

PROF. TANDON SAMPAT KUMAR

Pro-Vice Chancellor
University of Delhi

I. PERSONAL DETAILS

Name : **Tandon Sampat Kumar**
Date of Birth : 13th August, 1945
Nationality : Indian
Present Occupation : Pro-Vice Chancellor, University of Delhi
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ACADEMIC QUALIFICATIONS:

Degree	Year	College/University
Cambridge School Certificate	1961	University of Cambridge
B. Sc. (Hons. School)	1965	Punjab University
M. Sc. (Hons. School)	1966	Punjab University
Ph. D.	1972	University of Delhi

II. ACADEMIC ADMINISTRATION & MANAGEMENT

- Pro-Vice-Chancellor, University of Delhi (2005 onwards)
- Dean (Research) University of Delhi (2001-2006)
- Dean (International Relations) University of Delhi (2001-2006)
- Dean (Faculty of Science) University of Delhi (1992-93)
- Head, Department of Geology, University of Delhi (1990-1993)
- Chairperson, Academic Reforms and Accountability Committee, University of Delhi (2002-2003)
- Chairperson, Empowered Committee for Restructuring Undergraduate Science Programs, University of Delhi (2002-2005)
- Chairperson, Empowered Committee for Designing B.Sc. (Hons.) Computer Course, University of Delhi
- Chairperson, Empowered Committee, Restructuring M.Phil Courses, University of Delhi
- Chairperson, Governing Body, Ramlal Anand College, University of Delhi, 1994-95

- Chairperson, Managing Committee, D. S. Kothari Hostel, University of Delhi, 1999-
- Coordinator, UGC Special Assistance Program, Department of Geology, University of Delhi, 1990-1993
- Member, Executive Council, University of Delhi, 1992-93; 2005 onwards
- Member, Academic Council, University of Delhi, 1990-93, 2000-2002; 2005 onwards
- Member of Governing Bodies of various colleges of the University of Delhi
- Member of various academic bodies such as Board of Research Studies, Faculty of Science and various Committees such as the Library Committee, Publications Committee and the Internet Access Facility Committee of the University of Delhi

GOVERNING BODIES OF COLLEGES/CENTRES/HOSTELS/BOARDS

- Chairman, Governing Body, University College of Medical Sc.
- Chairman, Governing Body, Dr. B.R. Ambedkar Centre for Bio-Medical Research
- Chairperson, Governing Body of Ram Lal Anand College
- Chairperson, Managing Committee of D. S. Kothari Hostel
- Member, Governing Body, Acharya Narendra Dev College
- Member, Governing Body, Dyal Singh College
- Member, Governing Body, Ramjas College
- Member, Governing Body, Delhi College of Engineering
- Member, Board of Inter-disciplinary studies
- Member, Publication Committee
- Member, Library Committee
- Chairman, Governing Body of DULS
- Member, Managing Committee, Mansarovar Hostel
- Member, Managing Committee, ISHM
- Member, BRS, Faculty of Science
- Chairperson, Works Advisory Board
- Member, Finance Committee
- Chairman, Delhi University Teachers' Welfare Fund

III. AWARDS AND ELECTION TO ACADEMIES

- INSA Young Scientists Medal, Indian National Science Academy, New Delhi - 1974
- Krishnan Gold Medal, Indian Geophysical Union, NGRI, Hyderabad - 1985
- Fellow, Indian Academy of Sciences, Bangalore - 1987
- Bhatnagar Prize in Earth Science, Council of Scientific and Industrial Research, Delhi - 1988
- Fellow, Indian National Science Academy, New Delhi - 1999
- Fellow, National Academy of Sciences, Allahabad -1999

- K.P.Rode Lecture Memorial Award, Indian Science Congress Association, 2000
- Fellow, Third World Academy of Sciences - 2001
- Councillor, International Union of Geological Sciences (IUGS) – 2010-2014
- Knight of the Order of Academic Palms (Chevalier dans l'Ordre des Palmes Academiques) by France, 2009

IV SELECTED LECTURES

- M. R. Sahni Memorial Lecture, Panjab University, Chandigarh, 1997
- Platinum Jubilee Lecture in Earth Sciences Section, Indian Science Congress Association, 2001
- First Chanda Memorial Lecture, Department of Geological Sciences, Jadavpur University
- 50th Sir Albert Seward Memorial Lecture, Birbal Sahni Institute of Palaeobotany, 2004
- CSIR Foundation Day Lecture, National Geophysical Research Institute, Hyderabad, 2004
- Institute Lecture at IIT, Kanpur, 2004
- VII Karunakaran Endowment Memorial Lecture Award, Centre for Earth Science Studies, Tiruvananthapuram, 2006
- Invited Lecture at IISc Centenary Inter-disciplinary Workshop, 2008
- West Memorial Lecture, Wadia Institute of Himalayan Geology, 2009

V OTHER PROFESSIONAL ACTIVITIES

- Elected Secretary, Geological Society of India, Bangalore - 1986-1989, 1989-1992
- Vice-President, Indian Association of Sedimentologists, Aligarh - 1989-1995
- Re-elected Secretary of the Geological Society of India -1998-2001
- Regional Coordinator, India for IGCP 350 - Cretaceous Environmental Change in East and South Asia - 1993-1998
- Co-Leader, IGCP 449, Global Correlation of Late Cenozoic Fluvial Deposits - 2000-2004
- President, Indian Association of Sedimentologists (2003-)
- Vice-President , Indian Mineralogists Association, Mysore (2005-)
- Vice-President, Geological Society of India, Bangalore (2008-2010)
- Member, Editorial Board, Current Science (2003-)
- Reviewed research papers for several International journals such as Journal of Sedimentary Research; Sedimentology; Sedimentary Geology; Quaternary International; Quaternary Science Reviews; Earth Science Reviews; Palaeogeography, Palaeoecology; Palaeoclimatology; Progress in

Physical Geography; Island Arc; Gondwana Research Journal of Sedimentary Research Geological Society of America, Land Degradation and Development and national journals such as Journal Geological Society of India; Current Science; Journal of Earth Systems Science; Palaeobotanist; Journal of Himalayan Geology

VI FELLOWSHIP / MEMBERSHIP OF ACADEMIC BODIES

- Life Fellow, Geological Society of India, Bangalore
- Life Member, Indian Geophysical Union, Hyderabad
- Life Member, Indian Association of Sedimentologists, Aligarh
- Life Member, Indian Geological Congress, Roorkee
- Life Member, Indian Society for Pre-History and Quaternary Studies, Pune

VII VISITING ASSIGNMENTS

- INSA- Japan Society for Promotion of Science, Visiting Scientist at the Institute of Geosciences, Shizuoka University, Shizuoka, Japan from March to November, 1981
- Visiting Professor, Department of Land Resource Science, University of Guelph, Guelph, Canada, August-September, 1982
- Royal Society Visitorship from May 1984 - March 1985 at the Department of Earth Sciences, University of Cambridge (U.K.)
- Visiting Scientist, CNRS, France, October-November, 1985
- INSA- Japan Society for Promotion of Science, Visiting Scientist, at the Institute of Geosciences, Shizuoka University, Shizuoka, Japan from March to September, 1988
- INSA-Royal Society Visiting Scientist at the School of Environmental Sciences, University of East Anglia, Norwich, U.K. September- October 1992 and April to June 1997.
- Canadian Commonwealth Fellow from May 1993 to May 1994 at the Department of Earth Sciences, Dalhousie University, Halifax (N.S.), Canada
- INSA-DFG Visiting Scientist, University of Karlsruhe, Germany, May – June, 2002
- Member of visiting delegation of Vice-Chancellors to various scientific institutions and academic institutions in France - 2006
- Led a Delhi University delegation to the Kabul University, Kabul Afghanistan under a World Bank Project – 2006
- Exchange visit to Geological Institute, Budapest, Hungary – (Sept. – Oct. 2006, for 2 weeks) under DST sponsored Indo-Hungarian Research Project
- Exchange visit to Geological Institute, Budapest, Hungary – (June – July 2007, for 2 weeks) under DST sponsored Indo-Hungarian Research Project
- Exchange visit to Department of Geography, University of Durham under Indo-UKEIRI Program (June, 2008 & June, 2009)

VIII RESEARCH COLLABORATIONS WITH OTHER INSTITUTIONS IN INDIA/ABROAD

- Institute of Geosciences, Shizuoka University, Shizuoka, Japan (with Prof. H. Okada; 1981-1982)
- Department of Earth Sciences, University of Cambridge, Cambridge, U.K. (with Dr. P. F. Friend; 1984-85)
- Wadia Institute of Himalayan Geology, Dehra Dun (with Dr. Rohtash Kumar, Dr. V. C. Thakur; 1986-1988)
- Physical Research Laboratory, Ahmedabad (Prof. A. K. Singhvi; 1992-2000)
- Department of Earth Sciences, Dalhousie University, Halifax, Canada (with Prof. M. R. Gibling; 1993-1997, 2000-2007)
- Central Arid Zone Research Institute, Jodhpur (Dr. R. P. Dhir; 1995-2000)
- Deccan College of Post graduate Studies, Pune (Dr. S. Mishra; 1995-2000)
- I. I. T., Mumbai (Dr. C. Gundu Rao; 1995-2000)
- School of Environmental Sciences, University of East Anglia, Norwich, U. K. (with Dr. J. E. Andrews; 1997-2001)
- I. I. T., Engineering Geosciences Laboratory, Kanpur (Prof. Rajiv Sinha; 2000-2009)
- Institute of Mineralogy and Geochemistry, University of Karlsruhe, Karlsruhe, Germany (with Prof. D. Stuben; 2002-2006)
- Geological Survey of India, Faridabad (Dr. H. S. Saini, Dr. N. C. Pant and Dr. S. A. I. Mujtaba; 2002-onwards)
- Geological Institute, Budapest, Hungary (2006-2007, Dr. Annamaria Nador)
- Institute of Hazard Risk and Research, University of Durham (Dr. Alex Densmore, 2008-2010)

IX COMMITTEES AND BOARDS

- Nominated as Member, Science and Engineering Council and Chairman, Projects Advisory Committee (Earth Sciences), Department of Science and Technology, Government of India, (1998-2000)
- Member, Research Advisory Committee of the Wadia Institute of Himalayan Geology (1988-1991, 1991-1994)
- Member, Governing Body of the Wadia Institute of Himalayan Geology, (1994-1997); (2000-2003)
- Member, Research Advisory Committee of BSIP, Lucknow (1991-1994 and 1997-2000)
- Member of the Projects Advisory Committee of DST, Government of India (1994 -1997)
- Member of the Management Advisory Committee of Young Scientists Program, DST, Government of India (1990-1995)
- Member, Sectional Committee (Earth and Planetary Sciences), Indian Academy of Sciences, Bangalore (1996-1998)
- Chairman, PAC (ES), Department of Science and Technology, Government of India (1998-2000)

- Member of the Indian National Committee of the IUGS formed by the Indian National Science Academy, (1997-2000)
- Member, Sectional Committee (Earth Sciences), Indian National Science Academy, (2000-2003)
- Member, Advisory Committee of HRDG, CSIR, (2001-2005)
- Member, Projects Advisory Committee, Integrated Long-Term Program (ILTP) of collaboration between India and Russia, Department of Science and Technology (2001-2004)
- Member, Projects Advisory Committee, Central Groundwater Board, Government of India, (2001-2004)
- Member, Expert Committee set up for the restructuring and reorganization of the Geological Survey of India (2002-2003)
- Chairman, PAC (ES), Department of Science & Technology, Govt. of India (2004 -2007)
- Member, Expert Committee set up for the review and reorganization of the Center for Earth Science Studies (CESS), Trivandrum (2004)
- Convener of Editorial Committee constituted for Nurturing Research Culture in Higher Education Institutions in India by the University Grants Commission (2004)
- Chairman, Research Advisory Committee, Wadia Institute of Himalayan Geology, Dehra Dun (2004 -2007)
- Chairperson, Young Scientists Fast Track Scheme (Earth Sciences), DST (2005-2008)
- Member, Expert Committee for XI Plan for Earth Systems Science, CSIR (2006)
- Member, Technical Advisory Committee, Indian Statistical Institute, Calcutta (2006-2008; 2008-2010)
- Member, Sectional Committee (Earth Sciences), Indian Academy of Sciences, Bangalore (2006-2008, 2008-2010)
- Member, DST Committee on Shallow Subsurface Studies (2007)
- Chairperson, Young Scientists Fast Track Scheme (Earth Sciences), DST (2008 -)
- Member, Advisory Committee of the C-MMACS, Bangalore, (2008 -)

X. COMPLETE LIST OF PUBLICATIONS

1. Jain, V. and **Tandon, S.K.** 2010 (In press) Conceptual assessment of (dis)connectivity and its application to the Ganga river dispersal system, **Geomorphology**.
2. Integrated analysis of structures and landforms of an intermontane longitudinal valley (Pinjaur Dun) and its associated mountain fronts in the NW Himalaya (2010) **Geomorphology**, 114 (4), 573-589
3. Dhir, R.P., Singhvi, A.K., Andrews, J.E., Kar, A., Sareen, B.K., **Tandon, S.K.**, Kailath, A., Thomas, J.V. (2010) Multiple episodes of aggradation and calcrete formation in Late Quaternary aeolian sands, Central Thar Desert, Rajasthan, India. **Journal of Asian Earth Sciences**, 37(1), 10-16

4. Saini, H.S., **Tandon, S.K.**, Mujtaba, S.A.I., Pant, N.C., and Khurana, R.K. (2009) Reconstruction of buried channel-floodplain systems of the northwestern Haryana Plains and their relation to the Vedic Saraswati. *Current Science*, 97,11, 1634-1643
5. *Sinha, R., Kettanah., Y, Gibling, M.R., **Tandon, S.K.**, Jain, M., Bhattacharjee, P.S., Dasgupta, A.S. and Ghazanfari, P. (2009) Craton Derived alluvium as major sediment source in the Himalayan Foreland Basin of India, **Bulletin Geol. Soc. Amer.**, V121, 11/12, 1596-1610
6. *Rahaman, Waliur. Singh, Sunil K. Sinha, Rajiv., and **Tandon, S.K.** (2009) Climate control on erosion distribution over the Himalaya during the past ~ 100 ka, **Geology**, 37, 559-562
7. *Singh B.P., and **Tandon, S.K.**, Singh G.P., and Pawar, J.S. (2009) Paleosols in early Himalayan Foreland Basin sequences demonstrate latitudinal shift-related long-term climatic change, **Sedimentology** 56, 1464-1487
8. **Tandon, S.K.**, Sinha, R., Gibling, M.R., Dasgupta, A.S. and Ghazanfari, P. (2008) Late Quaternary evolution of the Ganga Plains : myths and misconceptions, recent developments and future directions, **Memoir Geol. Soc. India.**, 66, 259-299
9. * Singh V., and **Tandon, S. K.**, (2008). The Pinjaur Dun (intermontane longitudinal valley) and associated active mountain fronts, NW Himalaya: Tectonic Geomorphology and Morphotectonic evolution. **Geomorphology**. V102, 376-394
10. Singh, V., **Tandon, S. K.**, Vaibhava Singh, Malay Mukul and Edit-Thamó Bozsó (2008). Geometry and development of the Jhajara Thrust: an example of neotectonic activity in the Pinjaur Dun, NW Himalaya. **Current Science**, vol. 94, 5, 623-628.
11. *Gibling, M. R., Sinha, R., Roy, N. G., **Tandon, S. K.**, Jain, M. (2008). Quaternary fluvial and eolian deposits on the Belan River, India: paleoclimatic setting of Paleolithic to Neolithic archeological sites over the past 85,000 years. **Quaternary Science Reviews**, 27, 391-410.
12. ***Tandon, S.K.** and Sinha, R. (2008) Geology of large river systems. In: **Large Rivers: Geomorphology and Management**, (ed. Avijit Gupta), John Wiley and Sons, UK, 7-28
13. *Sinha, R., Kumar, R., Sinha, S. **Tandon, S.K.** and Gibling, M.R. (2007). Late Cenozoic fluvial successions in India: an overview and synthesis. **Quaternary Science Reviews**, 26, 2801-2822.
14. *Sinha, R., Bhattacharjee, P., Sangode, S.J., Gibling, M.R. and **Tandon, S.K.**, Jain, M. Godfrey, D. (2007). Valley and interfluvial sediments in the southern Ganga plains, India: exploring facies and magnetic signatures. **Sedimentary Geology** 201, 386-411
15. *Meetei, L.I., Pattanayak, S.K., Bhaskar, Arun, Pandit, M. K., **Tandon, S. K.** 2007. Climatic imprints in Quaternary valley fill deposits of the middle Teesta valley, Sikkim Himalaya. **Quaternary International**, 159, 32-46
16. *Singh, Vimal, **Tandon, S. K.** 2007 Evidence and consequences of tilting of two alluvial fans in the Pinjaur dun, Northwestern Himalayan Foothills. **Quaternary International**, 159, 21-31

17. *Tripathi, J.K., Ghazanfari, P., Rajamani, V., **Tandon, S. K.** 2007 Geochemistry of sediments of the Ganges alluvial plains: Evidence of large-scale sediment recycling. **Quaternary International**, 159, 119-130
18. ***Tandon, S.K.**, Gibling M.R., Sinha R., Singh V., Ghazanfari P., Dasgupta A., Jain M. and Jain V. 2006. Alluvial valleys of the Gangetic Plains, India: causes and timing of incision. In: Incised Valleys in Time and Space, **SEPM Special Publication** No. 85, 15-35
19. *Sinha, R., **Tandon, S. K.**, Sanyal, P., Gibling, M. R., Stuben, D., Berner, Z., Ghazanfari, P. 2006. Calcretes from a Late Quaternary interfluvium in the Ganga Plains, India: Carbonate types and isotopic systems in a monsoonal setting. **Palaeogeography, Palaeoclimatology, Palaeoecology**, 242, 214-239
20. Saini, H. S., **Tandon, S. K.**, Mujtaba, S. A. I., Pant, N. C. 2005 Lake deposits of the northeastern margin of the Thar Desert: Holocene Palaeoclimatic Implications. **Current Science**, Vol. 88, No. 12, 1994-2000
21. **Tandon, S. K.** 2005. The Science of the Earth, and Earth Science education in India. Commentary. **Current Science**, Vol. 88, No. 4, 546-547
22. Sinha, R., Gibling, M. R., Tandon, S.K., Jain, V. and Dasgupta, A. S. 2005. Quaternary stratigraphy and sedimentology of the Kotra section on the Betwa River, Southern Gangetic Plains, Uttar Pradesh. **Jour. Geol. Soc. Ind.**, 65, 441-450
23. *Gibling, M. R., **Tandon, S. K.**, Sinha, R., Jain, M. 2005 Discontinuity-bounded alluvial sequences of the Southern Gangetic Plains, India: aggradation and degradation in response to monsoonal strength. **Jour. Sed. Res.**, Vol. 75, 3, 373-389
24. *Jain, M., **Tandon, S.K.**, Mishra, S., Singhvi, A., and Bhatt, S.C. 2005. Quaternary alluvial stratigraphic development in a desert river, Western India. In Blum, M. and Marriott, S. (eds.) **Fluvial Sedimentology VII: International Association of Sedimentologists (Spec. Publ.)** 35, 349-371
25. *Sinha, R. Gibling, M. R., Jain, V. and **Tandon, S. K.** 2005 Sedimentology and avulsion patterns of the anabranching Bagmati river in the Himalayan foreland basin, India, **Fluvial Sedimentology VII: International Association of Sedimentologists (Spec. Publ.)** 35, 181-196
26. Sinha, R., **Tandon, S. K.**, Gibling, M. R., Bhattacharjee, P. S., & Dasgupta, A. S. 2005. Late Quaternary Sequences of the Gangetic alluvial plains, **Himalayan Geology**. Vol. 26 (1), pp. 223-240
27. Jain, M., **Tandon, S.K.**, and Bhatt, S. C. 2004 Late Quaternary stratigraphic development in the Luni, Mahi, and Sabarmati river basins, Western India: A review. **Proc. Ind. Acad. Sci. (Earth Planetary Sci.)**, 113, No. 3, pp. 453 - 471
28. Dhir, R. P., **Tandon, S.K.**, Sareen, B. K., Rao, T. K. G., Kailath, A. and Ramesh, R. 2004 Calcretes in the Thar desert: Genesis, chronology and Palaeoenvironment. **Proc. Ind. Acad. Sci. (Earth Planetary Sci.)**, 113, No. 3, pp. 473 - 515
29. Vimal Singh and **Tandon, S.K.** 2004. Facies association and sedimentary petrological characteristics of Lameta sequences of the Dongargaon area, Central India, **Jour. Geol. Soc. India**. Vol. 63, pp.39-50
30. *Jain, M. and **Tandon, S.K.** 2003 Fluvial response to Late Quaternary climatic changes, Western India, **Quat. Sci. Rev.** Vol. 33, pp. 2223-2235

31. Jain, M. and Tandon, S.K. (2003), Quaternary alluvial stratigraphy and palaeoclimatic reconstruction at the Thar margin, **Current Science**, Vol. 84, No. 8, 1048-1055
32. Singh, B.P. and **Tandon, S.K.**, (2002) Calcretes and related palaeosols in stratigraphic records of India: A review, **Jour. Geol. Soc. India** 60, 75-89
33. Sinha, R., Khanna, Madhur., Jain, V., and **Tandon, S. K.** (2002) Mega-geomorphology and sedimentation history of parts of the Ganga-Yamuna plains, **Current Science**, Vol. 82, No. 5, 526-566
34. ***Tandon, S.K.**, (2002) Records of the influence of volcanism on contemporary sedimentary environments in central India, **Sed. Geol** 147, 177 - 192
35. ***Tandon, S. K.**, (2002) Professor S.K. Chanda: A guiding force in Indian Sedimentology, **Sed. Geol.** 147, 9 - 11
36. **Tandon, S.K.**, (2001) Palaeoenvironments of Late Cretaceous sequences of Central India- Update and Synthesis, **Geol. Surv. Ind. Spl. Pub.** No. 64, 121-146
37. ***Tandon, S. K.** and Jain, M. (2001) Late Quaternary Environments- Focus on the Thar and its Margins, In B.Marcolongo (Editor) Proc. of the First Inter. Symposium on the Kampilya Project, NRC of Italy **CNR/IRPI, Padova**, 17-24
38. ***Bajpai, V.N.**, Saha Roy, T.K., and **Tandon, S.K.** (2001) Subsurface sediment accumulation patterns and their relationships with tectonic lineaments in the semi-arid Luni river basin, Rajasthan, Western India, **Journal of Arid Environments**, 48,4, 603-621
39. ***Bajpai, V.N.**, Saha Roy, T.K., and **Tandon, S.K.** (2001) Hydrogeomorphic mapping on satellite images for deciphering regional aquifer distribution: case study from Luni river basin, Thar Desert, Rajasthan, India, **Proc. International Aquifer Systems in Arid Zones- Managing Non-renewable Resources, IHP-V Technical Documents in Hydrology**, No.42, UNESCO, Paris, 45-58
40. ***Tandon, S.K.** and Andrews, J.E. (2001) Lithofacies associations and stable isotopes of palustrine and calcrete carbonates: examples from an Indian Maastrichtian regolith, **Sedimentology**, 48,2,339-356
41. ***Tandon, S.K.** (2000) Spatio-temporal patterns of Environmental changes in Late Cretaceous sequences of Central India, In Editor H.Okada and N.J.Mateer (Eds.) **Cretaceous Environments of Asia, Developments in Palaeontology and Stratigraphy** 17, Elsevier Scientific Publishing Co., 225-241
42. **Tandon, S.K.** (2000) Sedimentology, In: M.S.Srinivasan (Ed.) Significant contributions to Geoscience Research in India during the nineties-A Status Report, 135-145, **Indian National Science Academy**, New Delhi.
43. Mishra,S., Jain,M., **Tandon,S.K.**, Singhvi, A.K., Joglekar,P.P., Bhatt,S.C., Kshirsagar, A., Naik, S., Mukerjee, A. (1999), Prehistoric Cultures and Late Quaternary environments in the Luni basin around Balotra, **Man and Environment**, 24(1), 39-49
44. ***Tandon, S.K.** and Kumar, S., 1999, Semi-arid /Arid Zone calcretes: A review, In A.Singhvi and E. Derbyshire (Eds.), Palaeoenvironmental Reconstruction of Arid lands, **Oxford-IBH**, 109-152

45. *Dhir, R.P., **Tandon, S.K.**, Rajaguru, S.N., and Ramesh R., 1999, Calcretes: Their Genesis and significance in palaeoenvironmental reconstruction in arid Rajasthan, India, **Palaeoecology of Africa**, 25, 23-30
46. **Tandon, S.K.**, Jain, M., and Singhvi, A.K. 1999, Comparative development of Mid-to Late Quaternary fluvial and fluvio-aeolian stratigraphy in the Luni, Sabarmati, and Mahi River Basins of Western India, **Gondwana Geological Magazine**, Special Vol. 4, 1-16.
47. Jain, M., **Tandon, S. K.**, Singhvi, A.K., and Bhatt, S.C., Misra, S., 1999, Physical Stratigraphy and preliminary luminescence chronology of Quaternary fluvial and aeolian sequences in the middle Luni, district Barmer, **Memoir Geological Society of India**, 42, 273-295
48. *Andrews, J.E., Singhvi, A.K., Kailath, A., Kuhn, R., Dennis, P.F., **Tandon, S.K.**, and Dhir, R.P., 1998, Do stable isotope data from calcrete record Late Pleistocene monsoonal climate variation in the Thar Desert of India? **Quaternary Research**, 50, 252-260
49. *Jain, M., Woodcock, N.H. and **Tandon, S.K.**, 1998 Neotectonics of Western India: Evidence from Late Quaternary fluvial sequences, Mahi river, Gujarat, **Jour. Geol. Soc. London**, 155, 897-901
50. ***Tandon, S.K.**, Andrews, J.E., Sood, A., and Mittal S., 1998, Shrinkage and sediment supply control on multiple calcrete profile development: a case study from the Maastrichtian of Central India, **Sedimentary Geology**, 119, 25-45
51. ***Tandon, S.K.** and Gibling, M.R. 1997, Calcretes at sequence boundaries in Upper Carboniferous cyclothems of the Sydney Basin, Atlantic Canada, **Sedimentary Geology**, 112,43-67
52. *Gibling, M.R. and **Tandon, S.K.**, 1997, Erosion Marks on consolidated banks and slump blocks in the Rupen river, northwest India, **Sedimentology**, 44, 339-348
53. ***Tandon, S.K.**, Sareen, B.K., Rao, M.S., and Singhvi, A.K., 1997, Aggradation history and luminescence chronology of Late Quaternary semi-arid sequences of the Sabarmati Basin, Gujrat, Western India, **Paleogeog. Palaeoclim. Paleoecol.**, 128, 339-357
54. ***Tandon, S.K.**, Sood, A., Andrews, J.E., and Dennis, P.F., 1995, Paleoenvironments of the dinosaur- bearing Lameta Beds (Maastrichtian), Narmada valley, Central India, **Paleogeog. Paleoclim. Paleoecol.**, 117, 153-184
55. *Andrews, J.E., **Tandon, S.K.**, and Dennis, P.F., 1995, Concentration of carbon dioxide in the Late Cretaceous atmosphere, **Jour. Geol. Soc. Lond.**, 152, 1-3
56. Sareen, B.K. and **Tandon S.K.**, 1995, Petrographic and granulometric studies of Late Quaternary sediments of the semi-arid Sabarmati Basin, N. Gujrat, India, in: Wadia, S., Korisetter, R., and Kale, V.S. (Eds.) **Quaternary Environments and Geoarchaeology of India**, Memoir 32, Geol. Soc. of India, 258-276
57. ***Tandon, S.K.**, and Gibling, M.R., 1994. Calcrete and coal in Late Carboniferous cyclothems of Nova Scotia- Climate and sea- level changes linked, **Geology**, 22(8), 755-758
58. Salil, M.S., Pattanayak, S.K., Shrivastava, J.P., and **Tandon, S.K.**, 1994. X-ray diffraction study on the clay mineralogy of infra-/ inter-trappean

- sediments and weathered Deccan Basalts from Jabalpur, M.P.: Implication for the age of Deccan Volcanism. **Jour. Geol. Soc. India**, 44, 335-337
59. *Sahni, A., **Tandon, S.K.**, Jolly, A., Bajpai, S., Sood, A., and Srinivasan, S., 1994. Upper Cretaceous dinosaur egg and nesting sites from the Deccan Volcano-sedimentary province of Peninsular India, In Carpenter, K., Hirsch, K., and Horner, J., (Eds.), **Dinosaur Eggs and Babies**, Cambridge University Press, New York, 202-226
 60. Marh, B.S., **Tandon, S.K.**, and Joshi, D.D., 1994. Evidences of paraglacial conditions in the Himalayan Quaternary valley - fill sequence of the Ravi river, In Dikshit, K.R., Kale, V.S., and Kaul, M.N. (Eds.), **India - Geomorphological Diversity**, Rawat Publications, Jaipur, 117-125
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XI IMPACT OF RESEARCH WORK AND CITATION

- Research publications have been cited in several textbooks and reference books in the areas of Sedimentology, Geomorphology, Quaternary Geology and Sedimentary Petrology.
- Two research papers on calcretes published in *Sedimentology*, a major journal in the subject area, were reprinted in a volume on calcrete in the International Association of Sedimentologists Reprint Series (Calcrete – Edited by M. E. Tucker and V. P. Wright).
- Research work has been cited by various workers in papers published in leading journals that include *Nature*; *Geology*; *Bulletin Geological Society of America*, *Journal Geological Society of London*; *Sedimentology*;

Sedimentary Geology; Journal of Sedimentary Research; Palaeogeography, Palaeoecology, Palaeoclimatology; Tectonophysics; Journal of Structural Geology; Quaternary Science Reviews; Earth Science Reviews; Journal of Quaternary Science; Quaternary Research; Journal of Asian Earth Sciences; Progress in Physical Geography; Chemical Geology; Quaternary International; Vegetation History and Archaeobotany, Geosciences Journal; Journal of African Earth Science; Palaeontology; International Journal of Coal Geology; Journal of Geological Society of India; Current Science; Journal of Earth Systems Science; Geomorphology; Geological Quarterly; Review of Palaeobotany and Palynology; Mircropalaeontology; Palaeobiology; Cretaceous Research; Earth Surface Process and Landforms; Candian Journal of Earth Sciences; Journal of Vertebrate Palaeotology; Geochemica et Cosmochimica Acta; Quaternaire; GSA Today; Global Biogeochemical Cycles; Marine Micropalaeontology; Eclogae Geological Helvetica, Geologic en Mijnbow; Zeitschuft fur Geomorphologie; Comptes Rendus, Journal of Geology; Boreas, International Journal of Remote Sensing; Earth and Planetary Science Letters; Ameghiniana; Atlantic Geology; Holocene; Basin Research; Neues Jahrbuch fur Geologie and Palaeontologie; American Association of Petroleum Geologists Bulletin; Environmental Geology; Geological Magazine; Applied Geochemistry; Reviews of Geophysics; Catena; Geobios, Bulletin of Canadian Petroleum Geology; Palaois; Annual Review of Earth and Planetary Sciences; Geophysical Journal International; American Journal of Science; Terra Nova; Scottish Journal of Geology; International Journal of Climatology; Lethaia; Trends in Ecology and Evolution.
