

# *Curriculum Vitae*

## **Personal Details:**

Name	Dr. Neelam
Present position	Scientist - C
Corresponding address	Birbal Sahni Institute of Palaeosciences 53 University Road, Lucknow-226007 Uttar Pradesh, India
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## **Educational Qualification:**

Ph.D. in Botany from University of Allahabad, Allahabad (2010). Thesis title, “*Studies on the Triassic fossil of Nidpur, Madhya Pradesh, India*”.

M.Sc. (Botany), from University of Allahabad, Allahabad (2003).

B.Sc. (Botany, Zoology, Chemistry), from University of Allahabad, Allahabad (2001).

## **Research Interest:**

Mesozoic Palaeobotany

## **Research Area:**

- South Rewa and Satpura basins, Madhya Pradesh
- Kachchh and Saurashtra Basin, Gujarat
- Jaisalmer Basin, Rajasthan

## **Scientific programmes/Projects**

**SERB (DST) project ‘Empowerment and Equity Opportunities for Excellence in Science’ (SB/ EMEQ-161/2014)** – Mesozoic coastal and fluvial deposits of Jaisalmer Basin Rajasthan: palaeoclimatic, palynostratigraphic and palaeobiogeographic implications based on fossil flora.

### **Papers Published:**

1. **Prakash N & Das N** (2017). First Record of Microsporophyll Genus *Caytonanthus* Thomas from Early Cretaceous Beds of South Rewa Gondwana Basin, India: Its Evolutionary and Palaeogeographical Significance. **Island Arc**; **26**: e12163 (Available online; doi: 10.1111/iar.12163).
2. **Prakash N, Das N**, Bhatt NY & Solanki PM (2016). Reappraisal of palaeofloristics of Himmatnagar Sandstone vis-à-vis palaeogeographic significance. **Palaeobotanist** 65(1): 169-176.
3. Bhatt NY, Solanki PM, **Prakash N & Das N** (2016). Depositional environment of Himmatnagar Sandstone (Lower/Middle Cretaceous): a perspective. **Palaeobotanist** 65(1): 67-84.
4. Bhowmik N, Parveen S & **Das N** (2014). *Rugaspermum stipitatus* – A New Species of the Seed Genus *Rugaspermum* Pant & Basu from the Triassic of Nidpur, M.P., India. **Taiwania**, 59(4): 374-382.
5. Bhowmik N & **Das N** (2012). On Three new species of *Pteruchus* Thomas, 1933 from the Triassic of Nidpur, M.P., India. **Palaeontographica** 288 (1-4): 5-39.
6. Bhowmik N & **Das N** (2011). Further report on megaspores from the Triassic of Nidpur, Madhya Pradesh, India. **Acta Palaeobotanica** 51(2): 107-125.
7. Bhowmik N & **Das N** (2008). A new species of *Glandulataenia* Pant from the Triassic of Nidpur, M.P. India. **Palaeobotanist** 57(1-3): 379-388.

### **Abstracts:**

1. Neeru Prakash, **Neelam Das**, Nitish Y Bhatt & Paras M Solanki (2015) “Reappraisal of palaeofloristics of Himmatnagar Sandstone vis-à-vis palaeogeographic significance” in International Conference on *Current perspectives and emerging issues in Gondwana evolution*, Birbal Sahni Institute of Palaeobotany, Lucknow, 74p.
2. Nitish Y Bhatt, Paras M Solanki, Neeru Prakash & **Neelam Das** (2015) “Depositional environments of Himmatnagar sandstones (Lower/Middle Cretaceous): a perspective” in International Conference on *Current perspectives and emerging issues in Gondwana evolution*, Birbal Sahni Institute of Palaeobotany, Lucknow, 23p.
3. Nupur Bhowmik & **Neelam Das** (2014) “On some new dispersed megaspores from the Triassic of Nidpur, Madhya Pradesh, India.” in 84<sup>th</sup> Annual session of the National Academy of Science, India on *Desert Sciences – Opportunities and Challenges*, Jai Narain Vyas University Jodhpur, Rajasthan, India, 73p.

4. Neeru Prakash & **Neelam Das** (2014) "First Record of Pollen Organ Genus *Caytonanthus* Thomas, from Early Cretaceous Beds South Rewa Gondwana Basin, India and its Palaeogeographical Significance" in The Second International Symposium of International Geoscience Programm (IGCP) Project 608 on *Cretaceous Ecosystems and their Responses to Paleoenvironmental Changes in Asia and the Western Pacific Program and Abstract Land-Ocean Linkages and Biotic Evolution during the Cretaceous: Contribution from Asia and Western Pacific*, Waseda University, Tokyo, Japan, 52-54 pp.
5. Nupur Bhowmik, **Neelam Das**, **Shabnam Parveen** & Shachi Sinha (2013) "Recovery of more fossil bryophytes from the Triassic of Nidpur, Madhya Pradesh, India." in National Conference on *Recent Development in Plant and Earth Sciences*, the Palaeobotanical Society and Birbal Sahni Institute of Palaeobotany, Lucknow Uttar Pradesh India, 33p.
6. Neelam (2013) "Melissopalynological study of honey collected from Etawah region, U.P., India" in International conference on *Health, Environmental & Industrial Biotechnology*, MNNIT, Allahabad, Uttar Pradesh, India, 98p.
7. **Neelam Das** (2012) "Analysis of Some Honey Samples from Natural Hives of Etawah, U.P. India" in National Conference on *Chemistry and Life*, Department of Chemistry, C.M.P. Degree College, University of Allahabad, Allahabad, U.P., India, 81p.
8. Nupur Bhowmik & **Neelam Das** (2012) "Roles of mosses in medicine" in National seminar on *Recent Advances and New inclinations in Biological Sciences* (NSRANIBS-2012), Society of Biological Sciences, Department of Biological Sciences, SHIATS (Deemed to be University), Formerly Allahabad Agricultural Institute, Allahabad, 157p.
9. Nupur Bhowmik & **Neelam Das** (2011) "A new species *Biharisperites* from the Triassic of Nidpur, M.P., India" in Fifth International Botanical Conference on *Climate Change and Sustainable Development*, Bangladesh Botanical Society, Department of Botany, University of Dhaka, Dhaka-100, Bangladesh, 67p.
10. Nupur Bhowmik & **Neelam Das** (2011) "Grambastisperites major – A new species of megaspores from the Triassic of Nidpur, M.P., India" in 81<sup>st</sup> Annual Session and National Symposium on *Sustainable Management of Biodiversity using Science and Technology*, University of Kerla, Kariavattom (Thiruvananthapuram), 64p.
11. Nupur Bhowmik & **Neelam Das** (2011) "A new species of *Sphagnophyllites* Pant & Basu from the Triassic of Nidpur, M.P., India" in National Conference on *Recent Advances in Plant Sciences*, Department of Botany, Dharm Samaj College, Aligarh (U.P.), 83p.

12. Nupur Bhowmik & **Neelam Das** (2011) “*Duosporites indicus* – A new species of megaspore from the Triassic of Nidpur, M.P., India” in XXXIV All India Botanical Conference, Department of Botany, University of Lucknow, Lucknow, 124p.
13. Nupur Bhowmik & **Neelam Das** (2011) “Some new species of megaspores from the Triassic of Nidpur, M.P., India” in National symposium on *Recent Researches in Physical and Biological Sciences*, Kamla Nehru Institute of Physical and Social Sciences, Sultanpur, U.P. and National Academy of Sciences, Allahabad, India, 10p.
14. Nupur Bhowmik & **Neelam Das** (2011) “A new species of fossil megaspore from the Triassic of Nidpur, M.P., India” in National seminar on *Interface of Industry, Biology and Chemistry Research in 21<sup>st</sup> century*, Department of Chemistry, University of Allahabad, Allahabad, U.P., India, 26p.
15. Nupur Bhowmik & **Neelam Das** (2010) “*Pteruchus truncata* – A new species of *Pteruchus* from Triassic of Nidpur, M.P., India” in Golden Jubilee Symposium on *Contemporary Trends in Plant and Microbial Sciences*, Department of Botany, UGC Centre for Advanced Study, University of Burdwan, West Bengal, 14p.
16. Nupur Bhowmik, Shabnam Parveen & **Neelam Das** (2010) “Medicinal importance of bryophytes” in National Symposium on *Health & Sanitation: Rural Perspective*, The Institute of Applied Sciences, Allahabad, 48p.
17. Nupur Bhowmik & **Neelam Das** (2008) “*Pteruchus pantii* – A new species of *Pteruchus* from the Triassic of Nidpur, M.P., India” in XXXI Annual Conference on Indian Botanical Societ, International Symposium on *Plant Biology and Environment: Changing Scenario*, Department of Botany, University of Allahabad, Allahabad, U.P., India, 91p.
18. Nupur Bhowmik & **Neelam Das** (2008) “Two new species of *Pteruchus* from Triassic sediments of Nidpur, M.P. in Conference on *Plant Life Through the Ages*, Birbal Sahni Institute of Palaeobotany, Lucknow, 27-28pp.
19. Nupur Bhowmik, Shabnam Parveen & **Neelam Das** (2007) “On *Vertebraria* Royle from the Triassic beds of Nidpur M.P., India”, National Symposium on *Recent Advances in Microbial Biofertilizers*, Production & Utilization Technology, Department of Botany, Iswar Saran Degree College Allahabad, U.P., India, 221p.
20. Nupur Bhowmik & **Neelam Das** (2007) A new species of *Hepaticites* Walton from the Triassic of Nidpur M.P., India” in XXX Botanical Conference (Indian Botanical Society), National Seminar on *Emerging Trends in Plant Science: Biodiversity, Biotechnology &*

*Environmental Conservation*, School of Study in Botany, Jiwaji University, Gwalior, 82-83 pp.

21. Nupur Bhowmik & **Neelam Das** (2006) “A new species of *Glandulataenia* Pant from the Triassic of Nidpur Madhya Pradesh, India” in Diamond Jubilee International Conference on *Changing Scenario in Palaeobotany and Allied Subjects*, Birbal Sahni Institute of Palaeobotany, Lucknow, 25p.
22. Nupur Bhowmik, Shabnam Parveen & **Neelam Das** (2006) *Gopadiphyllum* – A New Genus of Coniferous Shoots from the Triassic of Nidpuri, M.P. India. XXIX All India Botanical Conference, Department of Botany, Mohanlal Sukhadia University, Udaipur, 45p.
23. Nupur Bhowmik & **Neelam Das** (2005) “Further studies on the structural feature of *Glandulataenia* Pant” in National symposium on *Biodiversity, Conservation & Sustainable Utilization of Bio-Resources*, Department of Botany, Iswar Saran Degree College Allahabad, U.P., India, 81-82pp.

#### **Conference & Seminar attended:**

1. International Conference on “Current perspectives and emerging issues in Gondwana evolution, Birbal Sahni Institute of Palaeobotany, Lucknow, 19-20, February 2015.
2. National Conference on “Desert Sciences – Opportunities and Challenges’ in 84<sup>th</sup> Annual session of the National Academy of Science, India, 4-6 November, 2014, Faculty of Science, Jai Narain Vyas University Jodhpur, Rajasthan, India.
3. National Conference on “Recent Development in Plant and Earth Sciences”, the Palaeobotanical Society and Birbal Sahni Institute of Palaeobotany, Lucknow Uttar Pradesh India, 28-29 November, 2013.
4. International conference on “Health, Environmental & Industrial Biotechnology”, MNNIT, Allahabad, Uttar Pradesh, India, 21-23, November, 2013.
5. National Conference on “Chemistry and Life”, Department of Chemistry, C.M.P. Degree College, University of Allahabad, Allahabad, U.P., India, 16-17 September, 2012.
6. National seminar on “Recent Advances and New inclinations in Biological Sciences”, (NSRANIBS-2012) Society of Biological Sciences, Department of Biological Sciences, SHIATS, Formerly Allahabad Agricultural Institute, Allahabad, 18 April 2012.

7. Fifth International Botanical Conference on “Climate Change and Sustainable Development”, Bangladesh Botanical Society, Department of Botany, University of Dhaka, Dhaka-100, Bangladesh, 9-11 December 2011.
8. 81<sup>st</sup> Annual Session and National Symposium on “Sustainable Management of Biodiversity using Science and Technology, University of Kerla, Kariavattom (Thiruvananthapuram), 24 -26 November, 2011.
9. National Conference on “Recent Advances in Plant Sciences”, Department of Botany, Dharm Samaj College, Aligarh (U.P.), 15-16 October, 2011.
10. XXXIV All India Botanical Conference, Department of Botany, University of Lucknow, Lucknow, 10-12 October, 2011.
11. National symposium on “Recent Researches in Physical and Biological Sciences”, Kamla Nehru Institute of Physical and Social Sciences, Sultanpur, U.P. and National Academy of Sciences, Allahabad, India, 14-15 February, 2011.
12. National seminar on “Interface of Industry, Biology and Chemistry Research in 21<sup>st</sup> century” the Department of Chemistry University of Allahabad, Allahabad, U.P., India, 5-7 February, 2011.
13. Golden Jubilee Symposium on “Contemporary Trends in Plant and Microbial Sciences”, Department of Botany, UGC Centre for Advanced Study, University of Burdwan, West Bengal, 19 to 20 March 2010.
14. National Symposium on “Health & Sanitation: Rural Perspective, the Institute of Applied Sciences”, Allahabad, 6-7 February, 2010.
15. XXXI Annual Conference on Indian Botanical Society, International Symposium on “Plant Biology and Environment: Changing Scenario”, Department of Botany, University of Allahabad, Allahabad, U.P., India, 17-19 December, 2008.
16. Conference on “Plant Life Through the Ages”, Birbal Sahni Institute of Palaeobotany, Lucknow, 16-17 November, 2008.
17. National Symposium on “Sustainable Management of Potable water”, the Institute of Applied Sciences, Allahabad, 29-30 March, 2008.

18. National Symposium on “Recent advances in Microbial Bio-fertilizers, Production & Utilization Technology”, Department of Botany, Iwar Saran Degree College Allahabad, U.P., India, 13-14 December, 2007.
19. XXX Botanical Conference (Indian Botanical Society), National Seminar on “Emerging Trends in Plant Science: Biodiversity, Biotechnology & Environmental Conservation”, School of Study in Botany, Jiwaji University, Gwalior, 28-30 November, 2007.
20. National symposium on “Biodiversity Assessment, Conservation & Ecoplaning”, Department of Botany, Iwar Saran Degree College Allahabad, U.P., India, 11-12 January, 2007.
21. Diamond Jubilee International Conference on “Changing Scenario in Palaeobotany and Allied Subjects”, Birbal Sahni Institute of Palaeobotany, Lucknow 15-17 November, 2006.
22. National Seminar on Intellectual Property Rights: Plant varieties and Genome conservation, Shyama Prasad Mukherjee Govt. Degree College, Phaphamau, Allahabad, 14-15 October, 2006.
23. XXIX All India Botanical Conference, Department of Botany, Mohanlal Sukhadia University, Udaipur, 9-11 October, 2006.
24. National symposium on “Biodiversity, Conservation & Sustainable Utilization Of Bio-Resources”, Department of Botany, Iwar Saran Degree College Allahabad, U.P., India, 17-18 March, 2005.

#### **Training acquired/ Refresher Course/Workshop attended:**

1. Workshop on “*Hindi me vaigyanic lekhan kaise kare*” held at National Research Laboratory For Conservation Of Cultural Property (NRLC), Jankipuram, Lucknow, U.P., India, on March 1, 2017.
2. GSI – BSIP collaborative Refresher Course on “*Palaeontology and Biostratigraphy*”, 11-16 May, 2015.
3. National Workshop on “*Defining the Role of Women Scientist and Teachers in Promotion and Application of Science and Technology*”, The National Academy of Sciences, India, Allahabad, 5-6 October, 2012.
4. Pre-Workshop Brainstorming Session on “*Women’s Participation in Science*”, The National Academy of Sciences, India, Allahabad, 15 September, 2012.

5. Workshop on “*Scientific paper writing*”, The National Academy of Sciences, India, Allahabad, 22-24 October, 2011.
6. National workshop on “*Characterization Techniques in Nanotechnology*”, The National Academy of Sciences, Allahabad, 12-13, February, 2011.
7. National workshop on “*Bryophyte Taxonomy*”, collaborating unit of All India Co-ordinated Project on Taxonomy of Bryophytes (AICOPTAX), Department of Botany, University of Lucknow, Lucknow, 7-8 March, 2008.
8. International workshop on “*Frontiers in Nanotechnology*”, Centre of Biotechnology, University of Allahabad, Allahabad, U.P., India, 1 December, 2006.

#### **Membership:**

- Life member of the Gondwana geological Society, Nagpur.
- Life member of the Palaeontological Society of India.
- Life member of the Society of Earth Scientist, Lucknow.
- Life member of the Palaeobotanical Society of India.
- Life member of the Institute of Applied Sciences.