

1. **Name in full (in block letters)** VANDANA PRASAD
2. **Present position** Director
3. **Postal address** Birbal Sahni Institute of Palaeosciences, 53,
University Road, Lucknow - 226007
4. **E-mail address** prasad.van@gmail.com
5. **Phone Number (Mobile & Landline)** 9839225422
6. **Date of Birth** 21.07.1963
7. **Permanent Address** 503, Beverly Park Apartment, New Hyderabad,
Lucknow - 226007
8. **Educational Qualifications indicating chronologically the examinations passed from Bachelor's onwards**

1983	B.Sc	Lucknow University	I st	Botany, Zoology Chemistry
1985	M.Sc	Lucknow University	I st	Botany
1985-1990	J.R.F and S.R.F	National Botanical Research Institute Lucknow		
1992	PhD in Botany	Lucknow University	"Reproductive Biology of some oil yielding taxa"	

9. **Joined BSIP as scientist A in March 1994**

List of Publications:

I. Top Ten Publications on the basis of Citations (as per Google scholar)

1. Prasad et al, 2005, Dinosaur coprolites and the early evolution of Grasses and Grazers. *Science*, 310:1177-1180. ***Citations - 361***
2. Prasad et al, 2011, Late Cretaceous origin of the rice tribe provides evidence for early diversification in Poaceae, *Nature Communications.*, 2: 480 doi: 10.1038/ncomms1482. ***Citations - 102***

3. Mertens et al., 2009, Determining the absolute abundance of dinoflagellate cysts in recent marine sediments: The *Lycopodium* marker-grain method put to the test. *Rev. Palaeobot. Palyno*, 157: 238-252. **Citations - 78**
4. Clementz et al., 2011. Early Eocene warming events and the timing of terrestrial faunal exchange between India and Asia, *Geology*, 39: 15-18. **Citations - 71**
5. Prasad et al., 2009, Evidence of Late Paleocene-Early Eocene equatorial rain forest refugia in southern Western Ghats, India. *J. Bio. Sci.*, 34: 771-979. **Citations - 53**
6. Gertsch et al., 2011, Environmental effects of Deccan volcanism across the Cretaceous–Tertiary transition in Meghalaya, India, *Earth Planet. Sci. Lett.*, 310: 272–285. **Citations - 50**
7. Garg et al., 2008, Age diagnostic dinoflagellate cysts from the lignite-bearing sediments of the Vastan Lignite mine, Surat district Gujarat, Western India. *J Paleontological Society of India*, 53, 99-105. **Citations - 55**
8. Prasad et al., 2014. Mid-late Holocene monsoonal variations from mainland Gujarat, India: A multi-proxy study for evaluating climate culture relationship. *Paleogeogr. Paleoclimatol. Paleoclimatol.* 397, 38-51. **Citations - 36**
9. Prasad et al., 2007. Evidence of enhanced winter precipitation and the prevalence of a cool and dry climate during the mid to late Holocene in mainland Gujarat, India, *Holocene*, 17: 889-896. **Citations - 35**
10. Prasad et al., 2013. Palynofacies and sedimentology based high resolution sequence stratigraphy of the lignite bearing muddy coastal deposits of early Eocene age, Vastan lignite mine, Gujarat, India. *Facies*. DOI 10.1007/s10347-012-0355-8. **Citations - 26**

(a) Complete List of Publications in reverse chronological order

1. **Prasad, V.**, Farooqui, A., Murthy, S., Sarate, O.S., Bajpai, S. 2018. Palynological assemblage from the Deccan Volcanic Province, central India provides insights into early history of angiosperms and the terminal Cretaceous palaeogeography of peninsular India **Cretaceous Research Impact Factor: 2.015**
2. **Prasad, V.**, Utescher, T., Sharma, A., Singh, I.B., Garg, R., Gogoi, B., Srivastava, J., Uddandam, P.R., Joachimski, M.M. 2018. Low-latitude vegetation and climate dynamics at the Paleocene-Eocene transition – a study based on multiple proxies from the Jathang section in northeastern India **Palaeogeography, Palaeoclimatology, Palaeoecology** 10.1016/j.palaeo.2018.02.013 **Impact factor: 2.525**
3. Pillai, A.A.S., Ambili, A., **Prasad, V.**, Manoj, M.C., Varghese, S., Sankaran, M., Ratnam, J. 2018. Multi-proxy evidence for an arid shift in the climate and vegetation of the Banni grasslands of western India during the mid- to late-Holocene. **The Holocene** DOI: 10.1177/095968361876154 **Impact factor: 2.324**
4. Uddandam P.R., **Prasad, V.**, Rai, J. 2017. Dinoflagellate cyst distribution in sediments of western Bay of Bengal: Role of sea surface conditions. **Palaeogeography, Palaeoclimatology, Palaeoecology. Impact factor: 2.525**

5. M.C, Manoj., Thakur, B., **Prasad V.** 2016. Rare earth element distribution in tropical coastal wetland sediments: a case study from Vembanad estuary, southwest India. **Arab J Geosci**, 9. 197. *Impact factor: 1.224*
6. Patnaik, R., **Prasad, V.** 2016. Neogene Climate, Terrestrial Mammals and Flora of the Indian Subcontinent, **Proc Indian Natn Sci Acad.** 82, Spl Issue.
7. Srivastava, J., **Prasad, V.**2015. Effect of global warming on diversity pattern in Nypa mangroves across Paleocene–Eocene transition in the paleo-equatorial region of the Indian sub-continent. **Palaeogeography, Palaeoclimatology, Palaeoecology.** 429 1–12 *Impact factor: 2.525*
8. Thakur, B., Srivastava, J., Uddandam, P., M.C Manoj., **Prasad, V.** 2015. Role of sedimentary processes and environmental factors in determining the distribution pattern of diatoms and marine/terrestrial palynomorphs in a tropical coastal wetland. **J Palaeont Soc India.** 60. 71-84. *Impact factor: 0.5*
9. Basumatary, S.K., Gogoi, B., **Prasad.V.** 2015. Characteristic modern pollen assemblages in relation to vegetation types in the East Khasi Hills, northeast India. **Palynology.** DOI: 10.1080/01916122.2015.108019 *Impact factor: 1.064*
10. Rachna Raj., Chamyal, L.S., **Prasad, V.**, Sharma, A., Tripathi, J.K., Verma P. 2015. Holocene climatic fluctuations in the Gujarat Alluvial Plains based on a multiproxy study of the Pariyaj Lake archive, western India. **Palaeogeography, Palaeoclimatology, Palaeoecology.** 421, 60-74. *Impact factor: 2.525*
11. Sridhar, A. Laskar, A., **Prasad, V.**, Sharma, A., Tripathi, J.K., Balaji, D. 2014. Late Holocene flooding history of a tropical river in western India in response to southwest monsoon fluctuations: A multi proxy study from lower Narmada valley. **Quaternary International.** 371, 181-190. *Impact factor:2.067*
12. **Prasad, V.**, Farooqui, A., Sharma, A., Phartiyal, B., Chakraborty, S., Bhandari, S., Rachna Raj., Singh, A. 2014. Mid–late Holocene monsoonal variations from mainland Gujarat, India: A multi-proxy study for evaluating climate culture relationship. **Paleogeography Paleoclimatology Paleoclimatology.** 397, 38-51. *Impact factor: 2.525*
13. Saxena,A., **Prasad, V.**, Singh, I.B., 2013. Holocene palaeoclimate reconstruction from the phytoliths of the lake-fill sequence of Ganga Plain. **Current Science.** 104 (8), 1054. *Impact factor: 0.967*
14. **Prasad, V.**, Singh, I.B., Bajpai, S., Garg, R., Thakur, B. & Singh, A. 2013. Palynofacies and sedimentology based high resolution sequence stratigraphy of the lignite bearing muddy coastal deposits of early Eocene age, Vastan lignite mine, Gujarat, India. **Facies.** DOI 10.1007/s10347-012-0355-8. *Impact factor: 1.690*
15. Farooqui , A., Gaur, A.S., **Prasad, V.** 2013. Climate, vegetation and ecology during Harappan period: Excavations at Kanjetar and Kaj, Mid-Saurashtra coast. **J. Arch. Sci.** 40:2631-2647. *Impact factor: 1.91*

16. Bajpai, S., Prasad, G.V.R., **Prasad, V.**, Krishna, J., Sarkar, A. 2012. Recent advances on Phanerozoic Biodiversity, bioevents and climate in India. *Proc. Indian natn. Sci. Acad.*, 78: 445-455.
17. Sharma, A., Kumar, K., **Prasad, V.** and Thakur, B. 2011. Diatom distribution and its relationship with water quality in the Mahi River Basin. *Current Science*, 101(8): 1011-1015. *Impact factor: .967*
18. Thakur, B, **Prasad, V.** and Garg, R. 2012. Primary productivity and organic matter distribution during SW and NE monsoon: A case study from Alleppey mudbanks, Kerala, India. *Current Science*, 103 (7): 809-817. *Impact factor: .967*
19. **Prasad, V.**, Strömberg, C.A.E., Leaché, A.D., Samant, B., Patnaik, R., Tang, L., Mohabey, D.M., Ge, S., Sahni, A. 2011. Late Cretaceous origin of the rice tribe provides evidence for early diversification in Poaceae, *Nat. Commun.*, 2:480 doi: 10.1038/ncomms1482. *Impact factor: 12.124*
20. Garg, R., **Prasad, V.**, Thakur, B., Singh, I.B., Khowaja-Ateeqazaman., 2011, Dinoflagellate cyst from the Naredi Formation, Southwestern Kutch, India: Implication on age and paleoenvironment. *J Palaeont Soc India*, 56: 201-218. *Impact factor: 0.5*
21. Gertsch, B., Keller, G., Adatte, T., Garg, R. **Prasad, V.**, Berner, Z., Fleitmann, D. 2011. Environmental effects of Deccan volcanism across the Cretaceous–Tertiary transition in Meghalaya, India, *Earth Planet. Sci. Lett.*, 310: 272–285. *Impact factor: 4.409*
22. Clementz, M., Bajpai, S., Ravikant, V., Thewissen, J.G.M., Saravanan, N., Singh, I.B. and **Prasad, V.** 2011. Early Eocene warming events and the timing of terrestrial faunal exchange between India and Asia, *Geology*, 39: 15-18. *Impact factor: 4.635*
23. **Prasad, V.**, Farooqui, A., Tripathi, S.K.M., Garg, R. and Thakur, B. 2009. Evidence of Late Paleocene-Early Eocene equatorial rain forest refugia in southern Western Ghats, India. *J. Bio. Sci.*, 34: 771-979. *Impact factor: 1.888*
24. Nigam, R., **Prasad, V.**, Mazumdar, A., Garg, R., Saraswat, R. and Henriques, P. J. 2009. Late Holocene changes in hypoxia off the west coast of India: Micropalaeontological evidences. *Curr. Sci.*, 96: 708-713. *Impact factor: .967*
25. Mertens K.N., Verhoeven, K., Verleye, T., Louwye, S., Amorim, A., Ribeiro, S., Deaf, A.S., Harding, I.C., De Schepper, S., González, C., Kodrans-Nsiah, M., De Vernal, A., Henry, M., Radi, T., Dybkjaer, K., Poulsen, N.E., Feist-Burkhardt, S., Chitolie, J., Heilmann-Clausen, C., Londeix, L., Turon, J-L., Marret, F., Matthiessen, J., McCarthy, F.M.G., **Prasad, V.**, Pospelova, V., Hughes, J.E.K., Riding, J.B., Rochon, A., Sangiorgi, F., Welters, N., Sinclair, N., Thun, C., Soliman, A., Van Nieuwenhove, N., Vink, A. and Young, M., 2009. Determining the absolute abundance of dinoflagellate cysts in recent marine sediments: The *Lycopodium* marker-grain method put to the test. *Rev. Palaeobot. Palyno*, 157: 238-252. *Impact factor: 1.985*
26. Garg R, Khowaja-Ateequzaman., **Prasad Vandana**, Tripathi S.K.M, Singh I.B., Jauhari A.K and Bajpai S. 2008. Age diagnostic dinoflagellate cysts from the lignite-bearing

sediments of the Vastan Lignite mine, Surat district Gujarat, Western India. *J. Paleontological Society of India*, **53**, 99-105. **Impact factor: 0.5**

27. Prasad, V., Phartiyal, B. and Sharma, A. 2007. Evidence of enhanced winter precipitation and the prevalence of a cool and dry climate during the mid to late Holocene in mainland Gujarat, India, *Holocene*, **17**: 889-896. **Impact factor: 2.135**
28. Singh V, Prasad V, & Chakraborty, S 2007. Phytolith as indicator of monsoonal variability during mid-late Holocene in Mainland Gujarat, western India, *Curr. Sci.* **92**: 1754-1759. **Impact factor: .967**
29. Prasad V, Garg R, Singh V & Thakur B 2007. Organic matter distribution pattern in Arabian Sea: Palynofacies analysis from the surface sediments off Karwar Coast (West Coast of India). *Indian J. Marine Sci.* **36**: 399-406.
30. Saxena, A., Prasad, V., Singh, I.B., Chauhan, M. S. and Hasan, R 2006 On the Holocene record of phytoliths of wild and cultivated rice from Ganga Plain: evidence for rice-based Agriculture, *Curr. Sci.* **90**: 1547-1552. **Impact factor: .967**
31. Prasad, V., Garg, R., Khowaja-Ateequzzaman, Singh, I. B., Joachimski, M. M. 2006. *Apectodinium* acme and palynofacies characteristics in the latest Palaeocene- Earliest Eocene of Northern Eastern India: Biotic response to the Palaeocene-Eocene Thermal Maxima in Low Latitude, *J Palaeont Soc India*, **51**:75-9. **Impact factor: 0.5**
32. Garg, R., Khowaja-Ateequzzaman and Prasad, V. 2006. Significant dinoflagellate cyst biohorizons in the Upper Cretaceous-Palaeocene successions of the Khasi Hills, Meghalaya. *J. Geol. Soc. India*, **67**: 737-747. **Impact factor: 0.596**
33. Prasad, V., Stromberg, C.A.E., Alimohammadian, H, Sahni, A. 2005. Dinosaur coprolites and the early evolution of Grasses and Grazers. *Science*, **310**:1177-1180. **Impact factor: 37.205**
34. Sarkar, S, Prasad ,V, 2003, *Koshaliaspermopsis*, a new fungal genus from the Subathu Formation, Himachal Pradesh, India, *Palaeobotanist*, **52**: 113-116.
35. Sarkar, S, Prasad,V, 2002, On the occurrence of *Ocimum* pollen grains from the Subathu Formation of Shimla Hills , Himachal Pradesh , India .*Palaeobotanist*, **51**: 165-167.
36. Prasad, V, Sarkar, S, 2002, Fossil Scytonema (Nostocales) from the Subathu Formation of Tal valley, Garhwal Himalayas, India, *J Palaeont Soc India*, **47**: 145-149. **Impact factor: 0.5**
37. Tripathi SKM, Saxena, RK, Prasad, V, 2000, Palynological investigations of the Tura Formation (Early Eocene) exposed along the Tura –Dalu Road, West Garo Hills, Meghalaya, India, *Palaeobotanist*, **49**, 239-251.
38. Sarkar, S, Prasad, V, 2000, Palaeoenvironment significance of dinoflagellate cyst assemblages from Subathu Formation (Ypresian to Lutetian) of Koshalia Nala Section, Shimla Himalaya, India, *Himalayan Geology*, **21**, 167-176. **Impact factor: 0.325**

39. Sarkar, S, **Prasad, V**, 2000, Dinoflagellate cyst biostratigraphy and depositional environment of the Subathu Formation (Late Ypresian-Middle Lutetian), Morni Hills Haryana India. *J. Palaeont. Soc. India*, 5, 137-149. **Impact factor: 0.5**
40. **Prasad, V**, Sarkar, S, 2000, Paleoenvironmental significance of *Botryococcus* (Chlorococcales) in the Subathu Formation of Jammu and Kashmir, India, *Current Science*, 78, 682-68. **Impact factor: .967**
41. Saxena, R.K, Tripathi, S.K.M, **Prasad, V**, 1996, Palynological Investigation of the Tura Formation (Palaeocene-Eocene) in Nongwal-Bibra area, East Garo Hills, Meghalaya, *Geophytology*, 26(1), 19-31.

(b) Details of awards/recognitions/fellowships of prestigious academies, citations received till January 01, 2018, h-index, etc

Total Citation of papers published till date (Google scholar) = 1085

H Index = 14

i10 Index = 18

Total Cumulative Impact factor of papers published in SCI Journals = 99.894

1. *Visiting Scientist*, Institute of Geology, University Louis Pasteur, Strasbourg, France, May-July, 1998. To carry out palynofacies analysis within a sequence stratigraphic framework.
2. Received *Letter of Appreciation* from DST Secretary Professor T Ramasami on the publication of early Evolution of grasses (published in Science, 2005), and delivered an invited lecture in DST on “Climatic shifts, Evolution, Extinction & Biotic Turnover in deep times: A case study from Indian Peninsula”.
Meritorious Abstract Award for the paper entitled “Phytoliths as indicators of monsoonal variability during Mid-Late Holocene in Mainland Gujarat, Western India”, *PAGES 2nd Open Science Meeting, Beijing, China* in August 2005.
3. *Awarded “Diamond Jubilee Medal-2006 & Citation”* by the BSIP for publishing papers of high quality in Refereed Journals, for “Prasad, V., Stromberg, C.A.E., Alimohammadian, H, Sahni, A. 2005. Dinosaur coprolites and the early evolution of Grasses and Grazers. *Science*, 310:1177-1180”.

4. *Invited for In-House Science Meet of the Autonomous Institutions under DST* to present outstanding contribution in Paleobotany held at Jawaharlal Nehru Centre for Advance Scientific Research, Bangalore, September 23-24, 2006.
5. *Invited to be a member of the Indian delegation team of young scientist* to participate in the 2nd Indo-American frontiers of Science symposium organized by Indo-U.S Science and Technology Forum in partnership with the U.S. National Academy of Sciences to present outstanding contribution Irvine, California, January 2007.
6. *Awarded Smithsonian Fellowship* (Post doctoral) to undertake “comparative study of low latitude Palaeogene flora of India and South American subcontinents” at **Smithsonian Tropical Research institute, Panama**, (May- June, 2007).
7. Young scientist participation and presentation of outstanding contribution in Earth Sciences on the event of 50th anniversary of the Geological Society of India, Bangalore, October, 2008.
8. *Nodal person* in conducting a International Earth Science Olympiad exam for college students in Lucknow (January, 2010).
9. *Expert Member* in the DST Earth Science Fast Track programme for Young Scientist (2012-2015).
10. *Member in the Indian delegation team to attend Indo-German workshop* on ‘Environmental challenges in Asia at GeoForschungs Zentrum **Potsdam**, 14-17 January, 2013, sponsored by DST and DFG.
11. *Invited Lecture* on “Phytoevolution revisited: Interpretation from Palaeobotanical studies from Indian subcontinent”, on the occasion of General Meeting of National Science Academy (**INSA**) organized by Indian Academy of Sciences, Bangalore, 12-14 July, 2012.
12. *Invited lecture* on “Mid-late Holocene monsoonal variations from mainland Gujarat, India: A multiproxy study for evaluating climate culture relationship” in a Belmont forum workshop on Seasonal to decadal predictability of regional climate for decision making: bridging the gap between users’ needs and the state of climate knowledge, in Goa 23rd-25th October 2013.
13. *Awarded “Diamond Jubilee Medal-2014 and Citation by the BSIP for a second time* for publishing papers of high quality in Refereed Journals, for paper “Mid-late Holocene

monsoonal variations from mainland Gujarat, India: A multi-proxy study for evaluating climate culture relationship in 2014 in the Journal- Paleogeography Paleoclimatology Paleoclimatology.

14. **Invited lecture** on "Mid Holocene climate and cultural responses: A case study from Western India" in the mini seminar on 'Reconciliation of Marine and Terrestrial Records of Summer Monsoon Variability during the Holocene' on the occasion of **80th Anniversary General Meeting of National Science Academy (INSA)** jointly organized by CSIR-National Institute of Oceanography, Goa University, and National Centre for Ocean and Antarctic Research at Goa, 19- 21st December, 2014.
15. **Resource Person in INQUA-HABCOM workshop** entitled 'Palaeoanthropological Perspectives on Plant Communities in South Asia'. jointly organized by the Sharma Centre for Heritage Education and the French Institute of Pondicherry from 27th October to 2nd November, 2014 on "Phytolith a proxy tool in Palaeoclimate and Archeological studies.
16. **Awarded Fellowship under INSA Exchange of Scientists Programme** to work at Bonn University, Germany to carry out collaborative studies in September, 2014.
17. **Resource Person in INQUA-HABCOM workshop cum training program** "Palaeoanthropological Perspectives on Plant Communities in South Asia: Prehistory, Plants and People", organised jointly by the Sharma Centre for Heritage Education and The French Institute of Pondicherry, January, 18-24, 2016.

Details of projects implemented (Completed/in progress)

Inhouse Project

- (1997-2001)
1. Morphotaxonomy, floristics, biostratigraphy and sedimentological studies of Tertiary sediments of Lesser Himalayas.
 2. Integrated phytoplankton biozonation and palynofacies analysis of Cretaceous – Tertiary sequences of Meghalaya and Kutch with emphasis on bioevents, time boundaries and palaeoenvironment.
- (2002-2006)
1. Dinoflagellate cysts and palynofacies study of the Upper Cretaceous-Palaeocene succession of the South Shillong Plateau: Implications to palaeoenvironment and relative sea level changes.

2. Palynostratigraphy and palaeoenvironment analysis of the Lower Tertiary rocks, N-W Himalayas: Implication to paleoclimate and foreland basin evolution.
- (2007-2011)
1. High resolution biostratigraphy, biotic turnover, paleoclimate and relative sea level changes during Late Cretaceous-Early Palaeogene (~80-35 Ma) in South Shillong Plateau, Meghalaya, northeastern India.
 2. Multi-proxy palaeoclimatic studies in coastal and marine sediments of western Indian region.
- (2012-2016)
1. Biota from Palaeogene lignite-bearing sequences of western India: Climatic, tectonic, stratigraphic, ecologic and biogeographic signatures.
 2. Study of Late Cretaceous-Early Palaeogene successions of South Shillong Plateau: Implications for climate and relative sea level changes.
- (2017-till date)
1. Integrative palynological, magnetostratigraphic, and sedimentological studies of selected Deccan volcano-sedimentary sections of peninsular India: implications for age, paleoclimate, paleobiogeography and evolutionary history of infra- and intertrappean biotas.
 2. Early Paleogene climatic records and biostratigraphy: Integrative multiproxy approach from South Shillong Plateau (Meghalaya) and lignite-bearing sequences of Rajasthan

Sponsored Projects

1. Reconstruction of Late Quaternary environments in Saurashtra and Mainland Gujarat: A study based on palynofacies Analysis” (Sponsored by DST, New Delhi, No.SR/S4/ES-49/2003) (PI)
2. Quaternary sedimentary records of Baroda Window, Mainland Gujarat: A multidisciplinary approach” (Sponsored by DST, New Delhi, No. SR/S4/ES-2/BarodaWindow/P1/ 2005) (Co PI)
3. High resolution paleoclimatic studies from Bay of Bengal
MoES/36/OOIS/SIBER/07(CoPI)
4. Quantitative reconstruction of the Paleogene climate of paleo-equatorial region based on Indian palynological records” (Sponsored by MoES, New Delhi, No MoES/P.O.(GeoSci)/36/2014. (PI)
5. Pliocene Arctic Climate Teleconnections (PACT)” MoES/Indo-Nor-PS-8/2015 (CoPI) (ongoing)