

Dr. Pracheta

Assistant Professor
Department Bioscience and Biotechnology
Banasthali Vidyapith, Banasthali,
Rajasthan- 304022, India
E-mail : pracheta.25@gmail.com
Ph. (M): +91-9352381260



Area of Interest

Toxicology, Cancer Biology and Ethnobotany

Work Experience: Research and Teaching

- **Ph.D. in Biotechnology, Banasthali Vidyapith** (July 2009- 22 Dec 2013): Awarded on 12 March 2014 under the supervision of Prof. Veena Sharma.
- **Project Fellow in UGC major project** entitled “*In vivo* evaluation of therapeutic approaches of *Euphorbia neriifolia* Linn. and *Moringa oleifera* Lam. in regulation of biochemical and histological alterations against carcinogenic agents induced intoxication” at Dept. of Bioscience & Biotechnology at Banasthali Vidyapith. (May 2012- March 2013)
- MSc. Thesis: 6 months from MIET, Meerut. (Jan 2008-June 2008)
- Teaching Experience: Working as a lecturer in Dept. of Bioscience & Biotechnology at Banasthali Vidyapith (Aug 2013- 8th MAY 2015).
Working as an Assistant Professor in Dept. of Bioscience & Biotechnology at Banasthali Vidyapith (9th MAY 2015-contnue).
- NSS: Worked as NSS Programme Officer at Banasthali Vidyapith (July 2014- March 2017)
- **Radio Talks:**
 1. Live Telecast on Radio Banasthali FM-90.4 on “Human health” (2016).

Academic Profile

Doctor of Philosophy [Biotechnology; 2014] **Banasthali University, Rajasthan**

- Thesis entitled “Evaluation of Antioxidant Properties and Chemo-Preventive Potential of *Euphorbia neriifolia* Linn. in Male Mice Subjected to N-Nitrosodiethylamine (DENA)”.

Master of Science [2008] **C.C.S. University, Meerut**

- Master’s Degree in Biotechnology with **75%** marks from **M.I.E.T College, Meerut**.
- Thesis entitled “Heavy Metal Tolerance on Plants: “To evaluate the effect of Lead nitrate on nutrition, physical as well as chemical properties on Lobia Plant (*Vigna unguiculata*)”. (6 months)

Bachelor of Science [2006] **C.C.S. University, Meerut**

- Bachelor’s Degree in Zoology, Botany, and Chemistry with **68%** marks from **Meerut College, Meerut**.

Certificate Course (2012-2013) **Banasthali University, Rajasthan**

- German Language certificate course with **76%** marks from Banasthali University, Rajasthan.

Courses Taught till now

- UG & PG: Animal Physiology; Animal histology; Animal biotechnology; Zoology; Cellular Molecular biology and genetics; Biotechnology, Plant Physiology and Ecology; Algae, Fungi, Bryophyte, Pteridophyta and Gymnosperms; Taxonomy and Evolution; Biostatistics, Bioinformatics and Bioinstrumentation; Plant Pathology; Comparative anatomy and embryology etc.
- Practical's of Biochemistry, Biotechnology, Botany, Ecology, Plant Physiology and Animal Physiology
- Practical's of M.Sc. Biotechnology and AMBT

Book published/ Chapter in Book

- Pracheta Janmeda, Sunanda Kulshrestha. Ovarian Cancer: Possible Treatments: Possible mechanisms of different treatments to combat Ovarian Cancer. Scholar's Press, OmniScriptum publishing group, Mauritius, July 2018. pp. 1-116. ISBN: 978-3-639-71213-1
- Tripathi R, Pracheta. Socio-economic Impact of Ichthyo-diversity in Present Scenario. Water Biology. Edited by: Dr. D.R. Khanna; Dr. Rakesh Bhutiani ISBN: 978-93-5056-888-0 Edition: 2018 Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India) 126-133.
- Pracheta and Vinay Sharma. Effect of lead nitrate on *Vigna unguiculata*. LAP Lambert Academic Publishing, Germany. Jan, 2015 ISBN: 978-3-659-66619-3

Research and Review Article published

Year 2019

1. **Pracheta Janmeda**, Sharma SH, Sharma V. Curative effect of isolated flavonoid and *Euphorbia neriifolia* extract on hepatocarcinoma induced by N-Nitrosodiethylamine in albino mice. *Biochemical Cellular Archives*. Oct 2019.
2. Prakash A, **Janmeda P**, Pathak P, Bhatt S, Sharma V. Development and standardization of quality control parameters of different parts of *Trianthema portulacastrum*. L". SN Applied Sciences (2019) 1:1108.

Submitted

3. Alian Désiré Afagnigni, Maximilienne Ascension Nyegue, Vinay Sharma and François-Xavier Etoa, **Pracheta Janmeda**. Phytochemical screening and chromatography studies of *Dissotis multiflora* (Sm) Triana (Melastomataceae) and *Paullinia pinnata* Linn (Sapindaceae) leaves extracts. **3 D Biotech**
4. **Pracheta Janmeda**, Sunanda Kulshrestha, Divya Jain. Leucorrhoea: a less altered gynecological disorder.
5. Alian Désiré Afagnigni, Maximilienne Ascension Nyegue, **Pracheta Janmeda**, Vinay Sharma and François-Xavier Etoa. Mechanisms of antibacterial action of the ethanolic leaves extracts of *Dissotis multiflora* (Sm) Triana and *Paullinia pinnata* Linn against *Escherichia coli*. Evidence-Based Complementary and Alternative Medicine
6. Divya Jain, Navendra Uniyal, Debasis Mitra and **Pracheta Janmeda**. Traditional resources and use of aromatic and ethno-medicinal plants in Utrakhand: compliment of nature. Indian Journal of Traditional Knowledge

7. Anand Prakash, Divya Jain, Rashmi Tripathi and Pracheta*. Pharmacognostical analysis of different parts of *Cyperus rotundus* Linn. Plant Science Today.

Year 2017

8. Sharma V, **Janmeda P.** Extraction, isolation and identification of novel flavonoid from *Euphorbia neriifolia* (Linn.) leaves. *Arabian Journal of Chemistry*, 2017, 10(4): 509-514. doi:10.1016/j.arabjc.2014.08.019. [IF: 2.969]
9. **Pracheta**, Kulshrestha S and Tripathi R. Traditional uses of medicinal plants of Summer Hill, Shimla. *World Journal of Pharmacy and Pharmaceutical Sciences*, 2017, 6(9): 826-843 (IF: 7.421) (ISBN: 2278-4357)
10. **Pracheta**, Sunanda Kulshrestha, Arun Kumar Sharma. Medicinal plants used to combat a major gynecological challenge: Ovarian cyst. *International Journal for Environmental Rehabilitation and Conservation*, 2017, 2: 22-34 (ISBN: 0975 – 6272)

Year 2015

11. **Pracheta**, V Sharma, V Sharma. Effect of *Euphorbia Neriifolia* Leaf Extract on DENA-Induced Oxidative Stress in Kidney. The 10th India Japan Bilateral Conference Proceedings of BICON2015 Vol.II on Applied Science for Advancement of Research and Industrialization. pp:46-49; September 22, 2015 (ISBN: 978-93-83462-79-7)

Year 2014

12. Sharma V, **Janmeda P.** Protective assessment of *Euphorbia neriifolia* and its isolated flavonoid against N-Nitrosodiethylamine-induced hepatic carcinogenesis in male mice: a histopathological analysis. *Toxicology International*, 2014, 21(1):56-62. (NAAS 5.23)
13. Sharma V, Chaudhary U, Singh R, **Janmeda P.** Evaluation of quantitative and antioxidant activity of *Achyranthes aspera* roots and inflorescences. *Asian Journal of Pharmaceutics*, 2014, 8(1):1-7. [IF: 0.460]

Year 2013- Research Articles

14. Sharma V, **Pracheta**. Microscopic studies and preliminary pharmacognostical evaluation of *Euphorbia neriifolia* (Linn.) leaves. *Indian Journal of Natural Product Resources*, 2013, 4(4): 348-357.
15. Sharma V, **Pracheta**. Anti-carcinogenic potential of *Euphorbia neriifolia* leaves and isolated flavonoid against N-Nitrosodiethylamine induced renal-carcinogenesis in mice. *Indian J of Biochemistry and Biophysics*, 2013, 50, 521-528. [IF: 0.958]
16. Sharma V, **Janmeda P.** Chemopreventive role of *Euphorbia neriifolia* (Linn.) and its isolated flavonoid against N-nitrosodiethylamine-induced renal histopathological damage in mice. *Toxicology International*. 2013, 20(1): 101-107. [NAAS 5.23]
17. Sharma V, **Janmeda P.** Chromatography fingerprinting profile studies on the flavonoids of *Euphorbia neriifolia* (Linn.) leaves. *International Journal of Drug Development and Research*, 2013, 5(1): 286-296. [IF: 0.5]

Review

18. Singh L, **Janmeda P**, Kumar Y. Anti-Alzheimer therapeutic potential of traditional Chinese Herbs, herb formulations and their integration with modern therapeutic research. *Internationale Pharmaceutica Sciencia*, 2013, 3(2): 27-37. [ICV: 4.82]

Year 2012- Research Articles

19. Sharma V, Sharma S, **Pracheta**. Protective effects of *Withania somnifera* on Hemato-serological parameters in male mice subjected to lead nitrate. *Indian J of Biochemistry and Biophysics*, 2012, 49:458-462. [IF: 0.958] (ISBN: 0975-0959)
20. Sharma V, Singh P, Sharma N, **Pracheta**, Paliwal R. Study of epidemiology of HPV infection in the uterine cervix of women's in Delhi / NCR regions, India. *International Journal of Drug Development and Research*, 2012, 4(1): 94-98. [IF: 0.5]
21. Sharma V, **Pracheta**, Paliwal R, Singh L, Sharma C, Sharma SH. Elucidation of analgesic activity of hydro-ethanolic extract of *Euphorbia neriifolia* leaves in Swiss albino mice. *Journal of Plant Development Sciences*, 2012, 4(2): 183-189. [NASS: 4.57]
22. Sharma V, Paliwal R, **Janmeda P**, Sharma SH. Chemopreventive efficacy of *Moringa oleifera* pods against 7-12 dimethylbenzene[a]anthracene induced hepatic carcinogenesis in mice. *Asian Pacific Journal of Cancer Prevention*, 2012, 13(6): 2563-2569. [IF: 2.39]
23. Sharma V, Paliwal R, **Janmeda P**, Sharma SH. Renoprotective efficacy of *Moringa oleifera* pods on xenobiotic enzymes and antioxidant status against 7-12 dimethylbenzene[a]anthracene exposed mice. *Journal of Chinese Integrative Medicine*, 2012, 10(10): 1171-1178. [IF: 1.367]
24. Sharma V, **Janmeda P**, Paliwal R, Sharma SH. Antihepatotoxic activity of *Euphorbia neriifolia* on xenobiotic enzymes and biochemical status against N-Nitrosodiethylamine induced-hepatocarcinogenesis in mice. *Journal of Chinese Integrative Medicine*, 2012, 10(11): 1303-1309. [IF: 1.367]
25. Sharma V, Paliwal R, **Pracheta**, Sharma SH. Antinociceptive and analgesic effects of hydro-ethanol extract from *Moringa oleifera* pods in Swiss albino mice. *Internationale Pharmaceutica Scientia*, 2012, 2 (3): 54-61. [ICV: 4.82]
26. Sharma V, Paliwal R, **Pracheta**, Singh M, Sharma SH. Protective effect of *Rubia cordifolia* root extract in the regulation of lead nitrate induced oxidative stress in mice. *Journal of Environment and Bioscience*, 2012, 26(2): 23-26. [NASS: 4.43]

Reviews

27. Singh L, **Pracheta**, Sharma V, Paliwal R. Bio-prospecting anti-carcinogenic potential of plants in Rajasthan, India. *Journal of Plant Development Sciences*, 2012, 4(1): 115-123. [NASS: 4.57]
28. Singh L, **Pracheta**. Functional foods and Health Concerns-Trends, Hopes and Opportunities in Indian Context. *Biochemical Cellular Archives*, 2012, 12(2): 207-236. [NAAS: 4.46]
29. Sharma V, **Janmeda P**, Singh L. N-Nitrosodiethylamine and carcinogenicity: An Over review. *International Journal for Environmental Rehabilitation & Conservation*, 2012, 3(1): 56-67. [0.72]
30. Singh L, **Pracheta**. Cancer: Plant based chemoprevention and therapy: an Overview. *Biochemical Cellular Archives*, 2012, 12(1): 1-20. [NAAS: 4.46]
31. Yadav S, **Janmeda P**, Paliwal R. Data and product dossier requirements in selected countries: A comparative analysis. *Pharma Bio World*, 2012, 32-35.

Year 2011- Research Articles

32. **Pracheta**, Sharma V, Paliwal R, Sharma S. *In vitro* free radical scavenging and antioxidant potential of ethanolic extract of *Euphorbia neriifolia* Linn. *International Journal of Pharmacy and Pharmaceutical Sciences* 2011, 3(1), 238-242. [IF: 2.029]

33. **Pracheta**, Sharma V, Paliwal R, Sharma S. Preliminary phytochemical screening and in vitro antioxidant potential of hydro-ethanolic extract of *Euphorbia nerifolia* Linn. *International Journal of PharmTech Research*, 2011 3(1):124-132. [IF: 0.66] (ISBN:2455-9563)
34. **Pracheta**, Sharma V, Paliwal R, Sharma S, Singh L, Janmeda BS, Yadav S, Sharma SH. Chemo-protective activity of hydro-ethanolic extract of *Euphorbia nerifolia* Linn leaves against DENA-induced liver carcinogenesis in mice. *Biology and Medicine*, 2011, 3(2) Special Issue: 36-44.
35. **Janmeda P**, Sharma V, Singh L, Paliwal R, Sharma S, Yadav S. Chemopreventive effect of hydro-ethanolic extract of *Euphorbia nerifolia* leaves against DENA-induced renal carcinogenesis in mice. *Asian Pacific J Cancer Prev*, 2011 12(3): 677-683. [IF: 2.52] (ISBN:1513-7368)
36. Sharma V, Sharma S, **Pracheta**, Sharma SH. Therapeutic potential of hydro-methanolic root extract of *Withania somnifera* on neurological parameters in Swiss albino mice subjected to lead nitrate. *International Journal of Current Pharmaceutical Research*, 2011, 3(2): 52-56. [IF:4.510]
37. Sharma V, Sharma S, **Pracheta**, Paliwal R. Therapeutic efficacy of *Withania somnifera* root extract in the regulation of lead nitrate induced nephrotoxicity in Swiss albino mice. *Journal of Pharmacy Research*, 2011 4(3): 755-758. [IF: 2.97] (ISBN: 0974-6943)
38. Sharma V, Sharma S, **Pracheta**, Sharma SH. Lead induced hepatotoxicity in male Swiss albino mice: The protective potential of the hydro-methanolic extract of *Withania somnifera*. *International Journal of Pharmaceutical Sciences Review and Research*, 2011 7(2): 116-121. [IF: 0.65] (ISBN: 0976-044X)
39. Sharma V, Paliwal R, **Pracheta**, Sharma S. Phytochemical analysis and evaluation of antioxidant activities of hydro-ethanolic extracts of *Moringa oleifera* lam. Pods. *Journal of Pharmacy Research*, 2011, 4(2): 554-557. [IF: 2.97] (ISBN: 0974-6943)
40. Paliwal R, Sharma V, **Pracheta**, Sharma S. Elucidation of free radical scavenging and antioxidant activity of aqueous and hydro-ethanolic extracts of *Moringa oleifera* pods. *Research Journal of Pharmacy and Technology*, 2011 4(4):566-571. ICV: 5.01 (ISBN: 0974-3618)
41. Paliwal R, Sharma V, **Pracheta**, Sharma S, Yadav S, Sharma SH. Antinephrotoxic effect of administration of *Moringa oleifera* Lam in amelioration of DMBA-induced renal carcinogenesis in Swiss albino mice. *Biology and medicine*, 2011 3(2) Special Issue: 27-35. [IF: 1.44]
42. Paliwal R, Sharma V, **Pracheta**, Sharma SH. Hepatoprotective and antioxidant potential of *Moringa oleifera* pods against DMBA-induced hepatocarcinogenesis in male mice. *International Journal of Drug Development and Research*, 2011 3(2): 128-138. [IF: 1.95] (ISBN: 0975-9344)
43. Sharma V, **Pracheta**, Paliwal R, Singh L, Sharma V, Sharma SH. Anticarcinogenic potential of *Euphorbia nerifolia* leaves against N-Nitrosodiethylamine-induced nephrotoxicity in mice. *Biochemical and Cellular Archives*, 2011, 11(2): 393-398. [NAAS: 4.46]
44. Sharma V, Sharma C, **Pracheta**, Paliwal R, Sharma SH. Protective potential of *Curcuma longa* and *Curcumin* on Aflatoxin B1 induced hepatotoxicity in Swiss albino mice. *Asian Journal of Pharmaceutical and Health Sciences*, 2011, 1(3): 116-122. (ISBN: 2231- 2331)

45. Sharma V, Sharma C, **Pracheta**, Paliwal R, Sharma SH. Ameliorative effects of *Curcuma longa* and *Curcumin* on aflatoxin B1 induced serological and biochemical changes in kidney of male mice. *Asian Journal of Biochemical and Pharmaceutical Research*, 2011 2(1): 338-351. (ISBN: :2231-2560)

Reviews

46. Sharma V, Sharma S, **Pracheta**, Paliwal R. *Withania somnifera*: A rejuvenating ayurvedic medicinal herb for the treatment of various human ailments. *International Journal of PharmTech Research*, 2011, 3(1): 187-192. [IF: 0.66] (ISBN: 2455-9563)
47. Sharma V, **Janmeda P**, Singh L. A Review on *Euphorbia neriifolia* (Sehund). *Spatulla DD*, 2011, 1(2): 107-111. (ISBN: 1309-9914)
48. Paliwal R, Sharma V, **Pracheta**. A Review on Horse Radish Tree (*Moringa oleifera*): A multipurpose tree with high economic and commercial importance. *Asian Journal of Biotechnology*, 2011 3(4): 317-328. (ISBN: 1996-0700)
49. Sharma S, Sharma V, Paliwal R, **Pracheta**. Lead toxicity, oxidative damage and health implications. A Review. *International Journal for Biotechnology and Molecular Biology Research*, 2011, 2(13): 215–221. (ISBN: 2141-2154)

Year 2010 - Research Article

50. Singh L, **Pracheta**, Kumar Y. Role of platelets in human health wound healing and repair of sports injuries. *Biochemical Cellular Archives*, 2010, 10(1): 47-50. [NAAS: 4.46] (ISBN: 0972-5075)

Year 2009- Research Article

51. **Pracheta**, Singh M, Singh L. Effect of Lead nitrate- $Pb(NO_3)_2$ on plant nutrition, as well as physical and chemical properties of *Lobia* (*Vigna unguiculata* Linn. Walp.). *Journal of Plant development Sciences*, 2009, 1(1&2): 49-56. NAAS: 4.57 (ISBN: 0974-6382)

Dissertation students (Project: 6 months)

M.Sc. DBT Dissertation (Six months)

1. Pallavi Mudgal: Investigating the pharmacological role of nanoparticles synthesized from *Chenopodium murale*. (Dec 2018- June 2019)
2. Rashmi Upadhyay: Evaluation of antioxidant properties and isolation of flavonoid from *Cyperus rotundus* Linn. (Dec 2018- June 2019)
3. Nidhi Varshney: Phytochemical screening, In-Vitro antioxidant activity and study of comparative methods for secondary metabolites extraction from *Cyperus Rotundus* L.(2018)

M.Sc. Animal Science Literature Dissertation (Six Months)

4. A Comprehensive Literature Review on “Anticancer potential of Snake Venom” (2017)
5. A Comprehensive Literature Review on “Therapeutic potential of birds feather” (2017)
6. A Comprehensive Literature Review on “Ovarian Cyst: An elicitor of Many Gynecological Disorders” (2016)

7. A Comprehensive Literature Review on “Leucorrhoea- Gynaecological problem” (2016)
8. A Comprehensive Literature Review on “Promising Treatments For Ovarian Cancer” (2016)
9. A Comprehensive Literature Review on “The Prevention and Treatment Of Gallbladder Disease: Gallstone” (2015)
10. A Comprehensive Literature Review on “Risk factor, Complication, Prevention and Treatment of Arthritis” (2015)
11. A Comprehensive Literature Review on “Therapeutic Nano-particles Promise Novel Agents For Breast Cancer Treatment” (2015)

Participation in Orientation, Short-Term/ Training Programs/Workshops/Certificate Programs

1. Awarded “A” grade in **Orientation Programme** (OP-122) held from 09.05.2016- to 04.06.2016, UGC-Human Resource Development Centre, H.P. University, Shimla.
2. Awarded “A” grade in **National Workshop** on "Emerging Sophisticated Analytical Techniques” (ESAT - 2017) on November 1 – 21, 2017 at Faculty Development Centre, Banasthali Vidyapith, Banasthali, Newai, Rajasthan.
3. Awarded “A” grade in **Refresher Course** on "Advanced Interdisciplinary Teaching & Research Methodologies (AITRM-2019), on February 10, 2019 to March 02, 2019 by Faculty Development Centre (Under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Technology, MHRD, Government of India), at Department of Physics, Banasthali Vidyapith, Banasthali, Newai, Rajasthan.

International workshop

4. 3rd Asian workshop on “Genomics & Community genetics” at Shri Guru Ram Rai Institute of medical & health Sciences, Dehradun, on November 19-25, 2011.

National workshop

5. National Workshop on “Biological Databases and Data Mining Approaches” Sponsored by DBT on 18-20 December, 2010, Organized by Centre for Bioinformatics, Department of Bioscience and Biotechnology, Banasthali University, Rajasthan.
6. National Workshop on “Applications of Bioinformatics with Special Focus on Genomics” Sponsored by DBT on 17-19 Feb, 2012, Organized by Centre For Bioinformatics, Department of Bioscience and Biotechnology, Banasthali University, Rajasthan-304022.
7. National workshop on “Techniques in biotechnology and molecular biology-Analysis of biological molecules” from 20th to 25th Jan 2014, sponsored by DST-CURIE and organized by department of biochemistry, biotechnology and bioinformatics, Avinashilingam Women University, Coimbatore, Tamil Nadu. (6 days)
8. DBT Sponsored NATIONAL WORKSHOP on “In Silico Genome and Proteome Analysis” organized by Centre for Bioinformatics, Department of Bioscience and Biotechnology, Banasthali University, Rajasthan on March 8-10, 2014.

9. National Workshop on Technological Empowerment of Women organized by the National Academy of Sciences, India (NASI) on March 14-15, 2016.
10. Participated in the National Workshop on “**Protein Structure Prediction and Function Analysis**”, organized by Centre for Bioinformatics, Department of Bioscience & Biotechnology, Banasthali University, Banasthali-304022, Rajasthan, from 2nd to 4th Mar, 2017

Conferences and Symposiums

International Conferences: 7; National conferences: 2; International Symposium: 2, National symposium: 3; National seminars: 4

International Conferences

11. World Congress for Man and Nature (WCMANU-2011) on “Global Climate Change and Biodiversity Conservation” held at Department of Zoology, Grukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India on 11-13th November, 2011.
12. 3rd International Conference on Stem Cells and Cancer (ICSCC-2012): Proliferation, Differentiation, and Apoptosis, held at Dr. RML Hospital, New Delhi, India, 27 - 30 October, 2012.
13. Global Cancer Conference and Medicare Summit-2014 HICC, Hyderabad. Recent Advances in functional genomics in drug discovery and development. Hyderabad, India, 15-17 sep 2014.
14. The 10th India Japan Bilateral Conference (ISBN: 978-93-83462-79-7) on Applied Science for Advancement of Research and Industrialization. at Biyani’s group of girl’s colleges, Jaipur on September 21-23, 2015.
15. 2nd International conference on “ New challenges in Biotechnology and Molecular Biology in the context of 21st century (NCBMBCC), organized by Indian Society of genetics, Biotechnology Research and Development , Agra, India, Feb, 27-29, 2016.
16. 7th international conference on Stem Cells and Cancer (ICSCC-2016): Proliferation, Differentiation, and Apoptosis, held at Goa, India from 21st to 23rd October, 2016.
17. 104th Indian Science Congress to be hosted by SV University, Tirupati from 3-7 January 2017

National conferences

18. ISCA Banasthali Chapter- Indian Science Congress Association-Centenary Year celebration-Science for Shaping the future of India-“Meeting the Challenges of water & Energy” held at Banasthali University on 24-25th August 2012.
19. National conference cum workshop on innovations in Cellular and Molecular Diagnosis- A New Era of Prognosis organized by Central Molecular research Laboratory (CMRL), Department of Biochemistry from 2-3rd Dec 2016.

International Symposium

20. 5th Indo-Japan International Symposium on Innovative Molecular Approaches in Global Health Research at Biyani’s group of girl’s colleges, Jaipur on 20th-21st September, 2010.
21. International symposium on “Intellectual & development disabilities” organized by Gov. Doon Hospital, Latika Roy foundation and SGRRIMHS, Dehradun on 22nd Nov, 2011.

National symposium

22. 1st Annual National Symposium of the Muslim Association for the Advancement of Science at Department of Zoology, Aligarh Muslim University, Aligarh, on 23rd-24th October, 2010. Theme: *Frontiers in Life Sciences: Basic and Applied*.
23. National Symposium “New Biotechnology Tools for the Diagnosis of Tuberculosis” on World TB Day (March 24th, 2011) at NBe Institute, Muradnagar, U.P.
24. National Symposium on Biomarkers in Health and Disease: Bench to Bed Side, Biochemistry Department, SGRR Institute of Medical and Health Sciences, Dehradun, 3-4 July, 2013.

National seminars

25. National Seminar on Apoptosis- Recent Developments organized by Meerut Institute of Engineering and Technology, Meerut on 10 February, 2007.
26. National Seminar on New Strides in microbiology, Biochemistry, biotechnology and agriculture Science” at ONGC Community Centre on 3-4 February, 2007 conducted by Doon (PG) Paramedical College and Hospital and Doon (PG) College of Agriculture Science and Technology, Dehradun (U.A.), India.
27. National seminar & Science modal exhibition on “Innovations in Science & Technology for inclusive Development” organized by Dr. B. Lal Institute of Biotechnology & ISCA on 16th and 17th Jan, 2014.
28. National Seminar on Instrumentation and Characterization Techniques (DST-CURIE sponsored): “Two days to observe, experiment and dogle with science” organized by School of physical sciences, Banasthali Vidyapith, Banasthali (Raj.) from 22-23rd Dec, 2016.

Abstracts Published

-
- **Pracheta**, Sharma V, Paliwal R, Sharma S, Yadav S, Sharma SH. Chemoprotective Activity of Hydro-Ethanollic Extract of *Euphorbia neriifolia* Linn Leaves against DENA-Induced Liver Carcinogenesis in Mice. “Frontiers in Life Sciences: Basic and Applied”. Oct 2010, pp 27.
 - Sharma V, Paliwal R, **Pracheta**, Sharma SH. Antinephrotoxic Effect of Administration of *Moringa oleifera* Lam In Amelioration of DMBA-Induced Renal Carcinogenesis in Swiss Albino Mice. “Frontiers in Life Sciences: Basic and Applied”. Oct 2010, pp 26.
 - Sharma V, **Pracheta**, Paliwal R, Sharma SH. Anticarcinogenic potential of *Euphorbia neriifolia* against N-Nitrosodiethylamine induced Nephrotoxicity in mice. “Global Climate Change and Biodiversity Conservation”. November, 2011.
 - Sharma V, **Pracheta**, Paliwal R, Sharma SH. Attenuation of N-nitrosodiethylamine-induced liver carcinogenesis in mice by *Euphorbia neriifolia*. 3rd International Conference on Stem Cells and Cancer (ICSCC-2012): Proliferation, Differentiation, and Apoptosis, 27 - 30 October, 2012, New Delhi, India.
 - Sharma V, **Pracheta**, Sharma SH. Curative efficacy of *Euphorbia neriifolia* in regulation of biochemical alterations against carcinogenic agent induced intoxication. International Symposium on IITR Lucknow, STOX 2012.
 - Pracheta. Anticancer potential of *Euphorbia neriifolia* leaves and isolated flavonoid against N-nitrosodiethylamine-induced hepatocarcinoma in mice. Global Cancer Conference and Medicare Summit-2014 HICC, Hyderabad, India.

- Pracheta Janmeda. Protective effect of *Euphorbia neriifolia* leaves and its isolated flavonoid against N-nitrosodiethylamine-induced hepato carcinoma in mice. 5th Asia pacific Summit on Cancer Therapy July 20-22, 2015 Brisbane, Australia. J Cancer Sci Ther 2015, 7:6 <http://dx.doi.org/10.4172/1948-5956.S1.048>

Oral Presentations

- Oral paper presentation on “Chemoprotective Activity of Hydro-Ethanollic Extract of *Euphorbia neriifolia* Linn Leaves against DENA-Induced Liver Carcinogenesis In Mice” at **1st Annual National Symposium of the Muslim Association for the Advancement of Science**, at Department of Zoology, Aligarh Muslim University, Aligarh, on 23rd-24th October, 2010.
- Oral paper presentation on “Anticarcinogenic potential of *Euphorbia neriifolia* against N-Nitrosodiethylamine induced Nephrotoxicity in mice” at Ist World Congress for Man and Nature (**WCMANU-2011**) on “**Global Climate Change and Biodiversity Conservation**” held at Department of Zoology, Grukul Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India on 11-13th November, 2011.
- Oral paper presentation on “Attenuation of N-nitrosodiethylamine-induced liver carcinogenesis in mice by *Euphorbia neriifolia*” at **3rd International Conference on Stem Cells and Cancer (ICSCC-2012): Proliferation, Differentiation, and Apoptosis**, 27 - 30 October, 2012, New Delhi, India.
- Oral paper presentation on “Antioxidant Potential of hydro-ethanollic Extract of *Euphorbia neriifolia* Leaves” at National seminar & Science modal exhibition on “Innovations in Science & Technology for inclusive Development” organized by Dr. B. Lal Institute of Biotechnology & ISCA on 16th and 17th Jan, 2014.
- Oral paper presentation on “Anticancer potential of *Euphorbia neriifolia* leaves and isolated flavonoid against N-nitrosodiethylamine-induced hepatocarcinoma in mice. Global Cancer Conference and Medicare Summit-2014 HICC, Hyderabad, India.
- Oral paper presentation on “Effect of *Euphorbia Neriifolia* Leaf Extract On DENA-Induced Oxidative Stress in Kidney”: The 10th India Japan Bilateral Conference (ISBN: 978-93-83462-79-7) on Applied Science for Advancement of Research and Industrilization. at Biyani’s group of girl’s colleges, Jaipur on September 21-23, 2015.
- Oral paper presentation on “**Renoprotective efficacy of *Euphorbia neriifolia* leaves and its isolated flavonoid against N-nitrosodiethylamine induced renal cancer in mice**” in 2nd International conference on “ New challenges in Biotechnology and Molecular Biology in the context of 21st century (NCBMBCC), organized by ISGBRD , Agra, India, Feb, 27-29, 2016.
- Oral paper presentation on “**Therapeutic potential of *Euphorbia neriifolia* (Linn.) and its isolated flavonoid against N-nitrosodiethylamine-induced renal cancer in mice**” in 7th international conference on Stem Cells and Cancer (ICSCC-2016): Proliferation, Differentiation, and Apoptosis, held at Goa, India from 21st to 23rd October, 2016.
- Oral presentation on “**Promising Effects of Desert Plant Dotathur against Environmental Carcinogen N-Nitrosodiethylamine**” under Role of Medicinal plants in disease diagnosis in National conference cum workshop on innovations in Cellular and Molecular Diagnosis-A New Era of Prognosis organized by Central Molecular research Laboratory (CMRL), Department of Biochemistry from 2-3rd Dec 2016.

- Oral paper presentation on “Therapeutic potential of *Euphorbia neriifolia* and its isolated flavonoid against N-Nitrosodiethylamine-induced Nephro-carcinogenicity in Swiss albino mice”. MEDICAL SCIENCE (INCLUDING PHYSIOLOGY) 104th Indian Science Congress to be hosted by SV University, Tirupati from 3-7 January 2017.

Poster Presentation

- Poster presentation on “Chemopreventive potential of *Euphorbia neriifolia* against N-nitrosodiethylamine-induced liver cancer in mice ” at **3rd International Conference on Stem Cells and Cancer (ICSCC-2012)**: Proliferation, Differentiation, and Apoptosis, 27 - 30 October, 2012, New Delhi, India.
- Poster presentation on FTIR and NMR spectroscopy in characterization of flavonoids at National Seminar on Instrumentation and Characterization Techniques (DST-CURIE sponsored): organized by School of physical sciences, Banasthali Vidyapith, Banasthali (Raj.) on 22-23rd Dec, 2016.

Invited Lecture

- Invited as a Speaker and delivered lecture on “**Anticarcinogenic activity of *Euphorbia neriifolia* against Environmental carcinogenic agents**”, on National Symposium on Biomarkers in Health and Disease: Bench to Bed Side, Biochemistry Department, SGRR Institute of Medical and Health Sciences, Dehradun, 3-4 July, 2013.
- Invited as a Speaker and delivered lecture on “**Promising treatments for Ovarian cancer**”, on National Conference on RTESGP-2019, 15-16 November, 2019.

Technical Expertise

Instruments used and Techniques applied during Doctoral research

Thin-Layer chromatography, TLC Viewer, High performance thin layer chromatography, Column chromatography, High performance liquid chromatography, Spectrophotometer (UV-VIS), Fourier transform infrared spectroscopy, Electrophoresis and Centrifugation, Light and phase contrast microscope, Muffle furnace, Soxhlet apparatus, Hot-air oven, pH meter and Homogenizer.

Instrument Handled during industrial tenure

Karl-fisher titration, Melting point apparatus, Polari-meter, Conductivity meter, Reverse laminar airflow, Disintegration test apparatus, Hardness tester, Vernier Calipers, Friability tester, fermenter and microtome etc.

Working experience on other techniques:

Microbiology: Media preparation, Handling and maintenance of microbial cultures, Spreading and Sterilization, Basic microbiological techniques for isolation, Purification and Culture, Staining techniques, Pour plating, Preparation of bacterial smear, Measurement of Bacterial growth by turbidometry and Serial dilution technique.

Molecular biology: DNA/RNA and Plasmid DNA isolation, Extraction of DNA from Blood, Restriction digestion, SDS-PAGE, Agarose gel electrophoresis, Gel Electrophoresis.

Immunology: ELISA Test, PCR, Immuno-diffusions, Immuno-electrophoresis

Biochemistry: Protein estimation, Enzymes, Carbohydrate and Cholesterol estimation.

Chromatography: Paper chromatography, TLC, PTLC, HPTLC, Column chromatography and HPLC.

Spectroscopy: FTIR

Biochemical Parameters: Phase I enzymes and LPO, SOD, CAT, GSH, GPx, GST, AST, ALT, ALP, Total protein, Total Cholesterol, urea and creatinine etc.

Isolation of Active ingredients from plants: Soxhlet extraction method, Chromatography, ES, AAS.

Microscopy of plant material: Powder, leaf, root, stem and Bark microscopy of plant parts.

Animal Handling: Worked on Swiss Albino mice (*Mus musculus*): Work includes handling, oral dosing using cannula, giving intravenous, intraperitoneal injections, withdrawing blood from orbital plexus. Analgesic activities and histological/histopathological identification of lung, liver and kidney of Swiss albino mice.

Projects/Trainings/Industrial Experience

- One month training at School of Life Sciences, Jawaharlal Nehru University, New Delhi, from 27th July to 27th August, 2007 on specialization in Laboratory techniques as SDS – PAGE, Sterilization Techniques, Microbiology techniques and Microscopy.
- 45 days training on Recent Techniques of Molecular Biology and Biotechnology including Isolation of RNA, DNA and Plasmid, SDS-PAGE, Disc Electrophoresis, Blotting technique, Ion-Exchange Column Chromatography, TLC, ELISA and PCR technique at Department of Biosciences, D.A.V. College, Muzaffarnagar held from 03 October to 17 November, 2008.
- 3 months training on Molecular Diagnostic Techniques and Project work on “Detection of cervical cancer by hybrid Capture Assay” at Auroprobe Laboratories (ISO 9001:2000 Certified) from April to June 2010.

Statistical Analysis

- Student's t-test (Paired and Independent) ; ANOVA (One-Way and Two-Way)
- Co-relation and regression; Good knowledge using software SPSS (16.0) and Sigma Plot (11.0) and Chemdraw.

Computer Expertise

- Proficiency in operating system of Windows (2007, 2010, XP, Windows VistaTM), Knowledge and working experience in operating & application software: Ms-Office suite, coral Graphics 5 & 11
- Working knowledge of Adobe, Picasa photoshop, and ISIS chemdraw 2.4.

Achievements during Academic Tenure

- Acquisition Associate in *Internationale Pharmaceutica Scientia*.
- Reviewer of some reputed Journals (Pharmaceutical Biology, IPS etc)

Awards and Honors'

1. **Young Scientist Award** at Ist WCMANU-2011 held at Department of Zoology, Grukul Kangri Vishwavidyalaya, Haridwar, on 11-13th Nov, 2011.

2. Awarded **Gold Medal**, 1st prize in for oral paper presentation at Ist WCMANU-2011 on “Global Climate Change and Biodiversity Conservation” held at Department of Zoology, Grukul Kangri Vishwavidyalaya, Haridwar, on 11-13th Nov, 2011.
3. Awarded **Best Prize** for oral presentation at 3rd International Conference on Stem Cells and Cancer (ICSCC-2012): Proliferation, Differentiation, and Apoptosis, 27 - 30 October, 2012, New Delhi, India.
4. **Awarded first prize** for oral paper presentation at National seminar & Science modal exhibition organized by Dr. B. Lal Institute of Biotechnology & ISCA on 16th and 17th Jan, 2014.
 - Awarded **Gold Medal**, 1st prize in for oral paper presentation at National conference cum workshop on innovations in Cellular and Molecular Diagnosis-A New Era of Prognosis organized by Central Molecular research Laboratory (CMRL), Department of Biochemistry from 2-3rd Dec 2016.
5. **Young Scientist award** at **Global Cancer Conference and Medicare Summit-2014** held at HICC, Hyderabad, India, 15-17 Sep 2014.
6. Award of **Meritorious Student** by Liance Club of Bulandshahr, U.P, India (2000).
7. Got **Gold (16) and Silver (12) Medals and Shields** at State and National level in sprint races, long jump and badminton (1996-2001).

Membership in Professional Societies

- Annual Member of Journal of Plant Development Sciences.
- Life time APOCP MEMBER in Asian Pacific Journal of Cancer Prevention (2011-onwards)
- Life time member of Indian Science Congress Association (Membership No.: L 20483).
- Life time member of Human Welfare Society (2002-onwards Reg. No. 1047).

Hobbies

- Reading & collection of **Science & Medical Science literature**.
- Collection of Pre and Post treatment investigational for efficacy and drawbacks evaluation to improve treatment pattern for the welfare of mankind.
- Collection of Medicinal Plants, Insects, polyporous fungi & Stones etc.
- Teaching and Sports.
- Study of the literature of Yoga & Naturopathy.
- Study of Religious literature (Upnishada & Vedas etc.).

Personal Profiles

| | |
|----------------------|----------------------------------|
| Father's Name | : Dr. B. S. Janmeda |
| Mother's Name | : Smt. Vinod Devi |
| Marital Status | : Married |
| Nationality | : Indian |
| D.O.B | : 30 July 1983 |
| Religion | : Hindu |
| Languages K/n | : English, Hindi, Nepali, German |
| Permanent add | :1. Dr. Pracheta |

1724-New Gautam Budha Niwas-II
Banasthali Vidyapith, Banasthali,
Tehsil : Newai, Dist. : Tonk,
Rajasthan-304022
2. C/o Surendra Singh
SINGH's, VPo-Gangroli
Teh-Nadbai, Dis-Bharatpur
Rajasthan 321602, India

DECLARATION

I hereby declare that the all above written particulars are true to the best of my knowledge and belief.

Dr. Pracheta

Place: Banasthali Vidyapith