

## OBITUARY

### Prof. Brahma Swaroop Tewari



(02.12.1923-01.01.2017)

Prof. Brahma Swaroop Tewari was born on December 2, 1923 at Kanpur. After early education at Kanpur, he shifted to Varanasi to complete Intermediate at Queen's College. He obtained B.Sc. and M.Sc. degrees from the Benaras Hindu University, which was a nursery of several distinguished Earth Scientists who radiated all over the country.

Prof. Tewari's professional career began with JK Fellowship under Prof. Raj Nath at BHU. In 1946 he had an opportunity to meet Prof. Birbal Sahni at Lucknow University. Impressed by the knowledge of the subject and laboratory techniques of Prof. Tewari, Prof. Birbal Sahni appointed him as a lecturer in the Department of Botany and Geology (there was no separate Geology Department at that time). He served the Lucknow University for 20 years. In 1966 he was appointed as Professor in the Geology Department of Panjab University, where later he became Chairman of the Advanced Centre in Geology and Head of the Geology Department. While in the Panjab University, he had a short stint as Head of the Geology Department at Mohan Lal Sukhadia University, Udaipur. He finally retired from the Panjab University in 1983. In 1984 he was appointed Professor and Head of Geology, North Eastern University, Kohima Campus where he continued till 1986.

At the Lucknow University, inspired by the researches of Prof. S. R. N. Rao on foraminifera, Prof. Tewari initiated paleontological investigations of Paleogene and Lower Miocene of Kutch, which included studies of smaller and larger foraminifera, ostracoda and bryozoan. He erected a new species of foraminifera *Spirochypus ranjanae*, named after his daughter Ranjana, who had expired in her infancy. This taxa became a marker at Paleogene-Neogene boundary interval.

After shifting to the Panjab University, Prof. Tewari operated on wider canvas of the Himalaya in Ladakh, Himachal Pradesh, Uttarakhand and Nepal. He was first to report an identifiable fossil from the Nilkanth Formation (Shell Limestone), the bryozoan thus discovered fixed the age of this significant formation as Cretaceous. His main thrust on vertebrate remains of the Siwalik Group and the Indus Formation in Ladakh at the Panjab University was at the suggestion of Prof. M.R.Sahni. These studies led to Ph.D. degrees to several students. Besides the vertebrate studies he carried out studies on Eocene foraminifera of Himachal Pradesh, Uttarakhand and Nepal.

Though known as a palaeontologists, Prof. B. S. Tewari had an intimate knowledge of all the branches of geology including field aspect, which made him a versatile teacher. During his teaching career he supervised 15 students for Ph. D. degree, besides a few M.Phil. dissertations. He published more than 80 research articles in reputed journals. Even after retirement, he continued to take keen interest in academic activities and also inspired his students.

Prof. Tewari held several important positions, more important are: Member Geoscience panel of UGC; Joint Director, UNESCO course, co-sponsored by the UGC, for post-graduates in micropalaeontology; General Secretary, International Palaeontological Union (1964-1968); Member, National Commission on International Union of Geological Science; Director UNESCO Course in Himalayan Geology for Asian and Far Eastern Countries sponsored by the UGC and Panjab University; Member Scientific Evaluation Committee of ISI, Visitorship at the Imperial College of Science and Technology, London under the British Council, U.K.; Member Editorial Board of Sedimentology, Amsterdam and President, Palaeontological Society of India

Prof. Tewari attended several National and International Conferences and worked at the Bristol and Wales universities.

After a brief illness, he breathed his last on January 1, 2017 at a ripe age of 93 years. He leaves behind two sons, two daughters and innumerable students and admirers to mourn his death. In his death, the country has lost a foremost palaeontologist, a distinguished and dedicated teacher and a fine human being.

S.B.Bhatia  
103, Sector 6  
Panchkula 134109

## OBITUARY

### Ravi Shanker



(13.11.1941-03.02.2017)

Mr. Ravi Shanker, born on 13<sup>th</sup> November 1941, was a precocious child. During his School and College days, he was known for his proficiency to write well in Hindi as well in English and as a keen debater. After passing Intermediate, he got admitted to the Lucknow University. Subsequent to post-graduation (M.Sc.) in 1962, he joined the Oil & Natural Commission (now Oil & Natural Gas Corporation) as a Senior Technical Assistant. In ONGC, he investigated the Tertiary sequences of the Himachal Sub-Himalaya. He also traversed through the Chaupal area of the Shimla district and made significant observations.

In 1964, Ravi Shanker joined the Geological Survey of India after securing third position in the Geologists' Examination conducted by the Union Public Service Commission. He continued to serve the Geological Survey of India till he finally retired in 2001 as the Director General.

During his service in the GSI, he made enormous contributions to the Indian Geology. Mapping of the Mussoorie Syncline along with investigation for the phosphorite was his first landmark contribution. His meticulous detailed mapping and carefully planned drill holes led to discovery of minable phosphorite deposit at Maldeota. Even at that young age, he was entrusted with the responsibility of coordinating the phosphorite investigation of the entire Mussoorie Syncline. At the conclusion of the phosphorite investigation, he took up basin analysis of the Krol Belt and brought out interesting data.

There was a cry for alternative source of energy all over the world; consequently, the Northern Region of the Geological Survey of India established Geothermal Unit. Ravi Shanker was made head of this unit. He supervised a team to conduct geothermal investigation at Puga and Chumathang in Ladakh district. The investigation culminated in drilling in Puga. Besides Ladakh, he organised geothermal investigations in the Parvati and Beas valleys in Kullu district, Jeori in Shimla district and Sumdo in the Spiti Valley of Lahul and Spiti district.

Subsequently, he was posted as a Commodity Officer at the CHQ, Kolkata to oversee the geothermal investigations in various parts of the country. On being promoted as director, Ravi Shanker was transferred to Central Region, Nagpur, where he gave a forceful impetus to geothermal investigations in the Central Region. It was here that he planned and prepared the Geothermal Atlas of India, which became an all-time reference book for several agencies. Later he was transferred to Lucknow (Northern Region) as Director of the Himalayan Geology Division, where he gave new direction to the Himalayan Geology. He was subsequently promoted to the rank of Deputy Director General, Northern Region. Finally, he landed at Kolkata as the Director General in 2001.

During his illustrious career, Ravi Shanker served in several committees of national importance with great distinction, attended numerous conferences in India and abroad and in each one of them left an indelible mark. He was a rare geologist who had a sound knowledge of all the branches of geology, including geophysics and drilling operation, which made him a versatile and effective geologist. He has more than 100 publications, most outstanding is the Geothermal Atlas. For his singular contribution to the geoscience, he was decorated with the National Mineral Award.

Besides being a distinguished geologist, Ravi Shanker was an able administrator. He could inspire and persuade his officers to excel in their respective fields and, if necessary, could ruthlessly bulldoze the inept ones into action.

As a recognition of his vision and knowledge, post-retirement, he was nominated by the Ministry of Mines to the Verma Committee to suggest improvements in the working of the Geological Survey of India.

For last one month, he developed ailments requiring hospitalization. He was discharged from the hospital and as his wife told me that he continued to show improvement. But alas in the wee hours of February 3, 2017, he suddenly passed away peacefully.

Such was Ravi Shanker, who true to his name 'Ravi', shone like a Sun throughout his life. In his death, the country has lost a distinguished geoscientist, an able administrator and a dependable friend to so many of us. He shall be missed not only by his wife Manju, daughters Kavita and Vasudha and son Rohit but also by host of friends and admirers. May his soul rest in eternal peace.

## OBITUARY

### Prof. M. P. Singh



(10.09.1957 – 13.04.2017)

Prof. M. P. Singh, an accomplished Coal Petrologist of international repute, left for heavenly abode on 13<sup>th</sup> April, 2017 in Varanasi. Prof. Singh was born on 10<sup>th</sup> September, 1957 and was brought up in the campus of Banaras Hindu University. He was serving as the Head of the Department of Geology, BHU at the time of his sudden demise. He graduated in 1978 and obtained his Ph.D degree in 1981, both from BHU. Prof. Singh had an illustrious career at BHU and led the coal petrology group of an academic department in the country.

He had been working on various aspects of Organic petrology and organic geochemistry making significant contributions in understanding the surface microstructures employing Scanning Electron Microscope, petrographic framework, evolutionary trend, source rock characteristics, organic maturation, hydrocarbon generation, and trace element geochemistry of Permian and Paleogene coals of India. He was instrumental in establishing an Advanced Coal Petrology Lab in the department which is first of its own kind in any Indian University. His current programme included characterization of fire-affected coals (Natural Coke). Prof Singh published over 75 papers in reputed journals. He was a recipient of 'Subrato Ghosh Award' and 'Dr J Coggin Brown Memorial Gold Medal' given by the 'Mining, Geological and Metallurgical Institute of India' for his outstanding contributions in coal petrology. Prof Singh promoted coal science in several professional bodies like International Committee for Coal and Organic Petrology, South Asian Association of Economic Geologists and the Bureau of Indian Standards in its Study Group. His research students have occupied leading positions in various academic and research institutions like CIMFR, ONGC, GSI, Tata Steels Ltd, RGIPT etc.

Prof. Singh was a teacher par excellence and earned lot of praise from the students. He trained the generations of students not only at BHU but extended his services to other universities of the country like Indian School of Mines, Mizoram University and Delhi University; and organizations like Neyveli Lignite Corp. Ltd., Coal India Ltd, CIMFR and many others. It was due to his effort that a new postgraduate program in 'Petroleum Geosciences' could be started in his department.

In true sense he was a friend, philosopher and guide having pleasing personality. His patience and encouragement are responsible for shaping my career; and being his research student, it is a personal loss to me. He is survived by his wife Prof. Meenakshi Singh, a daughter Divya Gautam, a son Aditya Gautam (Mohit) and a large fraternity of friends and students. He will be deeply missed by his family, friends and all who knew him. We pray that his soul may rest in peace and family members gain strength to bear the irreparable loss.

Prof. P. K. Singh  
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Varanasi-221005, India  
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## OBITUARY

### Prof. Anil Kumar Jauhri



(28.12.1949–10.04.2017)

On 8th April, 2017, Dr. Anil Kumar Jauhri was seen in the office of the Palaeontological Society of India in the Department of Geology, Lucknow University, Lucknow (Uttar Pradesh) where the whole day he edited the manuscripts for the Journal of the Society and the next night he went to sleep but never woke up. He passed away peacefully in the early hours of April 10, 2017 at his residence. He was only 67 years old.

Prof. Anil Kumar Jauhri was born in Lucknow (Uttar Pradesh) on 28/12/1949. He obtained his B.Sc. in 1967 and M.Sc. (Geology) in 1969 from the University of Lucknow. Prof. Jauhri had completed his doctorate under the guidance of Prof. K. P. Vimal and later joined the department as a Lecturer in the year 1979 and became Reader in 1992. He rose to the position of Professor of Palaeontology in the year 2000. He superannuated in the year 2012 but never retired in his professional career. He continued teaching and supervising students. He maintained a rigorous research, teaching and editorial schedule throughout his academic career, even during times of heavy administrative responsibilities as Head of the Department of Geology.

Prof. Jauhri was highly rated for his teaching ability, and commitment for research. His ability for editing was manifested when he joined the editorial board of the Journal of the Palaeontological Society of India. It was his efforts that the Journal got the citation index number in 2013 and an international acclaim for its contents.

Prof. Jauhri is known for his outstanding scientific contribution on Coenozoic foraminiferal biostratigraphy of Kacchh and Meghalaya, India. His long collaboration with Prof. P. K. Misra, developed his interest in Coralline algae and later together they published more than 30 research papers, completed 7 research projects and guided 3 Ph. D. theses on integrated aspects of coralline algae and larger foraminifera from the different parts of India. At the time of his death, he was working on the manuscripts of Coralline Algae from the Prang and Kopili formations of the Meghalaya and Hut Bay Formation of Little Andaman, India. It was a sad coincidence that Prof. Misra also a Fellow of the Palaeontological Society of India also passed away a day before the demise of Prof. Jauhri.

The void created with the demise of Prof. Jauhri in the scientific community in general and Palaeontological research community in specific is difficult to be filled. All his students, colleagues and friends will always miss him and remember him for his best qualities like kind hearted, polite, soft spoken excellent human being with complete commitment and devotion to his duties. It is a great loss to all his students. Prof. Jauhri will be remembered by generations of students for advancing their careers.

Prof. Jauhri was a longtime resident of Lucknow and is survived by his wife Suman Jauhri and two sons Yash Jauhri and Kanishka Jauhri; both his sons are well settled and excelling in their respective fields

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## OBITUARY

### **Prof. Pradeep Kumar Misra**



**(06.07.1956 – 08.04.2017)**

Professor Pradeep Kumar Misra, renowned Phycologist of India, passed away on April 8, 2017 in Lucknow. He had been keeping indifferent health for some time in the past. He was 60 years old. The family members, his associates, colleagues, students and friends were grieved in his sad demise that created void in the field of the Phycology. He was survived by his wife Rama Misra and two sons Shivanku Misra and Utkarsh Misra.

Prof. P. K. Mishra was born in Lucknow on 06-07-1956. He received his B.Sc. in 1974; M.Sc. (Botany) in 1977 and Ph.D. in 1983 from the University of Lucknow. Prof. Misra had completed his doctorate under the guidance of Prof. B. N. Prasad and later joined the department as Lecturer in the year 1985. He had promoted to Reader in 1999 and subsequently became Professor of Botany in the year 2008.

Prof. Misra made varied and significant research contribution on living and fossil algae of India. He had published more than 125 research papers, one monograph on fresh water algal flora of Andaman and Nicobar Islands and guided successfully 24 Ph. D. degrees under his supervision. He was widely known for his fossil algal research in India and completed several research projects of DST and UGC on different aspects of fossil algae in collaboration with Prof. A. K. Jauhari.

Professor Misra's friendship style of working, positive approach and humanitarian values made him popular and respectable in research and academic circle. His gracious behavior reflects his qualities as a teachers and researcher that can be emulated by all of us. It is a great loss to all his students. Prof. P. K. Misra will be fondly remembered by all his friends, students and colleagues for his outstanding contributions to the Phycology in India.

Shyam Kishore  
Department of Geology  
University of Lucknow  
Lucknow





## ANNUAL REPORT FOR THE YEAR 2016-17

(Presented at the Annual General Body Meeting on 1st March, 2017.)

Mr. President and esteemed Fellows of the Society

A very warm welcome to you all at the 61<sup>st</sup> Annual General Body Meeting of your Society. I am happy that on the invitation of Prof. Anil K. Gupta Director, Wadia Institute of Himalayan Geology, Dehradun this meeting is being organized at W.I.H.G. at Dehradun. Incidentally this is the first meeting being held out side Lucknow. On behalf of the Society, I express my gratitude to Prof. Gupta.

It is my pleasure to present a brief annual report of the activities of the Society for the year 2016-17.

### Annual General Meeting

The 60<sup>th</sup> Annual General Body Meeting of the Society was held on 1<sup>st</sup> March 2016 under the Chairmanship of Dr. V.P. Misra, Vice-President of the Society in absence of Prof. Ashok Sahni, who was abroad.

### Council Meetings

The Executive Council of the Society met on 4 occasions during preceeding year for transacting the routine business of the Society.

### Lectures

34<sup>th</sup> M.R. Sahni Lecture was delivered on 1st March 2016 by Dr. D.K. Pandey, former Prof. and Head, Geology Department, Rajasthan University, Jaipur on **"Corals and their Significance in palaeoenvironmental reconstruction"**.

18<sup>th</sup> Prof. S.N. Singh Memorial Lecture was given by Prof. Somnath Dasgupta of Jamia Milia Islamia University New Delhi on 21 October, 2016 on the topic **"Tectonothermal Evolution of the Peninsular India during the Proterozoic in the context of Columbia, Rodinia and Gondwana"**

Dr. S.K. Shah former Prof. & Head, Geology Department, University of Jammu was the speaker of 5<sup>th</sup> Prof. R.C. Misra Memorial Lecture. He spoke on **"Regional Stratigraphical Studies and Education : Emerging Scenario"** Lecture was held today in the morning.

### Awards

**M.R. Sahni Memorial Gold Medal** was awarded to Mr. Ashutosh Maurya for securing highest percentage of marks in Palaeontology at 3<sup>rd</sup> & 4<sup>th</sup> Semester (Combined) examinations of 2016 of Lucknow University.

**Prof. R.C. Misra Memorial Lifetime Achievement Award** for the year 2016 has been conferred on Prof. S.K. Shah of Jammu University this morning for his out standing contributions to Geoscience.

The Palaeontological Society celebrated International Fossil Day on 16<sup>th</sup> October at Regional Science Centre, Lucknow. About 200 School Children from Lucknow city and adjoining districts participated. Dr. V.P. Mishra and Dr. Mukund Sharma gave lectures on significance of Fossils. Children took keen interest and interacted with the available palaeontologists.

Under the aegis of Federation of Indian Geoscience

Association. Our Society organized 'Brain Storming Session on Geoscience Education' at the Birbal Sahni Institute of Palaeosciences which was inaugurated by Sri M. Raju, Director General of the Geological Survey of India. Geoscientists for G.S.I., O.N.G.C., B.S.I.P. and representatives of the different Universities participated. Prof. D.M. Banerjee of Delhi University, Prof. Somnath Dasgupta of Jamia Milia Islamia University, Prof. Naveen Chaudhary of Panjab University, Chandigarh beside faculty members of the Lucknow University, took active part in finalisation of the recommendations.

Dr. V.P. Mishra, Prof. M.P. Singh and Prof. D.M. Banerjee participated in FIGA convention held at I.S.M. Dhanbad on 8<sup>th</sup> & 9<sup>th</sup> November '16. Dr. V.P. Mishra and Prof. D.M. Banerjee presented out-come of the Lucknow session.

### Current Membership

Life Member	325
	(Including 5 in current year)
Ordinary Member	01
Honorary Member	02
Institutional Member	02
<b>Total</b>	<b>330</b>

### Publication

The Society publishes SCI Journal of the Palaeontological Society of India biannually besides publishing special volumes and field guide books, as and when required.

### Obituary

Prof. B.S. Tewari, former President and Patron of the Society and Sri Ravi Shanker, former D.G., G.S.I., passed away on 1<sup>st</sup> January and 3 February respectively. The Society expresses its deep sense of sorrow at the sad demise of both the stalwarts of the Society. May their soul rest in peace!

### Acknowledgements

The Society expresses its deep sense of gratitude to the **Department of Science & Technology, Govt. of India** for granting Rs. One lakh for publication of the Journal of the Society. The Society is grateful to Geology Department, Lucknow University and all other faculty members, Staff and students for extending their help and support in the activities of the Society. The Society is indebted to the Wadia Institute of Himalayan Geology for granting Rs. one Lac towards Brainstorming session on Geoscience Education. To Prof. Anil K. Gupta, Director, Wadia Institute of Himalayan Geology, Dehradun, the society expresses its appreciation for inviting to hold this meeting at his institute. The help rendered by Prof. Sunil Bajpai, Director, B.S.I.P. and Sri Umesh Rustogi, Project Coordinator of City Science Centre, Lucknow, is gratefully acknowledged.

In the end, I personally feel obliged to all scientists and other staff of Wadia Institute of Himalayan Geology for their



Prof. Jere H. Lipps of California University, U.S.A. delivering 35th M.R. Sahni Memorial Lecture.



Dr. D.N. Singh, Executive Director and Head of the KDMIPE, ONGC, Dehradun giving Prof. R.C. Misra Lifetime Award to Prof. S.K. Shah, former Head of the Geology Department, Jammu University. Prof. S.K. Shah delivered 5th Prof. R.C. Misra Memorial Lecture

help in organizing the Annual General Body Meeting of the Society. To a large numbers of geoscientists, who extended their help in evaluating the scientific contributions received for publication in the journal of the Society, we express our deep sense of gratitude.

I am thankful to all the members of the Executive Council of the Society and fellows, for their help, support and guidance

in the smooth functioning of the Society. I specially thank Prof. A.K. Jauhri, Prof. S. Kumar and Dr. Shyam Kishore for their painstaking editorial work.

1st March, 2017

M.P. Singh  
Secretary  
Palaeontological Society of India

**THE PALAEOONTOLOGICAL SOCIETY OF INDIA, LUCKNOW**

(Registered under Societies Act, U.P. Govt.)

**STATEMENT OF RECEIPT AND PAYMENTS**

(From 1st April 2015 To 31st March 2016)


RECEIPTS	AMOUNT (Rs.)	PAYMENTS	AMOUNT (Rs.)
<b>Opening Balances:</b>			
F.D.R	1781461.00	Honorarium to Part-Time Worker	75600.00
UCO Bank (A/C No. 16644 )	2853.34	Auditors Fees	11236.00
IOB (1867)	110044.87	Printing & Stationery Expenses	13945.00
Cash in hand	1906.18	Postage Expenses	26796.00
Sub-Total	<b>1896265.39</b>	Telephone & Internet Expenses	22816.00
		Publication Expenses	360070.00
Admission & Subs. Fee	73400.00	Miscellaneous Expenses	9857.00
Sale of Publication,etc	251115.00	M.R Sahni Memorial Lecture Expenses	18557.00
Intrest on S/B A/C	5034.00	Conveyance Charges	1450.00
Intrest on FDR	160215.00	S.N Singh Mem. Lecture Expenses	17585.00
DST Grant (SERB)	85000.00	Website Maintainence Expenses	10250.00
For Donation from Mr.Arun Mishra	100000.00	R.C. Misra Memorial Lecture Expenses	13964.00
		IPA Membership	1835.90
		TDS on Interest On FDR	8641.00
		<b>Closing Balances :</b>	
		Cash in hand	5608.18
		UCO Bank (16644)	2999.34
		IOB (1867)	36783.97
		F.D.R.	1933035.00
			1978426.49
<b>(In Rs.)</b>	<b>2571029.39</b>		<b>2571029.39</b>


**AUDITOR'S REPORT:**

We have checked the above statement of Receipt & Payment of Palaentological Society of India, Lucknow for the period from 1st April 2015 to 31st March 2016 produced before us and information & explanation given to us and found the same correct as per the records.

For Amit Agarwal & Co.  
Chartered Accountants

(CA A.K Agarwal)  
Partner  
Place : Lucknow  
Date : 07.05.2016

  
(Prof. S Kumar)  
Treasurer  
**Treasurer**  
**The Palaeontological**  
**Society of India**

  
(Prof. M.P. Singh)  
Secretary  
**Secretary**  
**Palaeontological Society of India**  
**Geology Department, Lucknow**  
**University, Lucknow-226 607**