

## CURRICULUM VITAE

DR. MD. FIROZE QUAMAR

Scientist "C"

Quaternary Palynology Lab.,

Birbal Sahni Institute of Palaeosciences (BSIP),

53-University Road,

Lucknow-226007, U.P., India

Phone (Mobile) No: +91-9919773919

E-mail IDs: [quamar\\_bot@yahoo.co.in](mailto:quamar_bot@yahoo.co.in); [firoz.quamar@gmail.com](mailto:firoz.quamar@gmail.com);

[mohdfiroze.quamar@bsip.res.in](mailto:mohdfiroze.quamar@bsip.res.in)

Fax No. 0522-2740485, 2740098



### **Areas of specialization:**

- Reconstruction of Quaternary Palaeovegetation and Palaeoclimate
- Melissopalynology
- Studies on the pollen morphology of modern plants (LM, CLSM)

### **Academic Chronicle:**

Examination Passed	Board/University	Year of Passing	Division	Percentage
Matriculation	BSEB, Patna, Bihar	1994	1 <sup>st</sup>	73.44%
Intermediate ( I. Sc. – Biology )	BIEC, Patna, Bihar	1996	2 <sup>nd</sup>	55.00%
B.Sc. (Hons.), Botany	R.D.S. College/B.R.A. Bihar University Muzaffarpur , Bihar	2000	1 <sup>st</sup>	74.62%
M.Sc. Botany (Plant Biotech. – Specialization)	University Deptt. of Botany/B.R.A. Bihar University , Muzaffarpur, Bihar	2004	1 <sup>st</sup>	72.68%

Pre-Ph.D. (RET)	B.R.A. Bihar University , Muzaffarpur, Bihar	2005	Qualified	
Ph.D. (Botany)	University of Lucknow, Lucknow, U.P.	2011 (Awarded)		

### **Ph.D.:**

**Title: “Reconstruction of Quaternary Vegetation Succession and Climate Change in Central India, Based on Pollen Proxy Records”**

**Ph.D. Supervisor: Dr. M. S. Chauhan, Scientist “F”** (Superannuated on 31<sup>st</sup> December, 2015), BSIP, Lucknow, India

**Date of award: 1<sup>st</sup> September, 2011, University of Lucknow, Lucknow, India**

**Details of research career in the Institute:**

<b>Organisation Where worked</b>	<b>Period From To</b>	<b>Post Held</b>	<b>Pay-Scale</b>	<b>Nature of Duties</b>
Birbal Sahni Institute of Palaeobotany	23.04.2007- 22.04.2009	Birbal Sahni Research Scholar <b>(BSRS-JRF)</b>	12,000/- +HRA	Research
Birbal Sahni Institute of Palaeobotany	23.04.2009- 22.04.2011	Birbal Sahni Research Scholar <b>BSRS-SRF)</b>	14,000/ and 18,000-+HRA	-do-
Birbal Sahni Institute of Palaeobotany	31.05.2011- 29.10.2013	Birbal Sahni Research Associate <b>(BSRA)</b>	22,000/- +HRA	-do-
Birbal Sahni Institute of Palaeobotany/palaeosciences	29.10.2013- 31.12.2016	Scientist ‘B’	15600-39100	-do-
Birbal Sahni Institute of Palaeosciences	01.01.2017- till date	Scientist ‘C’	15600-39100	-do-

### **Prizes/Medals/Awards/Honours:**

- **Dr. Chunnihal Khatiyal Medal 2016, BSIP, Lucknow.**

- **Best Poster (Presentation) Award** for the poster entitled “**Late Holocene vegetation and climate change in south-western Madhya Pradesh, central India, based on pollen evidence: Signals of global climatic events**” presented at the International Conference on “**NECLIME**”, **Birbal Sahni Institute of Palaeobotany, Lucknow, India**, February 23-27, 2016.
- **1<sup>st</sup> Paper of the month award (POTM Award)**-April, 2014, BSIP, Lucknow (for the paper entitled “Surface pollen and its relationship with modern vegetation in tropical deciduous forests of south-western Madhya Pradesh, India: a review”, published in “*Palynology*, 38 (1), 147-161.
- **Dr. B. S. Venkatachala Memorial (Gold) Medal 2014**, BSIP, Lucknow.
- “**Best Poster (Presentation) Award (1<sup>st</sup>)**” for the poster entitled “*Modern pollen assemblages of surface samples and their relationships to vegetation and climate at Baikunthpur area of Koriya District, Chhattisgarh (India)*” presented at the International Conference on “**Conserving Biodiversity for Sustainable Development**”, **Department of Biotechnology and Medical Engineering, NIT Rourkela, Odisha** (India), August 16-18, 2013.
- **Consolation Prize** for the poster entitled “*Modern pollen rain study in the tropical mixed deciduous forest in District Umaria, Madhya Pradesh*” presented in the *XXI Indian Colloquium on Micropalaeontology and Stratigraphy (21<sup>st</sup> ICMS)*, **Birbal Sahni Institute of Palaeobotany, Lucknow** (U.P., India), November 16-17, 2007.
- Awarded Birbal Sahni Research Associateship (**BSRA**) by the **Birbal Sahni Institute of Palaeobotany**, Lucknow (U.P.), India. (May 2011-October 2013)
- Awarded Birbal Sahni Research Scholarship (**BSRS**) by the **Birbal Sahni Institute of Palaeobotany**, Lucknow (U.P.), India. (April 2007-April 2011)

### **Sponsored Project:**

- **DST sponsored Fast Track Young Scientist Project** (2014) on the palaeovegetation and palaeoclimate reconstruction in different areas of Jammu and Kashmir (India), based especially on pollen proxy records. (Ref. No. **SR/FTP/ES-81/2013, dated 20.01.2014**)

## **Memberships of Societies:**

- Life member: **Palaeobotanical Society of India**, Lucknow.
- Life member: **Palynological Society of India**, Bangalore.
- Life member: **Palaeontological Society of India**, Lucknow.
- Life member: **International Society of Applied Biology**, Lucknow
- Life member: **Gondwana Geological Society**, Nagpur
- Member: **NECLIME**
- Annual member (2011): **International Organization of Palaeobotany (IOP)**, Japan.

## **PUBLICATIONS:**

### **Review Articles Published/Accepted/In Press**

**(\* indicates the name of the corresponding author):**

1. **Quamar, M.F\***. & Bera, S.K. (2014). Pollen production and depositional behaviour of teak (*Tectona grandis* Linn. f.) and sal (*Shorea robusta* Gaertn. f.) in tropical deciduous forest of Madhya Pradesh (India): An overview. *Quaternary International* **325**, 111-115.
2. **Quamar, M.F\***. & S.K. Bera. (2014). Surface pollen and its relationship with modern vegetation in tropical deciduous forests of south-western Madhya Pradesh, India: a review. *Palynology*, 38 (1), 147-161.
3. **Quamar, M.F\***. (2017). A review on the modern pollen and vegetation relationship studies from eastern Madhya Pradesh, central India. *Journal of Geosciences Research (Formerly Gondwana Geological Magazine )* 2 (1), 17-28.

### **Research Papers Published/In Press/Accepted**

**(\* indicates the name of the corresponding author):**

1. **Quamar, M.F\***. & Bera, S.K. (2017). Do the common natural pollen trapping media behave similarly? A comparative study of modern palynoassemblages from

- Chhattisgarh, central India. *Quaternary International* 444, 217-226.  
<http://dx.doi.org/10.1016/j.quaint.2016.04.041>
2. Dubey J., Agarwal S, Ghosh R., **Quamar MF**, Morthekai P., Sharma A, Gautam RK, Srivastava V & Ali S. Nawaz\*. (2017). Characteristics of modern biotic data and their relationship to vegetation of the Alpine zone of Chopta valley, North Sikkim, India: implications for palaeovegetation reconstruction. *The Holocene*.  
(Intra-Institutional Collaboration)
  3. **Quamar, M.F.\***, Ali, S. Nawaz, Pandita, S.K., Singh, Y. (2017). Modern pollen rain from Udhampur, Jammu and Kashmir, India: insights into pollen production, dispersal, transport and preservation. *Palynology*. DOI:10.1080/01916/22.2017.1306811 (DST Fast Track Young Scientist Project: SR/FTP/ES-81//2013)
  4. **Quamar, M.F.\***. Ali, S. Nawaz., Nautiyal, C.M. & Bera, S.K. (2017). Vegetation and climate reconstruction based on a ~ 4 ka pollen record from north Chhattisgarh, central India. *Palynology*. DOI: 10.1080/01916122.2017.1279236
  5. **Quamar, M.F.\***. & Bera, S.K. (2017). Pollen records related to vegetation and climate change from northern Chhattisgarh, central India during the Late Quaternary. *Palynology* 41 (1), 17-23. DOI: <http://dx.doi.org/10.1080/01916122.2015.1077172>
  6. **Quamar, M.F.\***. & Bera, S.K. (2017). Pollen analysis of the modern tree bark samples from the Manendragarh Forest Range of the Koriya district, Chhattisgarh (India). *Grana* 56 (2), 137-146.  
DOI: <http://dx.doi.org/10.1080/00173134.2016.1152293>
  7. **Quamar, M.F.\***. & Bera S.K. (2016). Pollen analysis of spider web samples from Korba District, Chhattisgarh (central India): An aerobiological aspect. *Aerobiologia* 32, 645-655. DOI: 10.1007/s 10453-016-94382
  8. **Quamar, M.F.\***. & Bera, S.K. (2016). Study on modern pollen assemblages to interpret palaeoclimate in tropical deciduous forest of Chhattisgarh, central India. *Journal of Geosciences Research (Formerly Gondwana Geological Magazine)*. 1 (2), 165-173.

9. **Quamar, M.F\***. & Nautiyal, C.M. (2016). Mid-Holocene pollen records from southwestern Madhya Pradesh, central India and their palaeoclimatic significance. *Palynology* DOI:10.1080/01916122.2016.1219973
10. **Quamar, M.F.**, Ali, S. Nawaz, Phartiyal, B., Morthekai, P. & Sharma, A\*. (2016). Recovery of palynomorphs from the high-altitude cold desert of Ladakh, NW India: An aerobiological perspective. *Geophytology* 46 (1), 67-73. (ISSN 0376 5561) (Intra-Institutional Collaboration)
11. **Quamar, M.F\***. & Chauhan, M.S. (2015). Pollen-based vegetation and climate change in southwestern Madhya Pradesh, central India during the last 3300 years. *Journal of Palaeontological Society of India*. 60 (2), 47-55
12. **Quamar, M.F\***. (2015). Non-pollen palynomorphs from the Late Quaternary sediments of southwestern Madhya Pradesh (India) and their palaeoenvironmental implications. *Historical Biology* 27 (8), 1070-1078.  
<http://dx.doi.org/10.1080/08912963.2014.933212>
13. **Quamar, M.F\***. & Bera, S.K. (2015). Modern pollen-vegetation relationship in tropical deciduous forest of Koriya District, Chhattisgarh, India. *Grana* 54 (1), 45-52. <http://dx.doi.org/10.1080/00173134.2014.946443>
14. **Quamar, M.F\***. & Bera, S.K. (2014). Vegetation and climate change during the mid and late Holocene in northern Chhattisgarh, central India inferred from pollen records. *Quaternary International* 349, 357-366  
<http://dx.doi.org/10.1016/j.quaint.2014.07.039>
15. **Quamar, M.F\***. & Chauhan, M.S. (2014). Signals of Medieval Warm Period and Little Ice Age from southwestern Madhya Pradesh (India): A pollen-inferred Late-Holocene vegetation and climate change. *Quaternary International* 325, 74-82.
16. **Quamar, M.F\***. & Bera, S.K. (2014). Evidence of low pollen dispersal efficiency of sal (*Shorea robusta* Gaertn. f.): Modern pollen rain study from Manendragarh area of Koriya District, Chhattisgarh (India). *Journal of Applied Bioscience* 40 (2), 92-97

17. **Quamar M.F\***. & Bera S.K. (2014). Ethno-medico-botanical studies of plant resources of Hoshangabad District, Madhya Pradesh, India. Retrospect and Prospects. *Journal of Plant Science and Research*, 1 (1), 1-11.
18. Chauhan, M.S., Kumar, K., **Quamar, M.F\***., & Sharma, A. (2013). Correlation of data on loss-on-ignition and palynology for climate change in southwestern Madhya Pradesh, India. *Current Science*. **104** (3), 299-301.
19. **Quamar, M.F\***. & Chauhan, M.S. (2013). Modern pollen assemblage from mixed tropical deciduous teak (*Tectona grandis* Linn. f.) dominating forests in southwestern Madhya Pradesh, India. *Palaeobotanist*. **62**, 29-37.
20. Chauhan, M.S\*. & **Quamar, M.F.** (2013). Pollen rain deposition pattern in tropical deciduous sal (*Shorea robusta*) forests in Shahdol District, southeastern Madhya Pradesh, India. *Palaeobotanist*. **62**, 47-53.
21. **Quamar, M.F\***. & Chauhan, M.S. (2013). Modern pollen assemblage from surface samples and its relationship to vegetation in Sehore District, southwestern Madhya Pradesh, India. *Geophytology*. **43**, 125-132.
22. **Quamar, M.F\***. & Chauhan, M.S. (2013). Pollen morphological studies of some important tropical plants of Lucknow, Lucknow (Uttar Pradesh), India. *Journal of Palynology*. **49**, 7-18.
23. **Quamar, M.F\***. & Jyoti Srivastava (2013). Modern pollen rain in relation to vegetation in Jammu, Jammu and Kashmir, India. *Journal of Palynology*. **49**, 19-30.
24. **Quamar, M.F\***. & Chauhan, M.S. (2012). Late Quaternary vegetation, climate as well as lake-level changes and human occupation from Nitaya area in Hoshangabad District, southwestern Madhya Pradesh (India), based on pollen evidence. *Quaternary International*. **263**:104-113.
25. Chauhan, M.S\*. & **Quamar, M.F.** (2012). Pollen records of vegetation and inferred climate changes in southwestern Madhya Pradesh (India) since the last ca. 3800 yrs. *Jour. Geol. Soc. India*. **80**:470-480.

26. Chauhan, M.S\*. & Quamar, M.F. (2012). Mid-Holocene vegetation vis-à-vis climate change in southwestern Madhya Pradesh. *Current Science*. **103** (12), 1455-1461.
27. Quamar, M.F. & Chauhan, M.S\*. (2011). Late Holocene vegetation, climate change and human impact in southwestern Madhya Pradesh, India, *Palaeobotanist*. **60** (2): 281-289.
28. Quamar, M.F\*. & Chauhan, M.S. (2011). Pollen analysis of spider webs from Harda District, Madhya Pradesh. *Current Science*. **101** (12): 1586-1592.
29. Quamar, M.F\*. & Chauhan, M.S. (2011). Modern pollen spectra from Hoshangabad District in southwestern Madhya Pradesh, India. *Geophytology*. **41** (1-2): 55-60. (ISSN 0376 5561)
30. Quamar, M.F\*. & Chauhan, M.S. (2010). Modern pollen rain-vegetation relationship in the tropical deciduous teak (*Tectona grandis* Linn. f.) forest in Southwestern Madhya Pradesh. *Geophytology*, **38** (1-2): 57-64.
31. Chauhan, M.S\*. & Quamar, M.F. (2010). Vegetation and climate change in southeastern Madhya Pradesh during late Holocene, based on pollen evidence. *Jour. Geol. Soc. India*. **76**, 143-150.
32. Chauhan, M.S\*. & Quamar, M.F. (2010). Melissopalynological studies of honey from Harda District, Madhya Pradesh. *Phytomorphology*, **60** (3&4): 122-127.
33. Quamar, Md. Firoze\* & Chauhan, M. S. (2007). Modern pollen vegetation relationship in tropical mixed deciduous forest in District Umaria, Madhya Pradesh. *Jour. Palynol.*, **43**, 39-55.

**News and Notes/ News/Meeting Reports:**

1. Quamar, M.F\*. , Chakarborty, A., Azharuddin, S. (2016). Micropalaeontology and Stratigraphy, *Current Science*, 110 (10), 1886.
2. Singh, V.K., Saxena, A., Verma, P., Ranhotra, P.S., Agnihotri, D., Srivastava, J., Manoj, M.C., Quamar, M.F\*. (2016). India International Science Festival (IISF), 2015. *Current Science*, **110** (5), 756-757.



3. Tripathi, S\*., **Quamar, M.F.** & Ghosh, R. (2015). The 5<sup>th</sup> International Conference on the Plants and Environmental Pollution-2014 (5<sup>th</sup> ICPEP-2014). *Jour. Geol. Soc. India*, 85, 633-634.
4. **Quamar, M.F\***. (2013). Conserving biodiversity for sustainable development. *Current Science*, 105 (12), 1659.
5. Dixit, S\*., **Quamar, M.F.** & Kar, R. (2013). The 13<sup>th</sup> International Palynological Congress and 9<sup>th</sup> International Organization of Palaeobotany Conference-2012, Tokyo, Japan. *Jour. Geol. Soc. India*, 81, 854-855.

### **Conferences attended:**

- The XXI *Indian Colloquium on Micropalaentology and Stratigraphy* (**21<sup>st</sup> ICMS**), **BSIP**, Lucknow, Nov. 16-17, 2007.
- Conference on *Plant Life Through the Ages*, **BSIP**, Lucknow, Nov. 16-17, 2008.
- *National Conference and XXVIIIth Convention of Indian Association of Sedimentologists* (IAS-2010), University of Jammu, Jammu, December 22-24, 2010.
- *National Conference on Science of Climate Change and Earth's Sustainability: Issues and Challenges*, The Society of Earth's Scientists, India, **University of Lucknow**, Lucknow, September 12-14, 2011.
- *World Conference on Palaeontology and Stratigraphy* (**WCPS 2011**). Nakhon Ratchasima Rajabhat University, **Thailand**, November 28-December 2, 2011.
- *XXIII Indian Colloquium on Micropalaeontology and Stratigraphy and International Symposium on Global Bioevents in the Earth History* (23<sup>rd</sup> ICMS), Department of Geology, Bangalore University, Bangalore, December 9, 2011- December 11, 2011.
- **13<sup>th</sup> IPC/9<sup>th</sup> IOPC**, Chuo University, **Tokyo (Japan)**, August 23-30, 2012.
- **International Conference on PAGES**, 4<sup>th</sup> *Open Science Meeting*, **Goa**, February 13-16, 2013.
- **International Conference on "Conserving Biodiversity for Sustainable Development"**, Department of Biotechnology and Medical Engineering, **NIT Rourkela (Odisha, India)**, August 16-18, 2013.

- Conclave on “Understanding the Life of Bygone Eras: Emerging Trends”, BSIP, November 14-15, 2013,
- National Conference on Recent Developments in Plant and Earth Sciences (NCRDPES, 2013), BSIP, Lucknow, November 28-29, 2013.
- National Conference on Sedimentation and Stratigraphy” and XXXI Convention of IASs, Deptt. Of Geology, SPPU, Pune, November 12-14, 2014.
- Tropical Ecology Congress 2014 (Tropical Ecosystems in a Changing World), School of Environmental Sciences, JNU, New Delhi, December 10-12, 2014.
- Quaternary Climate Change: New Approaches and Emerging Challenges, BSIP, Lucknow, December 15-16, 2014.
- ICPEP-5, NBRI, Lucknow, February 24-27, 2015.
- IISF 2015 at IIT Delhi, December 4-8, 2015.
- 25<sup>th</sup> ICMS, Institute of Science, Aurangabad, MS, December 18-20, 2015.
- ICGEN IAS 2015, Deptt. of Earth Sciences, Annamali University, TN, January 7-10, 2016.
- 3<sup>rd</sup> Asian NECLIME Conference, BSIP, Lucknow, India, February, 23-27, 2016.
- **Centenary (1916-2016) of Pollen Analysis and the Legacy of Lennart von Post**, The Royal Swedish Academy of Sciences, **Stockholm, Sweden**, November 24-25, 2016.
- TWAS-ROCASA Young Scientists’ Conclave on “Frontiers on Earth and Climate Sciences” at DCCC, IISc., Bengaluru, India during December 5-7, 2016.
- 2<sup>nd</sup> IISF 2016 at NPL, New Delhi, India during December 8-11, 2016.

### **Workshop and training programme attended:**

- Participated in the International Brainstorming Session and Workshop on the Quaternary environments and climates; Emphasis on Holocene and Anthropocene at BSIP, Lucknow, India during February 23-25, 2017.
- Participated in the **CNRS Summer School on POLQUANT 2016** at Moulis, **France** during August 28-September 2, 2016.
- Participated in the **EPD Meeting and Training Workshops** at Aix-en-Provence, **France** during June 1-3, 2016.

- Participated in the workshop on the “Paleontology and Biostratigraphy” at GSI, Lucknow during May 11-16, 2015.
- Participated in the workshop on the “Phylogenetic Biology” at BSIP, Lucknow during March 02-04, 2015.
- 2<sup>nd</sup> HighNoon Spring School on “Adaptation to changing water resources and water demand with glacier retreat, changing monsoon precipitation and related science policy interaction” at the Department of Civil Engineering, IIT Delhi from February 4 to February 7, 2013. (Sponsored by UKaid Department for International Development).
- Participated actively in a training programme on Cenozoic Dinoflagellate cysts from 14<sup>th</sup> February 2011 to 26<sup>th</sup> February 2011 at BSIP, Lucknow.
- Attended a workshop on “Sedimentology and Sequence Stratigraphy” from 26<sup>th</sup> Oct. 2009 to 31<sup>st</sup> October 2009 in BSIP, Lucknow.
- *Indo-US Workshop and National Congress on Molecular Biology and Biotechnology*, School of Life Science, JNU, New Delhi, March 23-28, 2003.

### **Papers presented at**

#### **Conferences/Symposia/Seminars/Colloquia/Meetings:**

- **Quamar MF** & Chauhan, MS (2007). Modern pollen rain study in the tropical mixed deciduous forest in District Umaria, Madhya Pradesh. *XXI Indian Colloquium on Micropalaeontology and Stratigraphy*, **Birbal Sahni Institute of Palaeobotany**, Lucknow, Nov.16-17, 2007.
- Chauhan MS & **Quamar MF** (2008). Vegetation and climate change in southeastern Madhya Pradesh during late Holocene, based on pollen evidence. *Conf. Plant Life through the Ages*, **Birbal Sahni Institute of Palaeobotany**, Lucknow, Nov. 16-17, 2008.
- **Quamar MF** & Chauhan MS. (2010). Vegetation and climate oscillations in southwestern Madhya Pradesh during the last 3300 years, based on pollen evidence. *National Conference and XXVIIIth Convention of Indian Association of Sedimentologists (IAS-2010)*, **University of Jammu**, Jammu, December 22-24, 2010.

- Chauhan, M.S. & **Quamar, M.F.** (2011). Pollen deposition pattern in tropical deciduous sal (*Shorea robusta*) forests in Shahdol District, southeastern Madhya Pradesh, India. **National Conference on Science of Climate Change and Earth's Sustainability: Issues and Challenges**, The Society of Earth's Scientists, India, **University of Lucknow**, Lucknow, September 12-14, 2011.
- **Quamar, M.F.** & Chauhan, M.S. (2011). Mid-Holocene vegetation vis-à-vis climate change in southwestern Madhya Pradesh, India. World Conference on Palaeontology and Stratigraphy (**WCPS 2011**). Nakhon Ratchasima Rajabhat University, **Thailand**, November 28-December 2, 2011.
- **Quamar, M.F.** & Chauhan, M. S. (2011). Late Quaternary vegetation, climate as well as lake-level changes and human occupation in southwestern Madhya Pradesh, India, based on pollen proxy records. *XXIII Indian Colloquium on Micropalaeontology and Stratigraphy (23<sup>rd</sup> ICMS)*, Department of Geology, **Bangalore University, Bangalore**, December 9-11, 2011.
- **Quamar Md. Firoze.** (2012). Palynological behaviour of teak (*Tectona grandis* Linn. F.) and sal (*Shorea robusta* Gaertn. F.): An overview. **13<sup>th</sup> IPC/9<sup>th</sup> IOPC 2012**, Chuo University, **Tokyo** (Japan), August 23-30, 2012.
- **Quamar, M.F.** & Chauhan, M.S. (2013). Correlation between pollen spectra and vegetation of southwestern Madhya Pradesh, India. **International Conference on PAGES, 4<sup>th</sup> Open Science Meeting**, **Goa**, February 13-16, 2013.
- **Quamar, M.F.** & Bera, S.K. (2013). Modern pollen assemblages of surface samples and their relationships to vegetation and climate at Baikunthpur area of Koriya District, Chhattisgarh (India). **International Conference on "Conserving Biodiversity for Sustainable Development"**, Department of Biotechnology and Medical Engineering, **NIT Rourkela, Odisha**, August 16-18, 2013.
- **Quamar, M.F.** & Bera, S.K. (2013). Evidence of low pollen dispersal efficiency of Sal (*Shorea robusta* Gaertn. f.): A case study from the vegetation of Manendragarh Forest Range, Koriya, Chhattisgarh (India). **National Conference on "Recent Developments in Plants and Earth Sciences"**, **BSIP**, Lucknow, November 28-29, 2013.

- **Quamar, M.F.** & Bera, S.K. (2014). An overview on the comparative study of modern palynoassemblages of the natural pollen trapping media from south-western Madhya Pradesh and Chhattisgarh, central India .National Conference on Sedimentation and Stratigraphy” and XXXI Convention of IASs, Deptt. of Geology, **SPPU, Pune**, November 12-14, 2014.
- **Quamar, M.F.** & Bera, S.K. (2014). ). Pollen analysis of tree bark samples from Manendragarh Forest Range of Koriya district, Chhattisgarh (India). Tropical Ecology Congress 2014 (Tropical Ecosystems in a Changing World), School of Environmental Sciences, **JNU, New Delhi**, December 10-12, 2014.
- **Quamar, M.F.** & Bera, S.K. (2014). ). Vegetation and climate change during the mid and late Holocene in northern Chhattisgarh, central India inferred from pollen records. Quaternary climate change: New Approaches and Emerging Challenges, **BSIP, Lucknow**, December 15-16, 2014.
- **Quamar, M.F.** & Bera, S.K. (2015). Pollen records of vegetation and climate change in the northern region of Chhattisgarh, India during the Late Quaternary Period: Signatures of global Younger Dryas and Period of Climatic Optimum. ICPEP-5, **NBRI, Lucknow**. February 24-27, 2015.
- **Quamar, M.F.**, Kamlesh Kumar, Chauhan, M. S. Sharma A. (2015). Late Quaternary climate change from southwestern Madhya Pradesh (central India) based on loss-on-ignition study and palynology. 25th ICMS, Deptt. of Geology, Institute of Science, Aurangabad (MS), December, 18-20, 2015.
- **Quamar, M.F.** & Nautiyal, C.M. (2016). Mid-Holocene pollen records of vegetation history, climate change and human impact from southwestern Madhya Pradesh, central India. ICGEN IAS 2015, Deptt. of Earth Sciences, Annamalai university, Tamil Nadu, India. January 7-10, 2016.
- **Quamar, M.F.** & Chauhan, M.S. (2016). Late Holocene vegetation and climate change from southwestern Madhya Pradesh (central India), based on pollen evidence: Signals of global climatic events. 3<sup>rd</sup> Asian NECLIME Conference, BSIP, Lucknow, India, February, 23-27, 2016.
- **Quamar, M.F.**, Bera, S.K. (2016). Do the common natural pollen trapping media behave similarly? A comparative study of modern palynoassemblages from

Chhattisgarh, central India. POLQUANT 2016, Moulis/Toulouse, **France**, August 28-September, 2, 2016.

- **Quamar, M.F.**, Ali, S.N., Nautiyal, C.M., Bera, S.K. (2016). Vegetation and climate reconstruction based on a ~ 4 ka pollen record from north Chhattisgarh [core monsoon zone (CMZ) of India], central India. Centenary (1916-2016) of Pollen Analysis and the Legacy of Lennart von Post, The Royal Swedish Academy of Sciences, Stockholm, **Sweden**, November 24-25, 2016.
- **Quamar, M.F.** , Ali, S.N., Kumar, K., Meena, N.K., Sharma, A., Bera, S.K. (2016). Monsoonal variations from the “Core Monsoon Zone (CMZ)” of India during the Late Quaternary: A multiproxy approach. TWAS-ROCASA Young Scientists’ Conclave on “Frontiers on Earth and Climate Sciences” at DCCC, IISc., Bengaluru, India, December 5-7, 2016.
- **Quamar, M.F.** (2016). Allergenic potential of the extracted palynomorphs from the natural pollen trapping substrates of central India: A Review. 2<sup>nd</sup> IISF 2016. CSIR-NPL, New Delhi, India, December 8-11, 2016.

### **Lectures delivered:**

- Under the BSIP **Friday Lecture Series** organized by the Institute, I delivered my talk on the assigned topic entitled “*Preliminary Quaternary palynological investigation from southwestern Madhya Pradesh*” on 2<sup>nd</sup> May, 2008.
- Under the BSIP **Friday Lecture Series** organized by the Institute, I delivered my talk on the assigned topic entitled “*Quaternary palaeovegetation and palaeoclimate of central India (Madhya Pradesh)*” on 28<sup>th</sup> May, 2010.
- Under the BSIP **Friday Lecture Series** organized by the Institute, I delivered my talk on the assigned topic entitled “*Late Quaternary vegetation and climate change in southwestern Madhya Pradesh (India), based on pollen evidence*” on 5<sup>th</sup> July, 2013.
- “Late Quaternary vegetation, climate as well as lake-level changes and human occupation in southwestern Madhya Pradesh, India, based on pollen proxy records”, on 15<sup>th</sup> January, 2014. **Dr. B. S. Venkatachala Memorial Lecture.**

- “Surface pollen and its relationship with modern vegetation in tropical deciduous forests of south-western Madhya Pradesh, India: A review”, on 16<sup>th</sup> July, 2014. Ist **POTM Award-April, 2014 Lecture.**
- “Pollen morphology and Plant taxonomy: Role in Palaeoecological Study” on 20<sup>th</sup> May, 2015. BSIP, Lucknow (Ph.D. Course Work)
- “Studies on the Late Quaternary vegetation and climate change in Jammu and Kashmir, India on the basis of pollen proxy records” on 22<sup>nd</sup> May, 2015 at BSIP, 2015.
- “Pollen and Quaternary palaeoclimate: Indian perspectives” on 23<sup>rd</sup> October, 2015, Deptt. of Geology, SPPU, Pune.
- Studies on pollen morphology: An aid in identification of plants” on 17<sup>th</sup> January, 2017. BSIP, Lucknow (Ph.D. Course Work)
- “Reconstruction of past vegetation and climate based on pollen evidence: Indian perspective” on 18<sup>th</sup> January, 2017. BSIP, Lucknow (Ph.D. Course Work)

**PERSONAL DETAILS**

**Name:** MD. FIROZE QUAMAR  
**Father's Name:** MD. QUAMRUZZAMAN

**Sex:** Male

**Date of Birth:** 05/11/1979

**Marital status:** Married

**Citizenship:** INDIAN

**Permanent Address:**

**Dr. Md. Firoze Quamar**  
S/O- Md. Quamruzzaman  
315-C, Zakaria Colony,  
Sadpura, P.O. – Ramna,  
Distt. – Muzaffarpur,  
Pin Code - 842002, Bihar (India)

**Current professional contact details:**

**Dr. Md. Firoze Quamar**  
A1103, 11<sup>th</sup> Floor, The Citadel, TC Main,  
Sarai Sheikh, Satrikh Road, Chinhat, New  
Gomti Nagar, Lucknow,  
Pin Code – 227105, U.P. (India)  
Mob. No.- 9919773919  
**E-mail Address: quamar\_bot@yahoo.co.in**


**Category** : GENERAL  
**LANGUAGES KNOWN** : Hindi, Urdu, and English

**Declaration:**

I, hereby, declare that all the informations given are true to the best of my knowledge.

Date: 30/06/2017

Place: Lucknow



**(MD. FIROZE QUAMAR)**

Signature