CURRICULUM VITAE

Name:	**Dr. PREETI BAJPAI**	
Designation:	**ASSOCIATE PROFESSOR**	
School:	**LIFE SCIENCES**	
Department:	**ZOOLOGY**	
Specialisation & Research Interests:	Parasitology Innate Immunbiology, Immunotherapeutics & Immunoinformatics	
Email IDs (Official & Personal)	preetibajpai@mgcub.ac.in; preeti2874@gmail.com	
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ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University / Board
PhD	2007	Central Drug Research Institute, Lucknow
M.Sc.	2000	Lucknow University
B.Sc.	1996	Lucknow University
Intermediate	1992	U.P. Board
High School	1990	U.P. Board

PROFESSIONAL EXPERIENCE:

Organisation/Institute/University	Position Held	Duration
Mahatma Gandhi Central University, Motihari	Associate Professor	Nov, 2019- till date
Integral University, Lucknow	Associate Professor	March, 2015- Nov, 2019
Integral University, Lucknow	Jr. Associate Professor	July, 2012- Feb, 2015
Integral University, Lucknow	Assistant Professor	July 2007- June 2012
Central Drug Research Institute	Senior Research Fellow	April, 2004- March 2007
Central Drug Research Institute	Junior Research Fellow	Jan,2001- March 2004

ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Head of the Department	Dec, 2015- Nov, 2019	Administrative leadership of all the Departmental academic and administrative activities
Member of Faculty Board	March, 2015- Nov,2019	Construction and approval of new course curriculum; Enrichment of existing course curriculum
Member of Proctorial Board	March,2015- Nov,2019	Monitoring of disciplinary activities in university campus
Member of Women Study Center	March 2012- Nov,2019	Organizing workshops and seminars on related topics
Convenor of RDC committee	Dec,2015- Nov, 2019	Organize the RDC and RDSC meetings twice a year for monitoring of quality research

COURSES TAUGHT:

Immunology, Immunotechnology, Animal Biotechnology, Genetics, Animal Sciences, Parasitology, Medical Biotechnology

2. RESEARCH SUPERVISION:

A. Ph.D.:

i.	**Awarded**	**:**	**12**
ii.	**Submitted**	**:**	
iii.	**Ongoing**	**:**	**04**

B. M.Phil.:

i.	**Awarded**	**:**
ii.	**Submitted**	**:**
iii.	**Ongoing**	**:**

C. Non-Degree Oriented (Master's Level Dissertation):

i.	**Awarded**	**:**	**42**
ii.	**Submitted**	**:**	
iii.	**Ongoing**	**:**	

MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

- Membership of the National Academy of Sciences, Allahabad, India.
- Life member of Indian Society of Parasitology, India since 2002.
- Member of the International Society of Exercise Immunology.
- Invited expert for RDSC meeting at Amity University, Lucknow
- Invited expert for RDSC meeting at Shri Ram Swaroop University, Lucknow
- Member of NAAC accreditation peer committee for Criteria III, IQAC, 2015 and 2019.
- Member of Women Study Cell
- Member of Academic Council at Integral University, Lucknow.
- Member of Faculty Board and various departmental committees at Integral University, Lucknow.
- Member of Proctorial Board at Integral University, Lucknow
- Organizing secretary of National Science Day at University campus every year.
- Organizing committee member of International Conference on Biotechnological advancements of Free Radical biology and Medicine in 2015
- Organizing committee member of First Indo-Russian Meet & International Conference on Biotechnological advancements of Free Radical biology and Medicine in 2017

- Session Chair for the Session Chemistry, Pharmacy and Biotechnology Session in International Seminar on Modern Trends in Engineering and Sciences held on August 3, 2017.
- Chairperson of Departmental IQAC since 2015- till date.
- Departmental Website Coordinator since 2015-2018.
- Departmental Placement coordinator since 2015-18.
- Appointed reviewer of various journals of international repute

PUBLICATIONS :

A. BOOKS/MONOGRAPHS:

1. Authored:

Title of Article/Chapter with page No.	**Chief Editor, Book Title, Year**	**ISSN/ISBN No.**	**Publisher**
Water and Lymphatic Filariasis Chapter: 16	P.P. Singh and V. Sharma, Water and Health, 2014	978-81-322-1028-3 (Print) 978-81-322-1029-0	Springer
Genetic Diversity Analysis of Medicinally Important Horticultural Crop Aegle marmelos by ISSR Markers Chapter 14; pages: 195-211	Lucilia Domingues, PCR: Methods and Protocols; Methods in Molecular Biology;vol 1620; 2017	Online ISBN 978-1-4939-7060-5 Print ISBN978-1-4939-7059-9	Springer New York
Exploiting microbial enzymes for augmenting crop production, Enzymes in Food Biotechnology Chapter No. 29 pg: 503-519	Mohammad Kuddus; Enzymes in Food Biotechnology; 2018	ISBN 9780128132814	Elsevier
Endosomal Toll-like receptors: rheostats of inflammation and diseases	Atta-ur-Rehman; Frontiers in Clinical Drug Research-Anti-Allergy Agents; 2018	ISSN no. 2214-6938 ISBN 978-1-60805-719-1 **I**	Bentham Sciences
Insulin Action; Post-Receptor Mechanisms Pg:100-104 doi:10.1016/B978-0-12-801238-3.95802-1	Luciano Martini, Elsevier, New York Encyclopedia of Endocrine Diseases, Second Edition, Volume 1 2018	Published	Elsevier

In Silico Molecular Modelling: Key Technologies in the Drug Discovery Process to Combat Multidrug Resistance	Iqbal Ahmad; Antibacterial Drug Discovery to combat MDR; 2019	ISBN 978-981-13-9871-1	Springer Nature
Approaches towards Microbial Biofilm Disruption by Natural Bioactive Agents/	Biofilms in Human Diseases: Treatment and Control 2019	ISBN 978-3-030-307	Springer

2. **Edited:**

Thematic Issue on title: Innate immune mediators as therapeutic hallmarks for defense or resistance. ISSN no. 1875-533X ; ebook published by Bentham Sciences

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

1. Tewari R., Gupta C.L., Bajpai P. Impelling TLR9: Road to perspective vaccine for Visceral Leishmaniasis Drug Development Research 2020 (Accepted for Publication)
2. Tewari R., Gupta C.L., Singh S., Bajpai P. Repolarization of glioblastoma macrophage cells using non-agonistic Dectin-1 ligand encapsulating TLR-9 agonist: plausible role in regenerative medicine against brain tumor The International Journal of Neuroscience. 2020 (Accepted for Publication)
3. Pandey P, Sayyed U, Tiwari R. K, Shekh R, Siddiqui M H, Mishra K, Kapoor V K, Behari A, **Bajpai P** Jab1-siRNA Induces Cell Growth Inhibition and Cell Cycle Arrest in Gall Bladder Cancer Cells via Targeting Jab1 Signalosome. Anti-Cancer Agents in Medicinal Chemistry. 2019: 19: 1-15
4. Singh A., Ahmad F., **Bajpai P.,** Ansari T.M., Aisha kamal Cyanosomes: A pilot study. Chem. Phys. Lipids 2019: 218: 11-19
5. Gupta C.L., Khan MB, Ampasala DR, Akhtar S, Dwivedi UN, Bajpai P. (2018) Pharmacophore-based virtual screening approach for identification of potent natural modulatory compounds of human Toll-like receptor 7. Journal of Biomolecular Structure & Dynamics 2019; 21:1-16
6. Pandey P, Sayyed U, Tiwari R. K, Shekh R, Siddiqui M H, Mishra K, Kapoor V K, Behari A, Bajpai P Hesperidin Induces ROS-mediated Apoptosis along with Cell cycle Arrest at G2/M phase in Human gall bladder carcinoma Nutrition and Cancer, 2018;71(4): 676-687
7. Pandey P, Sayyed U, Shekh R, Siddiqui M H, Tiwari R. K, Bajpai P Elucidation of the chemopreventive role of stigmasterol against Jab1 in human gallbladder carcinoma Endocirne Metabolic and Immune disorders- Drug targets 2018; 19(6): 826-837
8. Pandey P., Sayyed U., Tewari R., Pathak N., Siddiqui MH., Bajpai P. Anticancer and apoptosis inducing effect of curcumin against gall bladder carcinoma. International Journal of Research in Pharmaceutical Sciences. 2018; 9(1): 68-77.

9. Pandey P., Sayyed U., Tewari R., Bajpai P, Pathak N., Siddiqui MH c-Jun activation domain-binding protein-1 (jab1): advancements towards its role as an emerging therapeutic target in cancer treatment, International Journal of Biology, Pharmacy and Allied Sciences. 2018; 7(1): 49-63.
10. Fatima F, Pathak N, Verma SR, Bajpai P.Toxicity and immunomodulatory efficacy of biosynthesized silver myconanosomes on pathogenic microbes and macrophage cells. Artif Cells Nanomed Biotechnol. 2017 Oct 12:1-9. doi: 10.1080/21691401.2017.1388247
11. Mujeeb F, Bajpai P, Pathak N, Verma SR. Genetic Diversity Analysis of Medicinally Important Horticultural Crop Aegle marmelos by ISSR Markers. Methods Mol Biol. 2017;1620:195-211. doi: 10.1007/978-1-4939-7060-5_14.
12. Fatima F, Verma SR, Pathak N, Bajpai P.Extracellular mycosynthesis of silver nanoparticles and their microbicidal activity.J Glob Antimicrob Resist. 2016 Dec;7:88-92. doi: 10.1016/j.jgar.2016.07.013. Epub 2016 Sep 13
13. Srivastava R, Phatak S, Yadav A, Bajpai P, Aggarwal A. HLA B27 typing in 511 children with juvenile idiopathic arthritis from India.Rheumatol Int. 2016 Oct;36(10):1407-11. doi: 10.1007/s00296-016-3529-9. Epub 2016 Jul 13.
14. Nag JK., Chahar D., Shrivastava N., Gupta CL., **Bajpai P**, Chandra D., Bhattacharya SM. "Functional attributes of evolutionary conserved Arg45 of *Wolbachia* (*Brugia malayi*) Translation Initiation Factor-1". *Future Microbiology. 2016; 11(2): 195-21.*
15. Gupta CL., Akhtar S., Sayeed U, PathakN., **Bajpai P**. "*In silico* analysis of human Toll-like receptor 7 ligand binding domain". Biotechnology and Applied Biochemistry 2016 May: 63(3): 441-50.
16. Fatima F., **Bajpai P**., Pathak N., Singh S., Priya S., Verma SR. Antimicrobial and immunomodulatory efficacy of extracellularly synthesized silver and gold nanoparticles by a novel phosphate solubilizing fungus *Bipolaris tetramera*. BMC Microbiology, 2015 Feb: 15: 52.
17. Gupta CL., Akhtar S, Waye A, Pandey NR., Pathak N.**, Bajpai P**. "Cross talk between *Leishmania donovani* CpG DNA and Toll-like receptor 9: An immunoinformatics approach." Biochemical and Biophysical Research Communications 2015 April 10; 459(3): 424–429.
18. Nag JK, Shrivastava N, Chahar D, Gupta CL, Bajpai P, Misra-Bhattacharya S. Wolbachia transcription elongation factor "Wol GreA" interacts with α2ββ'σ subunits of RNA polymerase through its dimeric C-terminal domain.PLoS Negl Trop Dis. 2014 Jun 19;8(6):e2930. doi: 10.1371/journal.pntd.0002930.
19. Nag JK, Shrivastava N, Tiwari M, Gupta Cl, Bajpai P, Chahar D, Misra-Bhattacharya S. Wolbachia translation initiation factor-1 is copiously expressed by the adult, microfilariae and infective larvae of Brugia malayi and competitively inhibited by tetracycline. Acta Trop. 2014 Oct;138:51-9. doi: 10.1016/j.actatropica.2014.04.033. Epub 2014 Jun 11.
20. Mujeeb F, Bajpai P, Pathak N. Phytochemical evaluation, antimicrobial activity, and determination of bioactive components from leaves of Aegle marmelos. Biomed Res Int. 2014;2014:497606. doi: 10.1155/2014/497606. Epub 2014 May 11.

21. Nigam A, Priya S, Bajpai P, Kumar S. Cytogenomics of hexavalent chromium (Cr 6+) exposed cells: a comprehensive review.Indian J Med Res. 2014 Mar;139(3):349-70. Review.
22. Priya S, Nigam A, Bajpai P, Kumar S. Diethyl maleate inhibits MCA+TPA transformed cell growth via modulation of GSH, MAPK, and cancer pathways. Chem Biol Interact. 2014 Aug 5;219:37-47. doi: 10.1016/j.cbi.2014.04.018. Epub 2014 May 9.
23. Gupta CL, Akhtar S, Kumar N, Ali J, Pathak N, **Bajpai P**. "*In silico* elucidation and inhibition studies of selected phytoligands against Mitogen activated Protein Kinases of protozoan parasites". Interdisciplinary Sciences: Computational Life Sciences (2014) doi: 10.1007/s12539-014-0210-4.
24. Chhedi Lal Gupta, Salman Akhtar, **Preeti Bajpai** "*In silico* protein modeling: possibilities and limitations." EXCLI Journal (2014) 13:513-515.
25. Kumar S, Nigam A, Priya S, Bajpai P, Budhwar R. Lipoic acid prevents Cr(6+) induced cell transformation and the associated genomic dysregulation. Environ Toxicol Pharmacol. 2013 Jul;36(1):182-93. doi: 10.1016/j.etap.2013.02.016. Epub 2013 Mar 14.
26. Priya S, Nigam A, Bajpai P, Kumar S. Dysregulation of pathways involved in the processing of cancer and microenvironment information in MCA + TPA transformed C3H/10T1/2 cells. In Vitro Cell Dev Biol Anim. 2013 Apr;49(4):295-305. doi: 10.1007/s11626-013-9593-5. Epub 2013 Mar 22.
27. Saeed M, Baig MH, Bajpai P, Srivastava AK, Ahmad K, Mustafa H. Predicted binding of certain antifilarial compounds with glutathione-S-transferase of human Filariids. Bioinformation. 2013;9(5):233-7. doi: 10.6026/97320630009233. Epub 2013 Mar 2.
28. Shakya N, Bajpai P, Gupta S. Therapeutic switching in leishmania chemotherapy: a distinct approach towards unsatisfied treatment needs. J Parasit Dis. 2011 Oct;35(2):104-12. Epub 2011 May 20.
29. Khare P, Gupta AK, Gajula PK, Sunkari KY, Jaiswal AK, Das S, Bajpai P, Chakraborty TK, Dube A, Saxena AK. Identification of novel S-adenosyl-L-homocysteine hydrolase inhibitors through homology-model-based virtual screening, synthesis, and biological evaluation. J Chem Inf Model. 2012 Mar 26;52(3):777-91. doi: 10.1021/ci2005862. Epub 2012 Feb 27.
30. Chandra V, Fatima I, Saxena R, Kitchlu S, Sharma S, Hussain MK, Hajela K, Bajpai P, Dwivedi A. Apoptosis induction and inhibition of hyperplasia formation by 2-[piperidinoethoxyphenyl]-3-[4-hydroxyphenyl]-2H-benzo(b)pyran in rat uterus. Am J Obstet Gynecol. 2011 Oct;205(4):362.e1-11. doi: 10.1016/j.ajog.2011.05.024. Epub 2011 May 14.
31. Shakya N, Sane SA, Vishwakarma P, Bajpai P, Gupta S. Improved treatment of visceral leishmaniasis (kala-azar) by using combination of ketoconazole, miltefosine with an immunomodulator-Picroliv. Acta Trop. 2011 Aug;119(2-3):188-93. doi: 10.1016/j.actatropica.2011.05.017. Epub 2011 Jun 7.
32. Shakya S, Bajpai P, Sharma S, Misra-Bhattacharya S. Prior killing of intracellular bacteria Wolbachia reduces inflammatory reactions and improves antifilarial efficacy

of diethylcarbamazine in rodent model of Brugia malayi. Parasitol Res. 2008 Apr;102(5):963-72. doi: 10.1007/s00436-007-0861-8. Epub 2008 Jan 8.

33. Bajpai P, Vedi S, Owais M, Sharma SK, Saxena PN, Misra-Bhattacharya S. Use of liposomized tetracycline in elimination of Wolbachia endobacterium of human lymphatic filariid Brugia malayi in a rodent model. J Drug Target. 2005 Jul;13(6):375-81.
34. Sharma SK, Farah D, Misra-Bhattacharya S, Bajpai P, Agarwal A, Mohammad O. Escheriosome entrapped soluble blood stage antigens impart protective immunity against a multi-drug resistant isolate of Plasmodium yoelii nigeriensis in BALB/c mice. Vaccine. 2006 Feb 13;24(7):948-56. Epub 2005 Aug 31.

Link for complete publications:

https://www.ncbi.nlm.nih.gov/pubmed/?term=Preeti+bajpai

INVITED TALKS:

Title of the Lecture	Title of the Conference/Seminar etc	Organised by
Moringa oleifera phytocompounds aa a potent ligand against Toll like receptors 4: A computational approach	International Conference on Interdisciplinary Advancements in Biochemistry March, 2019	Department of Biochemistry, Dr. Rammanohar Lohia Avadh University, Ayodhya
A nonagonistic Dectin 1 ligand conjugated with TLR9 agonist : a plausible immunoadjuvant vehicle for *Leishmania donovani*	International Symposium on Current Trends in Biological Sciences, 27-28 March, 2018	Department of Zoology, Lucknow University
Antibody Engineering: a boom for immunotherapeutics	Guest Lecture in the Department of Biotechnology, September 2017	S R Group of Institutions
Immunomodulatory properties of *Moringa oleifera* leaves	First Indo Russian Meet and 2nd International Conference on Biotechnological Advancements in Free Radical Biology and Medicine-2017	Department of Biosciences, Integral University
Endosomal Toll Like Receptors: An immunotherapeutic target	International Conference on Biotechnological Advancements in Free Radical Biology and Medicine-2015	Department of Biosciences, Integral University
An immunoinformatics approach towards drug designing	National Conference on Bioengineering and Biotechnology 2014	Department of Biotechnology, Amity University
Evolutionary significance of Toll like receptors	22nd All India Congress of Zoology &	Department of Zoology, University

	National Seminar on Recent Advances in Biological Sciences: Biodiversity and Human December 29-31, 2011.	of Lucknow
Oral Nanovehicles as promising tool for vaccine delivery	DST, Inspire Program, 2011	Department of Biosciences, Integral University
Brugia malayi rodent model: Induction of immunological histopathological reactions by *Wolbachia*, the endosymbiont	3rd Global Meet on Parasitic Diseases January 12-16th, 2004	Bangalore University

RESEARCH PROJECTS *(COMPLETED / ONGOING)*:

1. Chief Coordinator of **DST-FIST** awarded to the Department of Biosciences, Integral University, Lucknow with amount of Rs. 58 lacs in Feb 2018. (Duration 5 years)
2. **Adhoc project entitled "**Nanoreservoirs carrying *Brugia malayi* recombinant proteins as potential vaccine against lymphatic filariasis" in collaboration with CDRI from ICMR, New Delhi, from 1st Feb, 2012-2015.
3. **DST-Woman scientist Award** to Pratibha Pandey in 2015 under the supervision of Dr. Preeti Bajpai. Project Title: Elucidation of Jab1-RNAi role in inducing apoptosis by enhancing p27 expression in gallbladder carcinoma.
4. **DST SERB -Young Scientist Award** in 2015 as Principal Investigator. Project Title: A novel prophylactic approach exploiting innate immune mediators as promising adjuvant for vaccine against Leishmaniasis.
5. **ICMR-SRF Award** in 2004 of Rs. 4.68 lacs for project entitled **"**Studies on the induction of inflammatory and histopathological reactions by Wolbachia, the endosymbiont present in Brugia malayi using murine model" at Division of Parasitology, CDRI, Lucknow.
6. **CSIR-SRF Award** in 2004 of Rs. 4.68 lacs for project entitled **"**Liposomised tetracycline: a novel approach towards combating lymphatic filarisis" at Division of Parasitology, CDRI, Lucknow.

PARTICIPATION & PRESENTATIONS IN SEMINARS/SYMPOSIA/WORKSHOPS/CONFERENCES:

1. Pratibha Pandey, Chhedi Lal Gupta, Uzma Sayyed, Rohit Kumar Tiwari, Neelam Pathak, **Preeti Bajpai** Implication of Jab1 as a Potential Therapeutic Target for Gastrointestinal Cancer. International Conference on Cell Death in Cancer and Toxicology in CSIR-IITR, Lucknow, Feb. 20-22, 2018.
2. Rohit Kumar Tiwari, Uzma Sayyed, Pratibha Pandey, Neelam Pathak and **Preeti Bajpai**. Beta glucan nanoparticles encapsulating *Leishmania donovani* CpG ODN: A plausible prophylactic candidate against Visceral

Leishmaniasis. International Conference on Functional Biology and Molecular Interactions: Applications in Health and Agriculture FBMI, Lucknow University, Dec 20-22, 2017.

3. Pratibha Pandey, Chhedi Lal Gupta, Uzma Sayyed, Rohit Kumar Tiwari, Neelam Pathak, Preeti Bajpai*. Jab1 phytoinhibitors: a novel approach towards targeting Gastrointestinal Cancer. International Conference on Updates in Cancer Prevention and Research, Organized by Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow (February 14–16, 2017).
4. Sharma, D. C., Shukla, R., Sharma, S., **Bajpai, P**., Pathak, N. (2017). *Phoenix sylvestris* leaf extract: An *In-silico* study of alpha amylase inhibition involved in Diabetes. National Seminar on Innovations & Challenges in Basic & Applied Sciences. March 04, 2017 at Maharaja Agrasen University, Solan, Himanchal Pradesh.
5. Gangwar, M.1, Banala, V.T.2, Mishra, P.R.2, Bajpai, P.3, Misra-Bhattacharya, S. Oral formulations of Brugia malayi recombinant proteins elicited profound immune responses in mice against experimental lymphatic filariasis. International Cogress on Immunology 2016 entitled "Immunotherapy harnessing the power of the Immune System" 21-26 Aug; 2016 in Melbourne, Australia.
6. Shukla R, Sharma D.C., Pathak N. and **Bajpai, P.** (2016). 'Phytochemical evaluation of different polarity extracts of *Grewia asiatica* flower and their anti-bacterial efficacy'. Advances in Plant Science Frontier: Development and Environment, At G. F. College, Shahjahanpur (UP), 26th-27th November 2016.
7. **Farina Mujeeb[1],** Ahamad Faiz Khan[2]**,** Uzma Sayyed[1], **Preeti Bajpai[1]**, Neelam Pathak[1] "Assessment of Genetic Diversity in Bael (*Aegle marmelos*) Varieties/Accessions using RAPD and ISSR Markers" and poster presentation in the International Congress on Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security (ICPASN) held from November 10th-12th, 2016.
8. Sharma, D. C., Shukla, R., Sharma, S., **Bajpai, P.,** Pathak, N. (2016). A correlative study of total phenolic and flavonoids content of *Phoenix sylvestris* fruit responsible for free radical scavenging activity. Advances in Plant Science Frontier: Development and Environment, At G. F. College, Shahjahanpur (UP), 26th-27th November 2016.
9. **Farina Mujeeb,** Ahamad Faiz Khan**, Preeti Bajpai** and Neelam Pathak **"**Phytochemical Evaluation, Antioxidant Activity and Cell viability determination of *Aegle marmelos* (Bael) leaf extract" and also presented a poster in the International Conference on "Emerging Trends in Biomedical sciences" (ETBS-2016) held from 6th-8th March 2016.
10. Sharma, D. C., Shukla, R., Sharma, S., **Bajpai, P.,** Pathak, N. (2015). Evaluation of phytochemicals, free radical scavenging and antibacterial activity of *Phoenix sylvestris.* ***International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare*** 20nd-22nd March ***2015 held at CIMAP Lucknow***.

11. Shukla, R., Sharma, D. C., **Bajpai, P.,** Pathak, N. (2015). Identification and characterization of phytochemical compounds from *Grewia asiatica.* ***International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare*** 20nd-22nd March ***2015 held at CIMAP Lucknow***.
12. **Farina Mujeeb,** Ahamad Faiz Khan**, Preeti Bajpai** and Neelam Pathak **"**Phytochemical Screening and Evaluation of Antioxidant Activity, Total Phenolics and Total Flavonoids of *Aegle marmelos* Leaf Extracts" and poster presentation in International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare 2015 held from 20nd-22nd March, 2015.
13. Farina Mujeeb**,** Uzma Sayyed, Ahamad Faiz Khan, **Preeti Bajpai** and Neelam Pathak "Comparative analysis of *In Vitro* Antioxidant Activity of Eighteen Bael (*Aegle marmelos*) varieties and accessions" and delivered a poster presentation in the "International Conference on Biotechnological Advancements in Free Radical Biology and Medicine (ICBAFM) held from 14th -16th November, 2015.
14. Sharma, D. C., Shukla, R., Sharma, S., **Bajpai, P.,**Pathak, N. (2015). Evaluation of phytochemicals, free radical scavenging and antibacterial activity of *Phoenix sylvestris.* International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare 2015. CIMAP.
15. Shukla, R., Sharma, D. C., **Bajpai, P**., Pathak, N. (2015). Identification and characterization of phytochemical compounds from *Grewia asiatica.* International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare 2015. CIMAP
16. Sharma, D. C., Shukla, R., Singh, A., Naureen, S., Sharma, S., **Bajpai, P**., Pathak, N. (2015). Isolation and identification of partially purified compounds for free radical scavenging activity from *Phoenix sylvestris.* National Level Conference on Nano-sciences, Nano-toxicology and Nano-informatics present and future prospective-2015.
17. Sharma, D. C., Shukla, R., Tiwari, R., Shukla, S. Sharma, S., **Bajpai, P**., Pathak, N**.** (2015). Increasing shelf life of fruits by using nanotechnology. **National Level Conference on Nano-sciences, Nano-toxicology and Nano-informatics present and future prospective-2015.**
18. Sharma, D. C., Shukla, R., Singh, A., Naureen, S., Sharma, S., Bajpai, P., Pathak, N. (2015). Isolation and identification of partially purified compounds for free radical scavenging activity from Phoenix sylvestris. National Level Conference on Nano-sciences, Nano-toxicology and Nano-informatics present and future prospective-2015.
19. Chhedi Lal Gupta, Gunjan Dixit, Saima Nafees, Tushina Banerjee, Alisha Mehdi Rizvi, Salman Akthar, Neelam Pathak, Preeti Bajpai, 2015, Structural modeling of PfMPK2 target protein of *Plasmodium falciparum* and subsequent elucidation of phytoligands against it. (14th to 15thMarch, 2015) Presented at National conference on "Nanosciences, Nanotoxicology and Nanoinformatics"-Present and Future Perspectives, Integral University, Lucknow.
20. Sayyed, U., Mujeeb, F., Pathak, N., Bajpai, P., (2015) Identification and antimicrobial characterization of bioactive compounds of Moringa oleifera. International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare, CIMAP. March 20-22.

21. Sharma, D. C., Shukla, R., Sharma, S., Bajpai, P., Pathak, N. (2015). Evaluation of phytochemicals, free radical scavenging and antibacterial activity of Phoenix sylvestris. International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare 2015. CIMAP.

22. Shukla, R., Sharma, D. C., Bajpai, P., Pathak, N. (2015). Identification and characterization of phytochemical compounds from Grewia asiatica. International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare 2015. CIMAP.

23. Chhedi Lal Gupta, Salman Akhtar, Uzma Sayyed, Jasarat Ali, Neelam Pathak, Preeti Bajpai, "Computational studies for identification and elucidation of Leishmania donovani CpG DNA pattern interacting with Toll like receptor 9. (October, 16 -18, 2014) Presented at 25th National Congress of Parasitology, CDRI lucknow.

24. Mohd. Saeed, Preeti Bajpai, A.K. Srivastava and Huma Mustafa Amplification of Brugia malayi DNA by using Hha1 primer as a tool 3rd Biotechnology World Congress Feb 10-12, 2014 Dubai, UAE.

25. Farina Mujeeb, Rani Sanjeeda, Ajaz Ahmad, Preeti Bajpai ,Neelam Pathak And A.K. Srivastava, 2013 Antioxidant activity of methanolic extract from different varieties of wood apple (aegle marmelos) leaves. Presented at National Seminar on Stress, Development and Adaptation, Biochemical basis and Biotechnological approaches, , Department of Biochemistry, Lucknow University, Lucknow (UP), India. March 15 -16 (Stress Seminar 2013)

26. .Faria Fatima, Eram Sheikh, Pawan Khushwaha, Priyanka Verma, Preeti Bajpai Neelam Pathak and A.K. Srivastava, 2013, Fungus Mediated Extracellular Synthesis Of Silver And Gold Nanoparticles And Their Antibacterial Activity Presented at National Seminar on Stress, Development and Adaptation, Biochemical basis and Biotechnological approaches, Lucknow University, Lucknow (UP), India. March 15 -16 (Stress Seminar 2013) March 15 -16.

27. Jasarat Ali, ChhediLal Gupta, Preeti Bajpai, Neelam Pathak and AK Srivastava, 2013. Lowering of ethylene in plant by ACC deaminase producing rhizobacteria and by ACC synthase inhibitors for better plant growth promotion. Presented at Symposium on recent advance in biochemistry and Biotechnology application in health, environment and agriculture, Oct 29-31,2013 at Department of Biochemistry, Lucknow University, Lucknow.

28. Faria Fatima, Jasarat Ali, Preeti Bajpai and Neelam Pathak and AK Srivastava, 2013. Plant growth promoting microorganisms-A novel approach Presented at Symposium on recent advance in biochemistry and Biotechnology application in health, environment and agriculture, Oct 29-31, 2013 at Department of Biochemistry, Lucknow University, Lucknow.

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35. Mohd. Saeed, Preeti Bajpai, Saif Khan, Huma Mustafa. Characterization superoxide dismutase in Filarial Parasites. International conference of microbial, plant & human research, 230, March 29-31, 2012.
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AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- Membership of The National Academy of Sciences, Allahabad in 2017.
- Best Research Paper Award by Interdisciplinary Sciences-- Computational Life Sciences in 2016 with a cash prize of $ 2600.
- SERB -Young Scientist Award in the form of Extramural grant of Rs. 27 lacs.
- Prof. M. B. Mirza award in 2005 by Indian Society of Parasitology for best published work carried out in India
- ICMR Senior Research Fellowship in 2004
- CSIR Senior Research fellowship in 2004
- Best Paper Presentation award in 16th National Congress of Parasitology, in 2002.
- Two articles have been ranked with "THREE STARS" by 'BIOWIZARD' The Biomedical Research Portal:

    1. Sharma et. al. (2006) Escheriosome entrapped soluble blood stage antigens impart protective immunity against a multi-drug resistant isolate of *Plasmodium yoelii nigeriensis* in BALB/c mice, *Vaccine* 24(7): 948-956.

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ANY OTHER SIGNIFICANT INFORMATION:

Member of Editorial Boards of national/international journals:

- Current Medicinal Chemistry (Bentham Press)
- BioMed Research International (Hindawi Publishing Group)
- Indian Journal Of Experimental Biology (NISCAIR)

Reviewer for various International journals:

- Plos One
- Journal of Leukocyte Biology
- Seminars in Cancer Biology
- BioMed Research International
- Vaccine
- Plos Neglected Tropical Diseases
- Parasitology
- Experimental Parasitology
- Journal of Parasitology
- Journal of Parasitology Research

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