

# CURRICULAM VITAE

**Dr. Shashank Kumar**

Date of Birth 26 Nov 1985

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**PhD Biochemistry**

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## Educational Qualifications

Examination passed/ year	Board/University	Subjects Offered	Percentage of marks
B.Sc - 2005	University of Allahabad	Botany, Chemistry, Zoology	66.30%
M.Sc. Biochemistry -2008	University of Allahabad	Biochemistry	65%
D. Phil (PhD) -2014	University of Allahabad	Biochemistry	

**Topic of Doctoral research:** “Biochemical and antimicrobial activities of certain weeds”.

## Publications in Peer Reviewed Journals

- 1. Kumar S** and Pandey AK. (2013). Chemistry and Biological Activities of Flavonoids: An Overview. *Scientific World J*, 2013, Article ID 162750. **(IF=1.73)**
- 2. Mishra A, Kumar S** and Pandey AK. (2013). Scientific validation of the medicinal efficacy of *Tinospora cordifolia*,” *Scientific World J*, 2013, Article ID 292934. **(IF=1.73)**
- 3. Kumar S, Chashoo G, Saxena AK** and Pandey AK, (2013). *Parthenium hysterophorus*: a probable source of anticancer, antioxidant and anti-HIV agent. *BioMed Res Int.*, 2013: Article ID 810734. **(IF=2.88)**
- 4. Mishra A, Sharma AK, Kumar S, Saxena AK** and Pandey AK. (2013). *Bauhinia variegata* leaf extracts exhibit considerable antibacterial, antioxidant and anticancer activities. *BioMed Res Int*, 2013: Article ID 915436, 10 pages. **(IF=2.88)**
- 5. Kumar S, Gupta AK** and Pandey AK.. (2013) *Calotropis procera* root extract has capability to combat free radical mediated damage. *ISRN Pharmacol*, 2013: Article ID 691372.
- 6. Kumar S, Mishra A, and Pandey AK.** (2013) Antioxidant mediated protective effect of *Parthenium hysterophorus* against oxidative damage using *in vitro* models. *BMC Comp Alt Med*, 13:120. **(IF=2.08)**
- 7. Kumar S, and Pandey AK..** (2013). Phenolic content, reducing power and membrane protective activities of *Solanum xanthocarpum* root extracts. *Vegetos- An Int J Plant Res*, 26, 301-307. **(IF=0.02)**
- 8. Kumar S, Sharma UK, Sharma AK** and Pandey AK. (2012). Protective efficacy of *Solanum xanthocarpum* root extracts against free radical damage: phytochemical analysis and antioxidant effect. *Cell Mol Biol*, 58, 171-178. **(IF=1.46)**
- 9. Kumar S, and Pandey AK.** (2012.) Antioxidant, lipo-protective and antibacterial activities of phytoconstituents present in *Solanum xanthocarpum* root. *Int Rev Biophysical Chem*, 3, 42-47.

10. Mishra A, **Kumar S**, Bhargava, A, Sharma, B, and Pandey, A.K. (2011). Studies on *in vitro* antioxidant and anti staphylococcal activities of some important medicinal plants, *Cell Mol Biol*, 57, 16-25. (IF=1.46)
11. Pandey A K, Mishra A, **Kumar S**, and Chandra, A. (2010). Therapeutic Potential of *C. zeylanicum* extracts: An antifungal and antioxidant perspective, *Int J Biol Med Res*. 1(4): 228-233.
12. **Kumar S**, and Pandey, AK, (2013) Phytochemicals analysis, cytotoxic and radical scavenging activities of *Parthenium hysterophorus*. In: Proceedings of Intl Conf on health, environment and industrial biotechnology (ICHEIB BioSangam 2013). Editor S. Sharma, McGraw Hill Education (India) Pvt Ltd., New Delhi. pp 271-274. ISBN (13): 978-9-33-290137-7.
13. **Kumar S** and Pandey AK. (2014). Pharmacological activities of some common Indian weeds: A review, *Mintage J Pharmaceut Med Sci*, 3, 12-17.
14. **Kumar S**, Gupta R, Kaleem AM, Pandey AK. (2014). Mitigation of pain and anesthetic drugs, *OA Anaesthetics*, 2 (1): 2. **In Press**
15. Pandey A K, and **Kumar S**. (2014) Perspective on plant products as antimicrobials agents: A review, *Pharmacologia*.
16. Sanjay S S, Pandey A C, **Kumar S**, Pandey A K. (2014). Membrane protective efficacy of ZnO nanoparticles,” *OP Transactions on Nano-technology*. **In Press**
17. **Kumar S** and Pandey AK. (2014). Medicinal attributes of *S. xanthocarpum* fruit consumed by several tribal communities as food: An antioxidant, anticancer and anti HIV perspective,” *BMC Comp Alt Med*, 14:112. (IF=2.08)
18. Kumar S, Pandey S, Pandey A. K. (2014). In vitro antibacterial, antioxidant, cytotoxic activities of *Parthenium hysterophorus* and characterization of extracts by LC MS analysis. *BioMed Research International (Formerly titled Journal of Biomedicine and Biotechnology)*. (IF=2.88) **In Press**
19. Kumar S, and Pandey A. K. (2014). Preliminary evaluation of biological activities and phytochemical analysis of *Syngonium podophyllum* leaf. *National Academy Science Letters*. (IF=0.067) **Accepted**

### Teaching Experience

- More than four years teaching experience of taking B.Sc. and M.Sc. Biochemistry practical/theory classes.

### Abstract published in Conferences/Symposia

- Published more than twenty five abstracts in conference proceedings.

### Training/Workshops attended

- 1) “Fifth all India summer research training program on Molecular Techniques” at Sengunthar College, Salem, Erode, Tamil Nadu. (June 2008)
- 2) “Training on handling and operation of HPLC” at Instrumentation Department, Indian Institute of Integrated Medicine, Jammu. (June 2012)
- 3) “Interactive workshop on Biotechnology” at Department of Biochemistry, University of Allahabad. (9<sup>th</sup> - 10<sup>th</sup> May, 2010)
- 4) “National workshop On Climate Change: Perspectives in Health and Biotechnology” at Department of Zoology University of Allahabad. (2<sup>nd</sup> -5<sup>th</sup> December, 2010)
- 5) “Characterization Techniques in Nanotechnology” at The National Academy of Sciences, India, Allahabad. (12<sup>th</sup>-13<sup>th</sup> February, 2011)
- 6) “Noble laureate Conclave” at Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGI) Lucknow. (8<sup>th</sup> -9<sup>th</sup> March, 2011)

- 7) "4<sup>th</sup> inspire internship program/science conclave: congregation of Nobel Laureates and Eminent Scientists." at IIT Allahabad. (26<sup>th</sup> November-2<sup>nd</sup> December, 2011)
- 8) "Molecular biology application in herbal drug design and diagnostic." At Department of Biochemistry, University of Allahabad. (31<sup>st</sup> March- 2<sup>nd</sup> April 2011)
- 9) "In silico approach for drug discovery" at Department of Biochemistry, University of Lucknow. (9<sup>th</sup> -10<sup>th</sup> September 2011)
- 10) "Computational method in physical, geological modeling and drug designing." At University of Allahabad. (29<sup>th</sup> September -1<sup>st</sup> October 2011).
- 11) "Workshop on research paper writing." Organized by NASI- Allahabad. (22<sup>nd</sup> - 24<sup>th</sup> October 2011)
- 12) Workshop on "Scientific paper writing" at Lucknow. Organized by NASI- Allahabad. (6<sup>th</sup>-8<sup>th</sup> January, 2012)
- 13) "Molecular genetics and environmental genotoxicity" at Department of Zoology, University of Allahabad (3<sup>rd</sup>- 5<sup>th</sup> February 2012)
- 14) "Advance immunology course" At Department of Biochemistry, KGMU, Lucknow. (22<sup>nd</sup> -23<sup>rd</sup> February, 2013)
- 15) "Awareness workshop for Rajat Jayanti Vigyan Sancharak Fellowship, 2013-14" At The National Academy of Sciences, Allahabad, India. (30<sup>th</sup> September, 2013).

### **Papers presented in Conferences/Symposia**

- 1) International Conference on "5<sup>th</sup> World Congress of Cellular and Molecular Biology" Indore, India. (2<sup>nd</sup>-6<sup>th</sup> November, 2009)
- 2) National Conference on "Emerging Trends in Biochemistry and Satellite Symposium of the Academy of Environmental Biology". Conducted by Department of Biochemistry, University of Allahabad. India. (23<sup>rd</sup>-24<sup>th</sup> January, 2010)
- 3) National Conference on "Bioprospective-Access for Sustainable Development". Held at Department of Applied Mechanism (Biotechnology) Moti Lal Nehru National Institute of Technology, Allahabad .India. (19<sup>th</sup>-20<sup>th</sup> February, 2010)
- 4) "3<sup>rd</sup> International Conference on PARTHENIUM",.Organised by ICAR and IARI, New Delhi, India. (8<sup>th</sup>-10<sup>nd</sup> December, 2010)
- 5) National conference on "Frontiers in biological sciences" organized by VVS Purvanchal University UP. (4<sup>th</sup> -5<sup>th</sup> December, 2011)
- 6) "VIII<sup>th</sup> Annual Conference of Indian association of medical microbiologist-UP Chapter". Organized by MLN Medical College Allahabad. (11<sup>th</sup> February, 2012)
- 7) National seminar on "Challenges in combating diseases: cause to care". Organized by Department of zoology MD University Rohtak, Haryana. Sponsored by MDU Rohtak and CSIR New Delhi. (23<sup>rd</sup> March, 2012).
- 8) "82 Annual Session of the Academy. Organized by The National Academy of Sciences at Banaras Hindu University, Varanasi. (29<sup>th</sup> November- 1<sup>st</sup> December, 2012)
- 9) International Conference on "Biotechnology: A rendezvous with basic sciences for global prosperity" (BTBS-2012). Organized by society for plant research and Vegetos at PUSA New Delhi. (26<sup>th</sup> -27<sup>th</sup> December, 2012)
- 10) "100<sup>th</sup> Indian Science Congress, At Calcutta University Kolkata. (3<sup>rd</sup> -7<sup>th</sup> January, 2013)
- 11) International Symposium (Indo-UK genetic education forum) on "Current trends in genetic and genomic medicine". Dr. Ram Manohar Lohia institute of medical sciences, Lucknow. (31<sup>st</sup> January, 2013)
- 12) National Seminar on "Exciting frontiers of research in sciences and technology". Organized by Indian science congress association, Allahabad chapter at Department of Chemistry, University of Allahabad, Allahabad. (28<sup>th</sup> February- 1<sup>st</sup> March, 2013)
- 13) Attended "Second annual conference of The Indian Academy of Biomedical Sciences (IABS) and International Symposium on animal models of human diseases". at Department of Biochemistry, King George's Medical University, Lucknow. (29<sup>th</sup> January, 2013)
- 14) Attended "National Symposium on lead awareness". at Department of Biochemistry, King George's Medical University, Lucknow. (5<sup>th</sup>-6<sup>th</sup> October, 2013)
- 15) "International conference and exhibition on pharmacognosy, phytochemistry and natural products". Organized by OMICS Group Conferences, in Hyderabad. (21<sup>st</sup>-23<sup>rd</sup> October, 2013)
- 16) Attended "Indo-US symposium on impact of early life adversity on developing brain". at Department of Biochemistry, King George's Medical University, Lucknow. (29<sup>th</sup> October, 2013)

- 17) National Symposium on “Recent advances in Biochemistry and Biotechnology: Applications in health, environmental and agriculture” at Department of Biochemistry, University of Lucknow, Lucknow. (29<sup>th</sup> - 31<sup>th</sup> October, 2013)
- 18) “International Conference on health, environment, and industrial biotechnology”. At Motilal Nehru National Institute of Technology Allahabad, Allahabad. (21<sup>st</sup> -23<sup>th</sup> November, 2013)
- 19) Presented paper under Young Scientist Award Category in “International conference on health, environment, and industrial biotechnology”. At Motilal Nehru National Institute of Technology Allahabad, Allahabad. (21<sup>st</sup> -23<sup>th</sup> November, 2013)
- 20) “101<sup>th</sup> Indian Science Congress, At University of Jammu, Jammu. (3<sup>rd</sup>-7<sup>th</sup> January, 2014)
- 21) “National Seminar on “Challenges of changing scenario of biodiversity through ages: support for sustainable development”. At Faculty of Sciences Deen Dayal Upadhyay Govt. Post Graduate College, Saidabad, Allahabad. (30<sup>th</sup> -31<sup>st</sup> March, 2014)
- 22) “National Science Congress Association, Allahabad Chapter”. At Department of Chemistry, University of Allahabad, Allahabad. (30<sup>th</sup> -31<sup>st</sup> March, 2014)

### **Membership of Professional Organizations/Associations**

- (1) Life member of Italo-Latin American Society of Ethnomedicine.
- (2) Life member of Indian Sciences Congress Association, India.
- (3) Member of Publication Integrity & Ethics, London.

### **Editorial Board Member**

- (1) Pharmacologia
- (2) Mintage Journal of Pharmaceutical and Medical Sciences
- (3) Innovare Journal of Sciences

### **References**

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### **Declaration:**

I hereby declare that all statement made here are true and correct to the best of my knowledge and belief and in the event of may the information being found false or incorrect, I will be responsible for that.

**Place:** Allahabad

**Date:** 30/04/2014

**Dr. Shashank Kumar**