

Rakesh Kumar Bachheti

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ORGANIC CHEMISTRY PROFESSIONAL

CAREER OBJECTIVE

To reach such a challenging and rewarding position in the research group that demands me to apply my entire intellectuality and to retain my identity in the society by achieving the summit of perfection in my duties and responsibilities.

EDUCATIONAL & PROFESSIONAL DEVELOPMENT:

- ⇒ **P.hD in Organic Chemistry** in 2007, Kumaun University, Uttarakhand, India
 - ⇒ **M.Sc (Master in Science), Organic Chemistry**, in 1998, H.N.B.Garhwal University, Srinagar Garhwal, India
 - ⇒ **B.Sc. (Physics, Chemistry, Mathematics)**, in 1996, H.N.B. Garhwal University, Srinagar Garhwal, India
 - ⇒ **Post Graduate Diploma (One Year) in Pulp & Paper Technology**, Forest Research Institute (**Autonomous body of Govt. of India**), Dehradun, in year 2000-01
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WORK EXPERIENCE:

- ⇒ Working as an **Associate Professor** with Addis Ababa Science and Technology University, Addis Ababa, Ethiopia from **April 2018 to till now**
 - ⇒ Worked as an **Associate Professor** with **Graphic Era University, Dehradun, India** **Oct' 15 to Oct 2017**
 - ⇒ Worked as an **Assistant Professor** with **Haramaya University, Ethiopia, Africa** **Nov' 11 to July' 2015**
 - ⇒ Worked as an **Assistant Professor** with **Graphic Era University, Dehradun- India** **Sept' 08 to Oct' 11**
 - ⇒ Worked as a **Senior Lecturer** with **Gayatri College of Biomedical Science, Dehradun, India** **Sept' 05 to Aug' 08**
 - ⇒ Worked as a **Visiting Faculty** with **FRI (Autonomous body of Govt. of India), Dehradun, India** **Nov' 05 to Oct' 06**
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MEMBERSHIP OF EDUCATIONAL SOCIETIES/SCIENTIFIC SOCIETIES:

- Honorary Fellow Member (F.I.C.C.E) of International Congress of Chemistry & Environment, Indore, India
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THESIS SUPERVISION:

- *Ph.D* - (Thesis awarded) - 3

▪ Ongoing	-	2 (from Graphic Era University, India)
<i>M.Phil</i>	-	2
<i>M.Sc. thesis</i>	-	21

Ongoing Research projects:

1. (As principal Investigator) Utilization of two common Ethiopian weeds *Lantana camera* and *Parthenium hysterophorus* for nanoparticle synthesis and their application (**Code No ICA 03/2011**)
2. As Co – principal Investigator: Novel waste plastic Nano Composite for Asphalt Pavement: Development and Performance Assessment (**Code No ICA 05/2011**)

Ongoing M.Sc. Thesis supervision

- (i) Green Synthesis, Characterization, antibacterial and antioxidant activity of Silver Nano particles synthesized using leaf extract of *Justicia schimperiana* (as Advisor)
- (ii) Formulation and evaluation of herbal shampoo using extract of plants from Ethiopia (as Advisor)
- (iii) Green synthesis of gold nanoparticles from *D. abyssinical* leave extracts and their microbial activities (Co-Advisor)

EXAMINER-SHIP:

- Appointed as an **External Examiner** in the practical examination of *B.Sc. (MLT) II* by H. N. B. Garhwal University (Central University), Srinagar in the year 2016.
- Appointed as an **External Examiner** in the practical examination of *M.Sc. (Pharmaceutical Chemistry)* by H. N. B. Garhwal University (Central University), Srinagar in the year 2009.
- Appointed as an **External Examiner** in the practical examination of *B.Sc. (MLT) II, III year* by H. N. B. Garhwal University (central university), Srinagar in the year 2009 and 2011.
- Appointed as an **Internal Examiner/ chairman** to evaluate postgraduate *M.Sc. thesis/project of M.Sc. Chemistry* student from the year 2012 - 2015 in Haramaya University, Ethiopia.

Conference/ Guest lectures organized:

Organizing Secretary of National conference on **Recent Trend in Green Chemistry and Sustainability**, sponsored by DST and UCOST on **22-23** March 2017 in Graphic Era University, Dehradun.

Guest lecturer organized of Dr. Anuj Kumar Chandel, Lead Scientist- Cellulosic ethanol, Sugarcane Technology Centre, Brazil. He delivered a lecture on **“Cellulosic ethanol production at Industrial scale: Key insights and technical challenges”** on Jan 18, 2017.

Convener of the National Seminar on **Advances In Natural Products Chemistry and Sustainable Development**, June 4 -5, 2011, sponsored by UCOST in Graphic Era University, Dehradun.

Training/Workshop attended

- Attended five days (11-15 Sept 2017) hands on Training on **Advances in Applications of Nanotechnology** organized ICAR-CIRCOT, Mumbai.
- Participated in National workshop on **small Molecule Analysis by NMR & Mass spectrometry** from 21st – 23rd September, 2016, at Sophisticated Analytical Instrument Facility, organized by CDRI, Lucknow.
- Participated in three days training on **Physical Methods for Characterization of Nanomaterial** held at Haramaya

University, Dire Dawa, Ethiopia, 12-13 May, 2013.

- Participated one week training on Gas Chromatographic Analysis Advanced Training Institute Chhenai.

Publications: Book Chapter

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BOOK CHAPTER:

- **Rakesh K. Bachheti**, Rocktotpal Konwarh, Vartika Gupta, Azamal Husen, and Archana Joshi. (2019) "Green Synthesis of Iron Oxide Nanoparticles: Cutting Edge Technology and Multifaceted Applications." In *Nanomaterials and Plant Potential*, pp. 239-259. Springer, Cham
- Archana Bachheti, Ashutosh Sharma, **R.K.Bachheti**, Azamal Husen, D.P Pandey. (2019) *Plant Allelochemicals and Their Various Applications*. In: Merillon JM., Ramawat K. (eds) *Co-Evolution of Secondary Metabolites*. Reference Series in Phytochemistry. Springer, Cham
- Archana Joshi, Ashutosh Sharma, **Rakesh Kumar Bachheti**, Azamal Husen, and Vinod Kumar Mishra (2019). "Plant-Mediated Synthesis of Copper Oxide Nanoparticles and Their Biological Applications." In *Nanomaterials and Plant Potential*, pp. 221-237. Springer, Cham
- Husen, Azamal, Qazi Inamur Rahman, Muhammad Iqbal, Mansur Osman Yassin, and **Rakesh Kumar Bachheti** (2019). "Plant-Mediated Fabrication of Gold Nanoparticles and Their Applications." In *Nanomaterials and Plant Potential*, pp. 71-110. Springer, Cham
- Chlorophyll: Structure, Function and Medicinal Uses, Hua Le and Elisa Salcedo, Eds., Nova Science Publishers, Inc., Hauppauge - ISBN 978-1-62100-015-0
- Vinod Kumar Mishra, **R. K. Bachheti**, and Azamal Husen (2012) "Medicinal uses of chlorophyll: a critical overview." *Chlorophyll: Structure, function and medicinal uses*. Hauppauge: Nova Science Publishers 177-196.

Research Article/Review

- Latika Bhatia, Ashutosh Sharma, **Rakesh K. Bachheti** & Anuj K. Chandel (2019): Lignocellulose derived functional oligosaccharides: production, properties, and health benefits, *Preparative Biochemistry and Biotechnology*, DOI: 10.1080/10826068.2019.1608446
- Semwal, Prabhakar, Sakshi Painuli, Himani Badoni, and **Rakesh K. Bachheti** (2018). Screening of phytoconstituents and antibacterial activity of leaves and bark of *Quercus leucotrichophora* A. Camus from Uttarakhand Himalaya. *Clinical Phytoscience* 4(1): 30
- Pramod RAWAT, **R.K Bachheti**, N KUMAR, and N RAI, (2018). Phytochemical analysis and evaluation of in vitro immunomodulatory activity of *Rhododendron arboreum* LEAVES. *Phytochemical Analysis*, 11(8).
- **R.K. Bachheti**, I. Rai, V.K. Mishra and A. Joshi(2018). Antioxidant potential and antimicrobial properties of seed oil of *Datura metel* has been accepted for publication in, *Journal of Environmental Biology*, 39(2), 182-188.
- Pramod Rawat & Nishant Rai & Naveen Kumar & **R. K. Bachheti** (2017). Review on *Rhododendron arboreum* - a magical tree *Orient Pharm Exp Med*, 17(4), 297-308.
- Mahesh Chandra , Om Prakash, Ravendra Kumar, **Rakesh Kumar Bachheti**, Brij Bhushan , Mahesh Kumar and Anil Kumar Pant (2017) β -Selinene-Rich Essential Oils from the Parts of *Callicarpa macrophylla* and their Antioxidant and Pharmacological Activities, *Medicines* , 4, 52; doi:10.3390/medicines4030052
- **R. K. Bachheti**, C. K. Saini, Archana Joshi and R. S. Satyan (2016).A review on phytochemical, biological screening and importance of Wild Apricot (*Prunus armeniaca* L.)*Oriental Pharmacy and Experimental Medicine*.16(1), 1–15.
- Archana Joshi, Ashutosh Sharma, **R. K. Bachheti** and D. P. Pandey (2016). A comparative study of the

chemical composition of the essential oil from *Eucalyptus globulus* growing in Dehradun (India) and around the world. *Oriental journal of chemistry*.32 (1), 331-340. DOI : <http://dx.doi.org/10.13005/ojc/320137>

- M Chandra, O Prakash, **R.K. Bachheti**, M Kumar, AK Pant (2016).Essential Oil Composition, Phenolic Constituents, Antioxidant and Pharmacological Activities of *Thymus linearis* Benth. Collected from Uttarakhand Region of India, *Journal of Essential Oil Bearing Plants*(Taylor & Francis), 19:2, 277-289, DOI: 10.1080/0972060X.2014.935070
- G Solomon, D Aman, **R.K. Bachheti** (2016).Fatty acids, metal composition, nutritional value and physicochemical parameters of *Lepidium sativium* seed oil collected from Ethiopia. *International Food Research Journal* 23 (2), 827-831
- Temesgen Hailu, **R. K. Bachheti**, Aman Dekebo (2016) Phytochemical analysis and antimicrobial activity of *Senna didymobotrya* seed extracts. *Der Pharma Chemica*, 8(1):111-16.
- **R.K. Bachheti** (2015). Chemical composition and antibacterial activity of the essential oil from the leaves of *Eucalyptus globulus* collected from Haramaya University, Ethiopia. *Der Pharma Chemica*, 7(2):209-214.
- **R.K.Bachheti**, Indra Rai, Archana Joshi and R. S. Satyan (2015).Chemical composition and antimicrobial activity of *Hyptis suaveolens* Poit. seed oil from Uttarakhand State, India. *Oriental Pharmacy and Experimental Medicine*, 15:141–146 DOI:10.1007/s13596-015-0184-8.
- Mahesh Chandra, Om Prakash, Himanshu Punetha, BrijBhushan, **Rakesh Kumar Bachheti**, Mashesh Kumar and Anil Kumar Pant (2015).An analgesic and anti-inflammatory activity of hydro-alcoholic leaves Extracts of some indigenous herbs growing in Uttarakhand, India. *International Journal of Institutional Pharmacy and Life Sciences*, 5(2), 116-123.
- Archana Joshi, Ashutosh Sharma, D. P. Pandey and **R. K. Bachheti** (2015). Physico-chemical properties of *Perilla frutescens* seeds. *Der Pharma Chemica*, 7(5):35-41.
- **R.K. Bachheti**, Sajad Yousuf, R.G.Sharma, Archana Joshi, Abhishek Mathur (2014) Screening of *Viola patrinii* for antioxidant potential and presence of phytochemicals. *International Journal of ChemTech Research.*, 6(4), 2316–2322.
- **R.K.Bachheti**, Archana Joshi and Tofik Ahmed (2014). A Phytopharmacological overview on *Perilla frutescens*. *International Journal of Pharmaceutical sciences Review and Research*. 26(2), 55-61.
- Sajad Yousuf, **R.K. Bachheti**, Archana Joshi and Abhishek Mathur (2014). Antioxidant activity of different extracts of *Valeriana hardwickii*. *Int. J. Pharm. Sci. Rev. Res.*, 24(2); 48, 297-301.
- Sajad Yousuf, **R.K. Bachheti**, Archana Joshi and Abhishek Mathur(2014).Evaluation of antioxidant potential and phytochemicals of *Morina longifolia*. *Int J. Pharm Sci*. 6(6), 208-12.
- **RK Bachheti**,A Sharma, I Rai, A Joshi and R Mamgain (2013). Fatty acid composition and elemental analysis of seed oil of *Tectona grandis* collected from Dehradun, Uttarakhand, India. *International Journal of ChemTech Research*. 4(3), 1119-1123.
- A.Sharma and **RK Bachheti** (2013). A Review on *Ipomoea carnea*. *International Journal of Pharma and Bio sciences*. 4(4), 363–377.
- S Yousuf, **RK Bachheti** and A Joshi (2013). Screening of extracts of *Valeriana hardwickii* for their antibacterial activity. *International Journal of Pharm Tech Research*. 5(2), 679-683.
- Rai Indra, **RK Bachheti** and J Archana (2013). Chemical composition, mineral and nutritional value of wild *Bischofia javanica* seed. *International Food Research Journal*. 20 (4), 1747-1751.
- Rai Indra, **RK Bachheti** and J Archana (2013). Chemical composition, mineral and nutritional value of *Datura metel* seed. *International Journal of Pharma and Bio sciences*. 4(4), 429 – 436.
- M Chandra, O Prakash, **RK Bachheti**, M Kumar and AK Pant (2013). Essential oil composition and pharmacological activities of *Micromeria biflora* (Buch.-Ham. Ex D. Don) Benth. Collected from Uttarakhand region of India. *Journal of Medicinal Plants Research*.7(35), 2538-2544..DOI: 10.5897/JMPR2013.5069
- **RK Bachheti**, GS Rawat, A Joshi and DP Pandey (2013).Phytochemical investigation of aerial parts of *Canna indica* collected from Uttarakhand, India. *International Journal of PharmTech Research*. 5(2), 294-300.
- AEyasu, OP Yadav and **RK Bachheti** (2013). Photocatalytic Degradation of Methyl Orange Dye using Cr-doped ZnS Nanoparticles under Visible Radiation. *International Journal of ChemTech Research*. 5(4), 1452-1461.
- Indra Rai, **R.K. Bachheti**, Archana Joshi and D.P. Pandey (2013). Physicochemical properties and elemental

analysis of some non-cultivated seed oils collected from Garhwal region, Uttarakhand (India). *International Journal of chemTech Research*. 5(1) 232-236.

- Archana Joshi, P. K. Singhal and **R. K. Bachheti (2012)**. Oil content variation and physico-chemical properties of *Jatropha curcus* seed oil collected from Kumaun region of Uttarakhand, India. *Int. J. Chem. Sci*, 10 (4)1951- 1958.
- **R.K. Bachheti**, Rai I, Joshi A and Rana V (2012).Physico-chemical study of seed oil of *Prunus armeniaca* L. grown in Garhwal region (India) and its comparison with some conventional food oils. *International Food Research Journal*, 19(2): 577-581.
- **R.K. Bachheti**, Dwivedi H, Rana V, Rai I and Joshi A (2012).Characterization of fatty acid in *Melia Azedarach* L. seed oil. *International Journal of Current Research and Review*, 4 (3)108-114.
- **R.K. Bachheti**, Rai I, Joshi A, Pandey D.P and Sharma A (2012). Physico- chemical and elemental analysis of ash of some medicinal plants from Garhwal region, Uttarakhand, India By atomic absorption spectrophotometer(AAS). *International Journal of Pharmacy and Pharmaceutical Sciences*, 4(4) 359 -362.
- **R.K. Bachheti**, Rai I, kumarA, Joshi A and Aschale M (2012). Development and comparison of an HPTLC, HPLC and LC-MS for determination of tetracycline antibiotics. *International Journal of Applied Biology and Pharmaceutical Technology*, 3 (2) 44 - 49.
- S Yousuf, **R.K. Bachheti**, Joshi A and Bhat M (2012). Comparative analysis of in vitro antibacterial activity of extracts of *Viola patrinii* on pathogenic microorganism. *International Journal of research in Pharmaceutical Sciences*, 3(3), 432-435.
- Singh R, **R.K. Bachheti**, Saraswat S and Singh SK (2012). Assessment of Phytochemical and Biological Potentials of *Bauhinia variegata* L. *International Journal of Pharmaceutical Research*, (1). 95-100.
- Rana, V, **R.K. Bachheti**, Chand T and Barman A (2011). Dietary fiber and human health. *Int. J. Food Safety, Nutrition and Public Health*, Vol. 4, Nos. 2/3/4.
- **Bachheti R.K.** Pandey DP, Joshi A, Rana V and Rai I (2011).Phytochemical analysis of aerial Parts of *Ixora paviflora*. *International journal of chemTech Research* Vol. 3(3)1028-1032.
- S. Yousuf, **R. K.Bachheti**, Joshi A and Bhat M (2011). In vitro antibacterial screening of different extracts of *Morina longifolia* on pathogenic microorganisms. *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol 3(4) 303-306.
- **R.K. Bachheti**, Joshi A and Singh A (2011).Oil content variation and antimicrobial activityof Eucalyptus leaves oils of three different species of Dehradun, Uttarakhand, India. *International journal of ChemTech Research*, 3(2) 625-628.
- D.P. Pandey, D.P. Nautiyal, M.A. Rather and **R.K. Bachheti (2011)**.A New Aryl naphthalide Lignan from *Justicia prostrata* Gamble. *Asian Journal of Chemistry*, 23(5) 2125-2127.
- D.P. Pandey, M. A. Rather, D.P. Nautiyal and **R.K. Bachheti (2011)**. Phytochemical analysis of *Abutilon indicum*. *International Journal of ChemTech Research*, 3 (2) 642-645.
- D. Kholiya and**R.K. Bachheti (2011)**. Economic Utilization of Pine Litter Waste for Generating White Coal Energy and Vermicompost Bio-Resources in Uttarakhand. *International Transactions in Applied Sciences*, 3(3). 3473-490.
- A. Joshi, Singhal, P and **R.K. Bachheti (2011)**. Physicochemical characterization of seed oil of *Jatropha curcas* collected from Dehradun (Uttarakhand) India. *International Journal ofApplied Biology and Pharmaceutical Technology*, 2(2) 123-127.
- **R.K. Bachheti**, Pandey DP, Joshi A and Rana V (2011). Chemical Analysis of Aerial Partsof *Justiciagendarussa*. *International journal of chemTech Research*. 3(1) 244-247.
- D.P. Pandey, Karnatak K B, Singh R.P, Rather M. A, **R.K. Bachheti** and Chand S (2010). Phytochemical analysis of *Tamrix gallica*. *International journal of PharmaTech Research*, 2(4) 2340-2342.
- A Joshi, H B Vasistha, **R. K. Bachheti (2010)**. Nutrient returns through litter fall in age series of rehabilitated limestone mined areas of Mussoorie hills. *Environment Conservation Journal*, 10(3) 113-116.
- S Yousuf, **R. K. Bachheti** and Rana V (2010). Anti-diabetic activity of *Argyrolobium roseum*. *Universities Journal of Phytochemistry and Ayurvedic Heights*, 1(7)19-22.
- V Rana and **R. K. Bachheti (2009)**. Seed Galactomannans: A natural source of industrial potential,

International Transaction in Applied Science, 2(4) 667–680.

- **R.K. Bachheti**, Pandey DP and Joshi A (2009). Iridoids from aerial parts of *Ixora arborea*. *International Transaction in Applied Science*, 1(3) 349-358.
 - **R.K. Bachheti**, Pandey DP, Joshi A and Sajad Yousuf (2009). Comparative Analysis of different detoxification protocols used to detoxify acidic hydrolyzate obtained from lignocellulosic Agricultural residue. *Universities journal of Phytochemistry and Ayurvedic Heights*, 2 (6) 47- 52.
 - **R.K. Bachheti**, Pandey DP and Joshi A (2009). Chemical Analysis of Aerial Parts of *Justicia gendarussa*. *Universities Journal of Phytochemistry and Ayurvedic Heights*. 2(5)39-44.
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RESEARCH PUBLICATIONS IN SEMINARS/CONFERENCES:

1. R.K. Bachheti (2017). “**Green synthesis of silver nanoparticles from seed extract of *Albizia lebbek* and their characterization**” paper presented in 2nd International World Research Journals Congress, Bangkok, Thailand on 26th - 28 June, 2017.
2. Presented a paper “Proximate chemical analysis of *Parthenium hysterophorus* and its Pretreatment to obtain fermentable sugar” on 6th International Congress of Chemistry and Environment on 27th - 29th May, 2011 at Malaysia
3. Archana Joshi, **R.K. Bachheti**, Pankaj Singhal, and Deepak Kholiya (2011). “Variation Oil contents and fatty acid composition in *Jatropha curcas* seeds of Dehradun and Haridwar region of Uttarakhand”. National Seminar on Advances in Environmental Science and Technology (Sponsored by University Grants Commission). In Department of Environmental Science & Department of Chemistry Vivekananda College, Thakurpukur, Kolkata.
4. Uday Kumar, **R.K. Bachheti**, Deepak Kholiya and Archana (2010). “Antioxidant activity, physio-chemical and nutritional properties of a wonder kalpvriksha *Diplokema butyraceae*(cheura) seed oil” paper presented in 5th Uttarakhand State Science and Medicine and Pharmaceutical Science (Category 1) Oral Research Paper presentation
5. Sajad Yousuf, **R.K. Bachheti**, and Abhishek Mathur (2010). “*Morina longifolia* as a potent Antimicrobial agent against some Pathogens” Paper/Abstract published in proceeding of 5th Uttarakhand State Science and Technology Congress, November, 10-12 Doon University 2010
6. Pankaj kumar, **R. K. Bachheti** and Rajat Singh (2009). “Phytochemical analysis and antibacterial activity of *Juniperus communis*. Abstract published in proceeding of 4th Uttarakhand State Science and Technology Congress, Pantnagar, November, 10-12, 2009
7. **R. K. Bachheti** and Archana Joshi (2008). “Acid hydrolysis of agricultural residue and their detoxification”. Abstract published in proceeding. Of 3rd Uttarakhand Science Congress, November, 08, IIT, Roorkee, 2008.
8. **R. K. Bachheti**, D. Prasad and G.S. Rawat (2007). “Iridoids and flavonoid from aerial parts of *Ixora arborea* published in proceeding of 2nd Uttarakhand state Science held in Nainital on 11th -12th December.
9. D. Prasad **and R.K. Bachheti** (2006) “Chemical Constituents from aerial parts of *Ixora arborea* in Paper/Abstract published in proceeding of Conference on natural Products and Biodiversity chemistry and utilization, Nov.2-3 2006, Forest Research Institute, Dehradun
10. Archana Joshi, Madhu Sharma and **Rakesh Bachheti** (2008). “Oil extraction from the seeds of *Jatropha curcus*- As an alternate fuel to save energy” in National seminar on Corporate Social Responsibility”, 5th April, 2008.

CONFERENCES/ SYMPOSIA/ WORKSHOP ATTENDED:

1. 2nd International World Research Journals Congress, Bangkok, Thailand on 26th - 28 June, 2017.
2. National Seminar on "Recent Trends in Green Chemistry and Sustainability" sponsored by DST on 22nd- 23rd March, 2017 at Graphic Era University, Dehradun.
3. Workshop on Innovations and Techniques in Curriculum Development sponsored by NAAC, on 17-18 Feb, 2017 at Graphic Era Hill University, Dehradun.
4. **6th International Congress of Chemistry and Environment on 27th - 29th May, 2011 at Malaysia**
5. **National Seminar on Natural Product Chemistry and Sustainable Development** on 4th-5th June, 2011 at Graphic Era University, Dehradun
6. **Workshop on Food Poisoning Awareness Challenges and Strategies** on March 20th, 2010 at Sai Institute of Paramedical & Allied Sciences, Dehradun.
7. **International conference on Environment and Energy Conservation on 27-28 November' 2009** at Graphic Era University, Dehradun.
8. Symposium on **phytochemistry and Ayurveda Potential and Prospects** on 19 December'2009, at Inder Road, Dehradun
9. Workshop on **Source and Technology Intervention** in Traditional and Rural Crafts on 27-28 August' 2009.
10. Seminar on "**Environmental Quality Assessment and Monitoring**" sponsored by Uttarakhand Environment Protection and Pollution Control Board, organized by Graphic Era University, Dehradun on 5th June, 2010.
11. National Seminar on "**Renewable Energy- Emerging Technologies and its challenges**", sponsored by MNRE at Graphic Era University, Dehradun on August 9-10, 2010.
12. Seminar on trends in "**Instrumental analytical techniques used in petroleum industry**", 7 Sept 2001, at India Institute of Petroleum Dehradun.
13. Workshop on "**Extension support funds Projects**", 19th - 21st Sept' 2001, at Indian Council of Forestry Research and Education, Dehradun
14. Seminar on "**Green, Clean and Closed Loop Systems- Concept And realities**", October 13-14, 2000 at Rajputana Palace Sheraton Palace Road, Jaipur. **Paperex 2003** exhibition held at Pragati Maidan in 3- 5 December, New Delhi
15. Workshop on "**I.P.R. (Intellectual Property Right) awareness**", 19-20 April, 2004 sponsored by M. H. R. D., Govt. of India
16. National Workshop on "**Forests and Water Conservation**", Myths & Realities on 8-10 June, 2004, organized by Forest Research Institute, India
17. Symposium on "**Emerging trends in separation science and technology (SESTEC-2008)**", March 12-14, 2008 at Department of Chemistry, University of Delhi
18. National seminar on "**Traditional knowledge**", 13-14 Aug, 2008 sponsored by World Intellectual Property Organization and Govt. of India in Dehradun.

19. Actively Work as member of organizing committee in National Symposium on Plant Biotechnology **In Vitro Regeneration and cloning Technique** held in Forest Research Institute Dehradun from October 12-14 2006

INTERPERSONAL SKILLS:

- ⇒ Willingness to Learn
- ⇒ Ability to work in a team as a cohesive member
- ⇒ Flexibility

PERSONAL DETAILS:

- ⇒ Marital Status : Married
- ⇒ Sex : Male
- ⇒ Date of Birth : 19th of Aug 1976
- ⇒ Wife : Dr. Archana Bachheti
- ⇒ Languages Known : English, Hindi
- ⇒ Hobbies : Surfing Through the Internet for Various New Technologies

REFERENCES:

- **Prof. S.P.R. Chaurasia**
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- **Dr. Basudev Purohit**
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DECLARATION

I, **Rakesh Kumar Bachheti**, hereby declare that all statements made in this CV are true, complete and correct to best of my knowledge and belief.

Place: Dehradun (India)



(Rakesh Kumar Bachheti)