

# Resume



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## *Dr. (Mrs) Koushalya Dangwal*

### *Teaching Experience: More than 15 years since 2001*

1. **3 years** as Assistant Professor of **Biochemistry and Molecular Genetics** in **M.Sc Biotechnology** course, in the **Dept. of Biotechnology, H.N.B.Garhwal University, Chauras campus, Srinagar, Garhwal.**
2. **More than 12 years** as Associate Professor of **Biochemistry and Molecular Biology** in **M.Sc. Biotechnology** course, in the **Dept. of Biotechnology, Modern Institute of Technology (Affiliated to H. N. B. Garhwal University, Srinagar & Approved by A.I.C.T.E, P.C.I, NCTE), Rishikesh, Uttarakhand-249201.**

### *Educational Qualification: Ph.D.*

1. **Ph.D (2000)** on the topic “**DNA double –strand break repair in the developing germ cells in mouse testis, fractionation of testicular extracts & characterization of the repair activity**” under the supervision of **Prof. Mercy J. Raman** at Cytogenetics Laboratory, **Department of Zoology, Banaras Hindu University, Varanasi, India.**
2. **M.Sc Biochemistry (1993)** from School of Studies in Biochemistry, **Jiwaji University, Gwalior** with **First division (70.0 %).**
3. **B.Sc (1991)** from **Govt. Chhatrasal College, Jiwaji University, Gwalior** with **First division (68.0%).**
4. **H.S.S.C.E (1988)** from **Board of Secondary Education, Madhya Pradesh, Bhopal** with **First division (78.3%).**
5. **High School (1986)** from **Govt. Girls H.S. Arang, Raipur, with Second division (58.0%).**

### *Research Experience: 15 years*

1. **3 Years** at Department of Zoology, Chauras campus, **H.N.B. Garhwal University, Srinagar, Garhwal.**
2. **12 years** at Department of Biotechnology, Modern Institute of Technology, Dhalwala, Rishikesh till date.
3. **Total No. of Ph.D. (Biotechnology) Students: 5** (2 awarded and 3 pursuing (Registered in Uttarakhand Technical University, Dehradun Uttarakhand).
4. **No. of M. Phil (Biotechnology) students: 4** (2 from Periyar Univeristy, Tamil Nadu and 2 from Vinayaka Mission University, Tamil Nadu).

5. No. of M. Sc (Biotechnology) Dissertations: 26 (2 at Department of Zoology, Chauras campus, H.N.B. Garhwal University, Srinagar, Garhwal in year 2003 and 24 M. Sc (Biotechnology) at Department of Biotechnology, Modern Institute of Technology, Dhalwala, Rishikesh since year 2006.

**Research Projects: 2 completed, 1 running**

1. Principal Investigator of the Department of Science and Technology New Delhi funded (DST) funded R&D project (SR/SO/BB-0068/2012) “A probe into the Biodegradation Pathway for the High-Molecular Weight Polycyclic Aromatic Hydrocarbons (HMW-PAHs) by *Bacillus subtilis* BMT4i (MTCC 9447)” Rs. 24,00000/- (2013-2016).
2. Principal Investigator of the Uttarakhand State Biotechnology Department (USBD) funded R&D project No: 798/Guard-7/K.Dangwal/ R&D /Rishikesh/ Sept.12. “Systematic screening of fourteen wild edible fruits of Uttarakhand for antitumor, antiaging, skin lightening and antioxidant agents.” (for Rs. 6,03000/-) (2012-2014)
3. Principal Investigator of Uttarakhand Council of Science & Technology funded project entitled “Biodegradation of a Potent Carcinogen Benzo [a] Pyrene (BaP) by Bacteria isolated from Automobile Contaminated Soil of hilly regions of Uttarakhand” (for 4,32,800) (2007-2009).

**Membership: 03**

1. Life Membership of **Society of Biological Chemists (SBC)**, Indian Institute of Science (IISc), Bangalore, India under registration No. 3377/2014.
2. Life Membership of **Association of Microbiologists of India (AMI)**, New Delhi, India; Life Membership No.-4456-2016\* w.e.f. EL2014
3. Life Membership of **Indian Society of Cell Biologists (ISCB)**, Varanasi, India (as Ms Koushalya Sharma). Membership no 1995033

**Awards & Achievements :**

1. **Junior Research Fellowship** from **University Grant Commission (UGC)**, New Delhi, Govt.of India.
2. **Senior Research Fellowship** from **University Grant Commission (UGC)**, New Delhi, Govt.of India.
3. **GATE-93** (Graduate Aptitude Test in Engineering, General Sciences, 1993) with **Percentile 89.0**.
4. **Second Position** in **Jiwaji University** in **M.Sc. Biochemistry, 1993**.
5. **First Position** in Govt. Chhatrasal College, Jiwaji University in **B.Sc, 1991**.

**Book Co-author: 1**

1. Madhuri Kaushish Lily, Veena Garg, **Koushalya Dangwal, (2011): Biodegradation of Benzo-a-pyrene (BaP) by *Bacillus subtilis* BMT4i (MTCC 9447): Isolation, Identification of BaP Degrading Bacteria & Characterization of BaP Degradation Activity. LAP LAMBERT Academic Publishing GmbH & Co. KG. Dudweiler Landstr. 9966123 Saarbrücken, Germany. ISBN 948-3-8443-2455-6**

**Book Chapters: 6**

1. **Koushalya Dangwal (2015):** Application of Genetic Engineering in Fungal Biotechnology (Chapter 14). pp 185-202. Biotechnology: An Overview edited by Rajan Kumar Gupta, Nasim Akhtar and Deepak Vyas, **Daya Publishing House, New Delhi. ISBN 978-81-7035.**
2. Bahuguna Ashutosh, Lily Madhuri Kaushish, **Dangwal Koushalya (2013):** Application of Bioinformatics in Plant Science (Chapter 11). pp 146-159. Recent Trends in Microbial Biotechnology edited by Padma Singh, **CBS Publishers and Distributors Pvt Ltd., New Delhi. ISBN: 978-81-239-2212-6.**
3. Madhuri Kaushish Lily, Ashutosh Bahuguna, **Koushalya Dangwal (2012):** Molecular and cellular mode of action of bacterial toxins, pp 151-193 Microbial Toxins and toxigenic microbes edited by V.D.Pandey and S K Singh. **Studium Press LLC Houston, USA, ISBN: 1-933699-73-6.**
4. **Koushalya Dangwal (2013)** Biodegradation of a Potent Carcinogen Benzo [a] Pyrene (BaP) by Bacteria isolated from Automobile Contaminated Soil of hilly regions of Uttarakhand. Chapter 8 pp. 19 in Achievements of Research & Development edited by R Dobhal K. Joshi and D.P. Uniyal. UCOST, 06 Vasant Vihar Phase -1 Dehradun.
5. **Koushalya Dangwal, Madhuri Kaushish Lily, Ashutosh Bahuguna (2009)** Biodegradation of Polycyclic Aromatic Hydrocarbons. Phytoremediation and Environmental Biotechnology, Chapter 3, Page No. 82- 112 in Phytoremediation and Environmental Biotechnology edited by P. C. Trivedi, **Pointer Publication, Jaipur, ISBN: 978-81-7132-578-8**
6. Ashutosh Bahuguna, Madhuri K Lily, **Koushalya Dangwal (2009):** *Agrobacterium: A Natural Genetic Engineer*. Chapter 19, Page No. 229-245. Soil Microflora, Rajan Kumar Gupta, Mukesh Kumar, Deepak Vyas, **Daya Publishing House, New Delhi, ISBN: 978-81-7035-597-7.**

<b>Research Publications: 16 ( in last five years)</b>
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1. Himani Singh, Madhuri Kaushish Lily, **Koushalya Dangwal (2016):** Viburnum mullaha D.DON fruit (Indian Cranberry): A Potential Source of Polyphenol with rich antioxidant, anti-elastase, anti-collagenase and anti-tyrosinase activities. International Journal of Food Properties, ISSN: 1094-2912 (Print) 1532-2386 (Online) DOI: 10.1080/10942912.2016.1217878 (Publisher: Taylor & Francis Online) **(Impact factor 1.586)**
2. Himani Singh, M.K.Lily, **K Dangwal (2015)** Evaluation and comparison of polyphenols and bioactivities of wild edible fruits of North-West Himalaya, India. Asian Pac J Trop Dis 2015; 5(11): 888-893. DOI 10.1016/S2222-1808(15)60951. ISSN: 2222-1808 **(Impact factor 1.0)**
3. Jain R, Garg V, **Dangwal K**, Lily M. K **(2013):** Purification and Characterization of Acid Phosphatase from Monocrotophos (MCP) Hydrolyzing *Aspergillus niger* ITCC 7782.10 Isolated from Local Agricultural Field. **Turkish Journal of Biochemistry, 38 (4); 396–402**, ISSN 1303–829X. **(Impact factor = 0.4)**
4. Madhuri Kaushish Lily, Ashutosh Bahuguna, Kamlesh Bhatt and **Koushalya Dangwal (2013):** Degradation of Anthracene by a novel strain *Brachybacterium paraconglomeratum* BMIT637C (MTCC 9445). **International Journal of Environmental Sciences, 3 (4): 1242-1252;** ISSN 0976 – 4402. **(IC value 4.69)**
5. Ritu Saini, Veena Garg, **Koushalya Dangwal, (2013):** Effect of extraction solvents on polyphenolic composition and antioxidant, antiproliferative activities of Himalayan Bayberry (*Myrica esculenta*)

6. Jain R, Garg V, **Dangwal K** and Lily MK (2013) : Comparative purification and characterization of two distinct extracellular monocrotophos hydrolase secreted by *Penicillium aculeatum* and *Fusarium pallidoroseum* isolated from agricultural fields. **Biosci Biotechnol Biochem**, **77 (5) 961-965. (Impact factor = 1.292)**
7. Ritu Saini, **Koushalya Dangwal**, Himani Singh, Veena Garg (2012): Antioxidant and antiproliferative activities of phenolics isolated from fruits of Himalayan yellow raspberry (*Rubus ellipticus*) **J Food Sci Technol** DOI 10.1007/s13197-012-0836-3. (**Impact factor = 1.33**).
8. Ritu Saini, Veena Garg **Koushalya Dangwal** (2012): Comparative study of three wild edible fruits of Uttarakhand for antioxidant, antiproliferative activities and polyphenolic composition , **Int J Pharm Bio Sci**, **3(4) 158 - 167 (Impact factor = 0.67)**.
9. Madhuri Kaushish Lily, Ashutosh Bahuguna, Kamlesh Bhatt and **Koushalya Dangwal** (2012): Production, Partial Purification and Characterization of  $\alpha$ -Amylase from High Molecular Weight Polycyclic Aromatic Hydrocarbons (HMW-PAHs) Degrading *Bacillus subtilis* BMT4i (MTCC 9447). **Turkish Journal of Biochemistry**, **37(4): 463-470. (Impact factor = 0.4)**
10. Madhuri Kaushish Lily, Ashutosh Bahuguna, Kamlesh Bhatt and **Koushalya Dangwal** (2012) Strain improvement of a potent Benzo-a-pyrene (BaP) degrader *Bacillus subtilis* BMT4i (MTCC 9447). **International Journal of Advanced Biotechnology and Research** Vol 3, Issue 2, pp 570-577 (**IC value – 5.09**)
11. Madhuri Kaushish Lily, Ashutosh Bahuguna, Kamlesh Bhatt and **Koushalya Dangwal** (2012) Study of growth kinetics of *Bacillus subtilis* BMT4i (MTCC 9447) using diesel as the sole carbon and energy source. **International Journal of Environmental Sciences**. Volume 3, No 1, pp. 1841-1848 (**IC value 4.69**)
12. Ashutosh Bahuguna, **Madhuri Kaushish Lily**, Koushalya Dangwal, Ashok Munjal, Ravindra Nath Singh (2012): **Degradation of naphthalene by a novel strain *Bacillus licheniformis* (MTCC 9446). *Journal of Pharmacy Research*, Vol 5, No. 3, 1600-1664.**
13. Ashutosh Bahuguna, Madhuri Kaushish Lily, Ashok Munjal, R.N. Singh **Koushalya Dangwal**, (2011): Desulfurization of Dibenzothiophene (DBT) by a novel strain *Lysinibacillus sphaericus* DMT-7 Isolated from Diesel Contaminated Soil. **Journal of Environmental Sciences**, Vol. 23, No. 6, 975-982. (**Impact Factor 2.4**).
14. Bahuguna A, Lily M.K, Munjal. A, Singh. R.N and **Dangwal. K** (2011) A study on the physico - chemical analysis of automobile contaminated soil of Uttarakhand, India, **International Journal of Environmental Science**, Vol 2, No. 2, 380-388. (**IC value 4.69**).
15. Madhuri Kaushish Lily, Ashutosh Bahuguna, **Koushalya Dangwal**, Veena Garg (2010) Optimization of an Inducible Chromosomally Encoded Benzo [a] pyrene (BaP) Degradation Pathway in *Bacillus subtilis* BMT4i (MTCC 9447). **Annals of Microbiology**, **60(1). 51-58. (Impact Factor 1.5)**
16. Madhuri Kaushish Lily, Ashutosh Bahuguna, **Koushalya Dangwal**, Veena Garg (2009): Degradation of Benzo [a] Pyrene by a novel strain *Bacillus subtilis* BMT4i (MTCC 9447). **Brazilian Journal of Microbiology**, **40: 884-892. (Impact Factor 0.896)**.

**Gene Sequences submitted to NCBI GenBank, EMBL & DDBJ:**

1. Madhuri. K. Lily, Ashutosh Bahuguna, **Koushalya Dangwal (2006)**. Two 16S rRNA gene sequences of two novel bacterial strain (*Bacillus subtilis* BMT4i & *Paenibacillus lautus* DMT637) submitted & accepted at **National Centre for Biotechnology Information (NCBI) GenBank, USA, European Molecular Biology Laboratory (EMBL) & DNA Databank of Japan (DDBJ)** under the **Accession numbers: DQ 911347 (*Paenibacillus lautus* DMT637), DQ 911348 (*Bacillus subtilis* BMT4i)**
2. Madhuri. K. Lily, Ashutosh Bahuguna, **Koushalya Dangwal (2007)**. Two 16S rRNA gene sequences of two novel bacterial strain (*Brachybacterium paraconglomeratum* BMIT637C & *Bacillus licheniformis* BMIT5ii) submitted & accepted at **National Centre for Biotechnology Information (NCBI) GenBank, USA, European Molecular Biology Laboratory (EMBL) & DNA Databank of Japan (DDBJ)** under the **Accession numbers: EU125186 (*Brachybacterium paraconglomeratum* BMIT637C), EU125187 (*Bacillus licheniformis* BMIT5ii)**
3. Madhuri. K. Lily, Ashutosh Bahuguna, **Koushalya Dangwal (2008)**. Four bacterial cultures registered in MTCC, IMTECH, Chandigarh, India under the accession no. **MTCC9445, MTCC9446, MTCC9447 and MTCC9448**

**Papers presented in Conferences & Symposia: Total 31: 11 International & 20 National**

1. Attended Conference (**12-13 June 2016**) on National Conference on Biofuel and Bioenergy, Department of chemistry, University of Petroleum and Energy Studies, Dehradun, Uttarakhand.
2. Attended Conference (**18-19 March 2016**) on National Resource Management Avenues and Application (NRMAA), Uttaranchal PG College of Biomedical Science & hospital, Dehradun, Uttarakhand.
3. Attended National Seminar (**28-29 November 2014**) on “Current & Future Scenario of Plant Tissue Culture, Genomics & Bioinformatics” organized by Division of Life Sciences, Shri Guru Ram Rai Institute of Technology & Science, Prem Nagar, Dehradun, Uttarakhand.
4. Himani Singh, Ritu Saini and **Koushalya Dangwal (22-23 March, 2013)**: Antioxidant and antiproliferative activities of phenolics isolated from fruits of Himalayan yellow raspberry (*Rubus ellipticus*). UGC-Sponsored National Conference on “Resource Management & its Sustainable Use” organized by Pt. Lalit Mohan Sharma Government Post Graduate College (an Autonomous Institution), Rishikesh, Uttarakhand.
5. Madhuri K Lily, Ashutosh Bahuguna, Kamlesh Kumar Bhatt, **Koushalya Dangwal (22-23 March, 2013)**: Degradation of Anthracene by a novel strain *Brachybacterium paraconglomeratum* BMIT637C (MTCC 9445). UGC-Sponsored National Conference on “Resource Management & its Sustainable Use” organized by Pt. Lalit Mohan Sharma Government Post Graduate College (an Autonomous Institution), Rishikesh, Uttarakhand.
6. **Koushalya Dangwal**, Madhuri K Lily, Ashutosh Bahuguna, Veena Garg (2008): Biodegradation of carcinogenic Benzo [a] pyrene by a novel strain *Bacillus subtilis* BMT4i (MTCC 9447). Page No. 52. 3<sup>rd</sup> Uttarakhand State Science and Technology Congress, Indian Institute of Technology (IIT), Roorkee, Uttarakhand, India.
7. Ashutosh Bahuguna, Madhuri K Lily, **Koushalya Dangwal**, R. N. Singh, Ashok Munjal (2008): Degradation of Naphthalene by a novel strain *Bacillus licheniformis* BMIT5ii (MTCC 9446).

International Conference on Molecular Biology and Biotechnology (ICMBB), Banasthali University, Rajasthan, India.

8. Madhuri K Lily, Ashutosh Bahuguna, **Koushalya Dangwal**, Veena Garg (2008): Degradation of Anthracene by a novel strain *Brachybacterium paraconglomeratum* BMIT637C (MTCC 9445). International Conference on Molecular Biology and Biotechnology (ICMBB), Banasthali University, Rajasthan, India.
9. Ashutosh Bahuguna, Madhuri Kaushish Lily, Ravindra Nath Singh, **Koushalya Dangwal** (2007): Biodegradation of Naphthalene by a Bacterium Isolated from Automobile Contaminated Soil. Seminar on “New strides in Microbiology, Biochemistry, Biotechnology & Agriculture sciences”, Doon (PG) Paramedical Institute, Dehradun, India.
10. Madhuri Kaushish Lily, Ashutosh Bahuguna, **Koushalya Dangwal** (2007): Degradation of Anthracene by a Bacterium Isolated from Automobile Contaminated Soil. Seminar on “New strides in Microbiology, Biochemistry, Biotechnology & Agriculture sciences”, Doon (PG) Paramedical Institute, Dehradun, India.
11. Bahuguna Ashutosh, Lily Madhuri Kaushish, Singh Ravindra Nath, Munjal Ashok, **Dangwal Koushalya** (2007): Efficient Desulfurization of Dibenzothiophene (DBT) By A Novel Bacterium. 5<sup>th</sup> National Conference on Indian Association of Applied Microbiologist on Emerging Trends & Evolving Technologies in Applied Microbiology, Sri Sankara Art & Science College, Kancheepuram, Tamilnaduon, India.
12. Lily Madhuri Kaushish, Bahuguna Ashutosh, Garg Veena, **Dangwal Koushalya** (2007): Efficient Degradation of Benzo-a-Pyrene (BaP) By A Novel Bacterium. 5<sup>th</sup> National Conference on Indian Association of Applied Microbiologist on Emerging Trends & Evolving Technologies in Applied Microbiology, Sri Sankara Art & Science College, Kancheepuram, Tamilnaduon, India.
13. Bahuguna Ashutosh, Lily K. Madhuri, **Dangwal Koushalya**, Munjal Ashok, Singh N. Ravindra (2006): Isolation & Characterization of a Dibenzothiophene desulfurizing Bacterium. 75<sup>th</sup> SBC annual meeting, Jawaharlal Nehru University (JNU), New Delhi, India.
14. Lily K. Madhuri, Bahuguna Ashutosh, **Dangwal Koushalya**, Garg Veena (2006): Isolation & Characterization of a Benzo-a-Pyrene (BaP) Degrading Bacterium. 75<sup>th</sup> SBC annual meeting, Jawaharlal Nehru University (JNU), New Delhi, India.
15. Bahuguna Ashutosh, Lily Madhuri Kaushish, Singh Ravindra Nath, Munjal Ashok, **Dangwal Koushalya** (2006): Isolation & characterization of a bacterium capable of desulfurizing Dibenzothiophene (DBT). 2<sup>nd</sup> “Global Sustainable Biotech Congress”, Rajiv Gandhi Biotechnology Centre, R.T.M. Nagpur University, Nagpur, India.
16. Lily Madhuri Kaushish, Bahuguna Ashutosh, Garg Veena, **Dangwal Koushalya** (2006): Isolation & characterization of a bacterium capable of degrading a potent carcinogen, Benzo-a-Pyrene (BaP). 2<sup>nd</sup> “Global Sustainable Biotech Congress”, Rajiv Gandhi Biotechnology Centre, R.T.M. Nagpur University, Nagpur, India.
17. Bahuguna Ashutosh, Lily Madhuri Kaushish, Singh Ravindra Nath, Munjal Ashok, **Dangwal Koushalya** (2006): Desulfurization of Dibenzothiophene (DBT) by a bacterium isolated from automobile contaminated soil. 4<sup>th</sup> International Symposium Biocontrol & Biotechnology (BCBT)-2006, Lady Doak College, Madurai Kamraj University, Madurai, Tamilnaduon, India.
18. Lily Madhuri Kaushish, Bahuguna Ashutosh, Garg Veena, **Dangwal Koushalya** (2006): Degradation of a potent carcinogen, Benzo-a-Pyrene (BaP) by a bacterium isolated from automobile contaminated

soil. 4th International Symposium Biocontrol & Biotechnology (BCBT)-2006, Lady Doak College, Madurai Kamraj University, Madurai, Tamilnaduon, India.

19. Ashutosh Bahuguna, Madhuri. K. Lily, Milli Arora, **Koushalya Dangwal** (2006): Biodesulfurization of Dibenzothiophene, A major source of sulfur dioxide pollution by a *Paenibacillus lautus* DMT637 isolated from automobile contaminated soil. National Symposium on Plant Biotechnology, Forest Research Institute (FRI), Dehradun, India.
20. Madhuri. K. Lily, Ashutosh Bahuguna, Saurabh .K. Sharma, **Koushalya Dangwal** (2006): Degradation of Benzo-a-Pyrene (BaP), A potent carcinogen by *Bacillus subtilis* BMT-4i, isolated from automobile contaminated soil. National Symposium on Plant Biotechnology, Forest Research Institute (FRI), Dehradun, India.
21. Ashutosh Bahuguna, Madhuri. K. Lily, Milli Arora, **Koushalya Dangwal** (2006): Isolation & characterization of Dibenzothiophene (DBT) desulfurizing bacterium. National Biotechnology Conference, Indian Institute of Technology (IIT), Roorkee, India.
22. Madhuri. K. Lily, Ashutosh Bahuguna, Saurabh .K. Sharma, **Koushalya Dangwal** (2006): Isolation & characterization of Benzo-a- Pyrene (BaP) degrading bacterium. National Biotechnology Conference, Indian Institute of Technology (IIT), Roorkee, India. (**Awarded first Rank**)
23. **K Sharma** & MJ Raman (2000): Fractionation of mouse testicular extracts & partial purification of DNA end- joining activity. XXIV All India Cell Biology Conference, Jawaharlal Nehru University. New Delhi, pp-108
24. **K Sharma** & MJ Raman (1999): Spermatocytes are more efficient in DNA double- strand break joining than spermatogonia, spermatids & sperm. XXIII All India Cell Biology Conference, Center for Cellular & Molecular Biology, Hyderabad, pp-45.
25. Raman MJ, B Mohapatra, Sathees CR & **K Sharma** (1995): Radiosensitivity & DNA damage processing in differentiating germ cells. Symposium on chromosomal & molecular basis of genetic analysis, BHU, Varanasi, pp-18.
26. MJ Raman, CR Sathees & **K Sharma** (1998): DNA double-strand break repair in mouse male germ cells. International Conference on Radiation Biology: DNA damage, Repair & carcinogenesis & Indo-German Satellite Symposium on Molecular Biology of Radiation damage & Repair. Northern- Eastern University, Shillong, pp-70.
27. **K Sharma** & MJ Raman (1998): Partial Purification of a DNA end -joining activity from mouse testicular cells. International Symposium on Biology in the 21<sup>st</sup> century & XXI All India Cell Biology Conference, Indian Institute of Science, Bangalore.
28. **Koushalya Sharma** & MJ Raman (1997): Demonstration of homologous DNA repairing by protein in mouse testicular cell- bfree extract by PAGE- POM assay. XX All India Cell Biology Conference & Symposia, Cancer Research Institute, Mumbai, pp-33.
29. **Koushalya Sharma** & MJ Raman (1995): Estimation of X-ray induced DNA strand breaks in isolated male germ cells of mouse. Symposium on chromosomal & molecular basis of genetic analysis, BHU, Varanasi, pp-18.
30. Sathees CR, **Koushalya Sharma** & MJ Raman (1995): A cell free repair system to characterize DNA damage processing in male germ cells. National Botanical Research Institute, XVIII All India Cell Biology Conference & Symposia, Lucknow.
31. **Koushalya Sharma** & MJ Raman (1997): Demonstration of homologous DNA repairing by protein in mouse testicular cell- free extract by PAGE- POM assay. XX All India Cell Biology Conference & Symposia, Cancer Research Institute, Mumbai, pp-33.

***Personal Profile:***

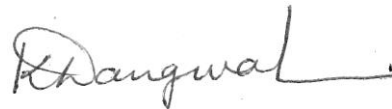
**Date of Birth** : 04-07-1971  
**Father's Name** : Shri. P.D.Sharma  
**Husband's Name** : Mr. Ashutosh Dangwal  
**Permanent Address** : MIG-44, Avas Vikas Colony, Rishikesh,  
Uttaranchal-249201  
**Corresponding Address** : MIG-44, Avas Vikas Colony, Rishikesh  
Uttaranchal-249201  
**Phone no.** : 0135-2436702, 09897839590  
**Nationality** : Indian  
**Sex & Marital Status** : Female & married  
**Languages known** : English, Hindi

**Declaration**

I hereby state that information furnished above is true to the best of my knowledge & belief.

**Place: Rishikesh**

**Date: 24/09/2016**



**(Dr. (Mrs) Koushalya Dangwal)**