English, Punjabi	73
2.	12 <sup>th</sup>	Pb. School Edu. Board Mohali	1991	Physics, Chemistry, Math, English, Punjabi	56
3.	B.Sc. (Medical)	Punjabi University, Patiala	1994	Botany, Chemistry, Zoology, English, Punjabi	61
4.	M.Sc. (Chemistry)	Punjabi University, Patiala	1997	Inorganic Chemistry	63
5.	B.Ed	Punjabi University, Chandigarh	1998	Science English	64
6.	CSIR/UGC	Qualified in Dec. 2000			
7.	Ph.D.	Punjabi University, Patiala	2003		

**10. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.**

**Ph.D thesis title:** Characterization & Treatment of Tannery Effluent for Biogas Production. Dr. A.L.J Rao

**Institute/Organization/University:** Punjabi University, Patiala

**11. Work experience (in chronological order).**

S.No.	Position held	Name of Institute	From	To	Pay Scale
1.	Lecturer (Contract)	Government College Malerkotla	15.09.1998	13.03.1999	Consolidated 4000/-
2.	Lecturer (Regular)	Patel public School ,Rajpura	21.07.1999	25-09-2000	6500/- Fixed
3.	Lecturer (Adhoc)	SLIET Longowal	07- 08-2001	28-02-2002	8000-13500
4.	Assistant Professor (Chemistry)	YCOE ,Talwandi Sabo	04.10.2006	07.10.2011	15600-39100 AGP 6000
5.	A.P. (Chemistry)	Punjab Institute of Technology Mansa (A constituent college of MRSPTU, Bathinda)	08.10.2011	12.01.2016	15600-39100 AGP 8000
6.	A.P. (Chemistry)	YCOE ,Talwandi Sabo	13.01.2016	12.08.2018	15600-39100 AGP 7000
7.	A.P. (Chemistry)	University College Benra ,Dhuri (A constituent college of Punjabi university, Patiala)	13.08.2018	Till Date	15600-39100 AGP 7000

**Research Papers in National/International Journals:**

1. Paper published in National Journal Chemical, environment and Research title “characterization and treatment of tannery effluent using batch or anaerobic baffled reactor” 11 (3 &4) 255-260, 2002.
2. Paper published in International peer reviewed Journal of Applicable Chemistry title “Groundnut shell powder as low cost natural adsorbent for total chromium in spent chrome liquor” 6 (5) 841-845, 2017.

3. Paper published in International peer reviewed Journal of Applicable Chemistry title “Comparative account of Batch reactor and Anaerobic baffled reactor in methanogenesis of spent chrome liquor” 6(6) 1100-1106, 2017.

**List of Oral/ Poster/Participation in various International/National conferences/  
Symposium/ Seminar/Workshop**

1. Participated in national seminar on Recent Advances in Environmental presentation sciences and technology organized at SLIET longowal on 4-10-2002.
2. Oral presentation of paper Title “Anaerobic treatment of Tannery effluent for biogas production” in National symposium on advances in industrial biotechnology organized at Punjabi university Patiala from 23-2-2004 to 24-2-2004.
3. Poster presentation in National symposium on emerging trends in chemistry organized at Punjabi university Patiala from 15-2-2010 to 16-2-2010.
4. Participated in National conference on advancement and futuristic trends in mechanical and material engineering organized at YCOE, Talwandi Sabo on 19-2-2010 to 20-2-2010.
5. Participated in EPS-2010 organised at Chitkara institute of engineering and technology on 20-10-2010.
6. Participated in National workshop on Use and Deployment of WEB and video courses organized by NPTEL at IIT Delhi on 14-7-2011 to 15-7-2011.
7. Participated in IPRS awareness workshop organized by GSSDGS khalsa college Patiala and PSCTS Chandigarh on 27-1-2012.
8. Participated in International conference on advancement and futuristic trends in mechanical and material engineering organized at PTU, Jalandhar from 3-10-2016 to 6-10-2016.
9. Poster presentation in national seminar on New paradigm in chemical sciences : synthetic and Analytical perspectives-2016 organised at Punjabi university Patiala on 4-2-2016 to 5-2-2016.
10. Poster presentation in National conference on Recent advances in chemical, biological and environmental sciences (RACES-2016) organized by MM college, Patiala from 19-2-2016 to 20-2-2016.
11. Oral presentation of paper title “ Anaerobic Treatment of spent chrome liquor through batch reactor” in International conference Advancement and futuristic trends in mechanical and material engineering organized at Baba Farid group of institute bathinda from 25-2-2016 to 27-2-2016.
12. Oral presentation of paper title “ The use of natural resin GNSP as biosorbent and substrate for treatment of spent chrome liquor” in International conference Advancement and futuristic trends in mechanical and material engineering organized at Baba Farid group of institute bathinda from 25-2-2016 to 27-2-2016.

13. Participated in National seminar on Contemporary issues in education organized by Panchnad research institute Chandigarh on 10-7-2016.
14. Participated in national workshop on Innovation in science (IIS-2016) organized at YCOE, T Sabo on 15-9-2016 to 16-9-2016.
15. Participated in one day workshop on IPR organized at YCOE, T. Sabo on 18-11-2016.
16. Attended one week Short Term course on Engineering Today 2016 organised by YCOE T.Sabo from 21-11-2016 to 25-11-2016.
17. Participated in National workshop on Innovation in science (IIS-2017) held at YCOE T. Sabo on 6-11-2017 to 7-11-2017.
18. Poster presentation in National conference on recent advances in chemical, biological and environmental sciences (RACES-2018) organized by MM college, Patiala from 9-2-2018 to 10-2-2018.
19. Poster presentation in national conference on Chemical and Environmental sciences: Innovation and advances -2018 organised by Punjabi University, Patiala from 15-2-2018 to 16-2-2018.

### **Membership Hold**

- 1 Life member of the Indian Society for Technical Education (ISTE) since 2012.
- 2 Life member of Society of Materials and Mechanical Engineers (SOMME) since 2016

### **Extracurricular Activities**

NCC 'C' certificate.

### **Linguistic Proficiency**

Punjabi, Hindi and English

**I hereby declare that the particulars given are true and complete to the best of my knowledge and belief.**

(Dr. Rakesh Kumar)