



### Projects received:

SN	Title	Funding agencies	Amount
1	Effects of Heavy metals/metalloids contamination of sewage on micronucleus induction in <i>Allium cepa</i> and on microbial enzyme activities	DBT	Sanctioned (proposed amount- <b>29,40,000.00</b> )
2	Effects of heavy metals/metalloids contamination of soils on micronucleus induction in <i>Tradescantia</i> and on microbial enzyme activities	UGC	8,08,300.00
3	Heavy Metal Speciation of Dust Deposited on Plant Leaves and its Effect on Biochemical Parameters of Leaf (Chlorophyll, Ascorbic acid, Leaf extract pH and Relative Water Content)	UGC start-up-grant	6,00,000.00

### Honors/Awards

- ❖ Awarded DBT RGYI, 2012.
- ❖ Awarded Dr. D.S. Kothari Postdoctoral Fellowship by UGC, (May, 2009)
- ❖ Awarded Extended SRF in Earth Sciences (2008) by CSIR, New Delhi.
- ❖ *Selected as Post Doctoral fellow in Université de Corse, UMR CNRS 6134, Sciences Pour l'Environnement, B.P. 52, 20 250 Corte (France) under Prof. Vanina Pasqualini for the year 2009 (tenure 1 year)*
- ❖ *Selected for Postdoctoral scholarship by Ministry of National Education and Religious Affairs, General Directorate of European & International Affairs, Directorate of International Relations in Education, Section A', Scholarship Department, Andrea Papandreou 37, 15180 Marousi, Greece for the academic year 2008-2009. Decision No. 109572/I/26.08.08*
- ❖ Awarded CSIR-JRF in Life Sciences (2004).

## Education

Sl.No.	Institution /Boards	Degree	Year	Division	Field of Study
1	BHU	Ph.D.	2008		Air Pollution & its impact on plants
2	BHU	M.Sc	2004	1 <sup>st</sup>	Botany (Stress & Terrestrial)
3	Purvanchal	B.Sc.	2001	1 <sup>st</sup>	Botany and Chemistry
4	CBSE	12 <sup>th</sup>	1998	1 <sup>st</sup>	Science
5	CBSE	10 <sup>th</sup>	1996	1 <sup>st</sup>	Science

## *Position and Employment (Starting with the most recent employment)*

Sl No.	Institution	Position	From (Date)	To (date)
1	<b>Guru Ghasidas Vishwavidyalaya</b>	<b>Assistant Professor</b>	<b>10/08/09</b>	<b>present</b>
2	<b>BHU</b>	<b>Ext. SRF</b>	<b>22/01/09</b>	<b>08/08/09</b>
3	<b>BHU</b>	<b>SRF</b>	<b>13/07/06</b>	<b>21/01/09</b>
4	<b>BHU</b>	<b>JRF</b>	<b>13/07/04</b>	<b>12/07/06</b>

## List of Publications

### Selected peer-reviewed publications

1. **Prajapati, S.K.**, 2012. Biomonitoring and speciation of road dust for heavy metals using *Calotropis procera* and *Delbergia sissoo*. *Environmental Skeptics and Critics*, 1(4):61-64.
2. **Prajapati, S.K.**, 2012. Ecological effect of airborne particulate matter on plants. *Environmental Skeptics and Critics*, 1(1):12-22.
3. Meravi, N., Singh, S., **Prajapati, S.K.**, 2012. Phytoremediation of Chromium & Cobalt Using *Pistia stratiotes*: a sustainable approach. *Proceedings of the International Academy of Ecology and Environmental Sciences* 2(2):136-138.
4. **Prajapati, S.K.**, Tripathi, B.D. 2009. Distribution of vehicular pollutants in street canyons of Varanasi, India: a different case. *Environmental Monitoring and Assessment*. 148 (1-4), 167-172. **Impact factor:** 1. 436
5. **Prajapati, S.K.**, Tripathi, B.D. 2008. Assessing the Genotoxicity of Urban Air Pollutants in Varanasi City Using Tradescantia Micronucleus (Trad-MCN) Bioassay. *Environment International*. 34(8), 1091-1096. **Impact factor:** 4.691

6. **Prajapati, S.K.**, Tripathi, B.D. 2008. Seasonal Variation of Leaf Dust Accumulation and Pigment Content in Plant Species Exposed to Urban Particulates Pollution. *Journal of Environmental Quality*. 37: 865-870. **Impact factor:** 2.236
7. **Prajapati, S.K.**; Tripathi, B.D., 2008. Anticipated Performance Index of Some Tree Species Considered for Green Belt Development in and around an Urban Area: a Case Study of Varanasi City, India. *Journal of Environmental Management*. 88(4)1343-1349. **Impact factor:** 2.596
8. **Prajapati, S.K.**; Tripathi, B.D. 2008. Management of hazardous road derived respirable particulates using magnetic properties of tree leaves. *Environmental Monitoring and Assessment*. 139 (1-3), 351-354. **Impact factor:** 1.436
9. **Prajapati, S.K.**; Tripathi, B.D. 2008. Biomonitoring Seasonal Variation of Urban Air Polycyclic Aromatic Hydrocarbons (PAHs) Using *Ficus benghalensis* Leaves. *Environmental Pollution*. 151: 543-548. **Impact factor:** 3.395
10. **Prajapati, S.K.**; Tripathi, B.D.; 2007. Biomonitoring Trace-element Levels in PM10 Released from Vehicles Using Leaves of *Saraca indica* and *Lantana camara*. *AMBIO: A Journal of Human Environment*. 36 (8): 704-705. **Impact factor:** 1.705
11. **Prajapati, S.K.**, Pandey, S.K., Tripathi, B.D., 2006. Monitoring of Vehicles Derived Particulates using Magnetic Properties of Leaves. *Environmental Monitoring and Assessment*. 120 (1-3): 169-175. **Impact factor:** 1.436
12. Pandey, S. K., Tripathi, B.D., Mishra, V.K., **Prajapati, S. K.**, 2006. Size fractionated speciation of nitrate and sulfate aerosols in a sub-tropical industrial environment. *Chemosphere*. 63: 49-57. **Impact factor:** 3.155
13. Pandey, S.K., Tripathi, B.D., **Prajapati, S.K.**, Mishra, V.K., Upadhyaya, A.R., Rai, P.K., Sharma, A.P., 2005. Magnetic Properties of Vehicles Derived Particulates and amelioration By *Ficus infectoria*: a Keystone species. *AMBIO: A Journal of Human Environment*. 35: 645- 647. **Impact factor:** 1.705

#### Books

- ❖ **Prajapati, S. K.**, Vehicular Pollution: Biomonitoring and its Impact on Plants, Lap-Lambert Academic Publishing, Germany, ISSN: ISBN 978-3843372060

## Articles

- ❖ E-letter Science (Native and Non-Native Species for Biofuels. *Science*(2006;313:1742)