

BIO-DATA

1. Name : **Dr. Sunil Kumar**
2. Date of Birth : 14.06.1964
3. Office Address : Professor of Civil Engg., H.B.T.U. Kanpur – 208002
4. E-mail Address : drsuniljadon@gmail.com

5. **ACADEMIC QUALIFICATIONS:**

Degree	Institution & University	Year of Passing
B. Sc. Engg (Civil Engg.)	Z.H.C.O.E.T., A.M.U., Aligarh	1986
M. Tech. (Structures)	Regional Engg. College, Kurukshetra	1988
Ph. D. (Civil Engg.)	H.B.T.I., Kanpur Univ., Kanpur	1995

M. TECH. DISSERTATION: *Performance of Concrete in Marine Environments*
(Supervisor – **Prof. R.P. Lohtia**)

Ph. D. THESIS: *Structural Reliability under Random Loads and Environmental Effects*
(Supervisor – **Prof. C.V.S. Kameswara Rao**)

6. **EXPERIENCE:**

TEACHING / RESEARCH EXPERIENCE:

Duration	Organisation	Post Held
18.01.2007 to till date	H. B. T. U. Kanpur	Professor
07.12.1999 to 17.01.2007	H. B. T. I. Kanpur	Asstt. Professor
20.06.1996 to 06.12.1999	B. I. E. T. Jhansi	Reader
21.04.1989 to 19.06.1996	H. B. T. I. Kanpur	Lecturer
22.04.1988 to 06.01.1989	R.E.C. Kurukshetra	Research Scholar

ADMINISTRATIVE EXPERIENCE:

Period	Organisation	Designation
2021 – contd.	H.B.T.U. Kanpur	Dean, Students Welfare
2021 – contd.	H.B.T.U. Kanpur	Chief Proctor
2021 – contd.	H.B.T.U. Kanpur	Chairman, Univ. Stud. Act. Comm.
2020 – 2021	H.B.T.U. Kanpur	Co-ordinator, Admission
Sept. 2019 – 2021	H.B.T.U. Kanpur	Dean, Academic Affairs
Jun. 2019 – Sept. 2019	H.B.T.U. Kanpur	Dean, Students Welfare
Aug. 2017 – Contd.	H.B.T.U. Kanpur	I/C Maint. / Chairman Maintenance
2017 – 2018	H.B.T.U. Kanpur	Co-ordinator, Ph.D. Admission

Period	Organisation	Designation
Oct. 2015 – Oct. 2018	H.B.T.U. Kanpur	Head, Civil Engineering Deptt.
Oct. 2015 – Oct. 2018	H.B.T.U. Kanpur	Member Secy., Build. Works Committee
Nov. 2016 – Oct. 2018	H.B.T.U. Kanpur	Dean, School of Engineering
Oct. 2015 – Contd.	H.B.T.U. Kanpur	Convenor, Bldg. Advance Committee
Mar. 2015 – Oct. 2015	H.B.T.I. Kanpur	Dean, Students Welfare
Mar. 2013 – Feb. 2015	H.B.T.I. Kanpur	Nodal Officer, Dr. B.R.A. Engg. College Information Tech., Bijnor
Jan. 2012 – Feb. 2015	H.B.T.I. Kanpur	I/C Maintenance
Jun. 2012 – Contd.	H.B.T.I. Kanpur	Nodal Officer, Civil Works (TEQIP)
Aug. 2012 – Oct. 2014	H.B.T.I. Kanpur	Chairman, House Allotment Committee
Jun 2010 – Dec. 2011	H.B.T.I. Kanpur	Dean, Academic Affairs
2006 - 2009	H.B.T.I. Kanpur	I/C Procurement (Civil works) – TEQIP
Jul. 2006 – Aug. 2012	H.B.T.I. Kanpur	Head, Civil Engineering Department
Jul. 2006 – Aug. 2012	H.B.T.I. Kanpur	Member Secy., Build. Works Committee
Apr. 2005 – 2010	H.B.T.I. Kanpur	Officer Incharge, Civil Maintenance
Jun. 2004 – 2006	H.B.T.I. Kanpur	Asstt. Dean, Planning & Resource Gen.
Jul. 2004 – 2005	H.B.T.I. Kanpur	Asstt. Examination Supdt.
Jul. 2002- Jul.2004	H.B.T.I. Kanpur	Warden, W.C.H. – 1 Hostel
Dec. 2001- Jul.2002	H.B.T.I. Kanpur	Warden, W.C.H. – 3 Hostel
Dec. 1999 – Nov. 2001	H.B.T.I. Kanpur	Officer Incharge, Civil Maintenance
Oct. 2000 – Apr. 2001	H.B.T.I. Kanpur	Officer Incharge, Mech. Maintenance
Jun. 1998 – Oct. 1999	B.I.E.T. Jhansi	Dean Administration
Sept. 1997 – Sept. 1998	Jhansi Engineers Assoc.	Member Secretary
Apr. 1997 – Dec. 1999	B.I.E.T. Jhansi	President, Council of Students Activity
Jul. 1996 –Jun. 1998	B.I.E.T. Jhansi	Officer Incharge Construction
Aug. 1996 – Dec. 1999	B.I.E.T. Jhansi	Warden, Panchvati Bhawan Hostel
Jun. 1992 –Jun. 1996	H.B.T.I. Kanpur	Warden, Hostels(WCH-2, WCH-3, GV)

7. **CONFERENCE / SEMINARS / WORKSHOPS ORGANIZED:**

S. No.	Title	Place	Duration	Responsibility
1.	National Conference on Environmental Aspects of Engineering Practices (ENAEP - 98)	B.I.E.T. Jhansi	17-18 Apr. 1998	Co - Chairman
2.	National Conference on Advances in Cement and Concrete (ACC - 2000)	B.I.E.T. Jhansi	10-11 Mar. 2000	Co - Chairman
3.	National Conference on Advances in Civil Engineering: Perspective in Developing Countries (ACEDEC - 2003)	H.B.T.I. Kanpur	15-16 Feb. 2003	Organising Secretary
4.	Workshop on Disaster	H.B.T.I.	16-21 Mar.	Chairman

	Management and Mitigation	Kanpur	2009	
5.	National Seminar on Low Cost Housing for Urban and Rural Areas	H.B.T.I. Kanpur	26 Nov. 2015	Organising Secretary
6.	Workshop on Re-modelling of Architectural Design of 7 New Polytechnics of Uttar Pradesh	H.B.T.I. Kanpur	14 Dec. 2015	Coordinator
7.	International Conference on Modelling of Environmental & Water Resources Systems (ICMEWRS - 2017)	H.B.T.U. Kanpur	24-26 Mar. 2017	Co - Chairman
8.	National Conference on Recent Advances in Information & Communication Technologies (RAICT - 2017)	H.B.T.U. Kanpur	25-26 Mar. 2017	Chairman
9.	International Conference on Design, Materials and Manufacturing Concepts in Production of Quality Engineering Goods	H.B.T.U. Kanpur	27-29 Mar. 2017	Chairman
10	Workshop on Waste to Profits through Reduce, Recycle & Reuse	H.B.T.U. Kanpur	30 Mar. 2017	Chairman

8. **SHORT TERM TRAINING PROGRAMME / FACULTY DEVELOPMENT PROGRAMME ORGANIZED:**

S. No.	Title	Place	Duration	Responsibility
1.	FDP on Water Resources and Environ. Issues	H.B.T.I. Kanpur	27-28 Nov. 2007	Co - Convener
2.	FDP on Recent Strategies for Remediation of Environ. Pollution	H.B.T.I. Kanpur	25-26 Apr. 2008	Chairman
3.	FDP on Disaster Management and Mitigation	H.B.T.I. Kanpur	17-21 Mar. 2009	Co - Chairman
4.	03 Nos. STTP for Engineers of RED Deptt. on Construction and Maintenance of Cement Concrete Pavements for Rural Roads	H.B.T.I. Kanpur	Jul.-Aug. 2011	Coordinator
5.	STTP for Engineers of RED Deptt. on Construction and Maintenance of Cement Concrete Pavement for Low Volume Roads	H.B.T.I. Kanpur	26-28 Jul. 2013	Coordinator
6.	STTP for Engineers of RED Deptt. on Construction and Maintenance of Cement Concrete Pavement for Low Volume Roads	H.B.T.I. Kanpur	25-27 Oct. 2013	Coordinator
7.	STTP for Engineers of RED Deptt. on Construction and Maintenance of Rural Roads	H.B.T.I. Kanpur	25-27 Oct. 2014	Coordinator
8.	STTP for Engineers of RED Deptt. on Construction and Maintenance	H.B.T.I. Kanpur	27-29 Oct. 2014	Coordinator

	of Cement Concrete Structures			
9.	STTP for Engineers of RED Deptt. on Construction and Maintenance of Cement Concrete Structures	H.B.T.I. Kanpur	18-20 Feb. 2015	Coordinator
10.	STTP for Engineers of RED Deptt. on Construction and Maintenance of Cement Concrete Structures	H.B.T.I. Kanpur	14-16 Sept. 2015	Coordinator
11.	FDP on Simulation Techniques of Power Electronics Converters	H.B.T.I. Kanpur	27 Feb.-4 Mar. 2017	Chairman
12.	STTP for Engineers of RED Deptt. on Innovation & Challenges in Materials & Construction	H.B.T.I. Kanpur	27-29 Oct. 2017	Coordinator

9. **COURSES TAUGHT:**

AT U.G. LEVEL	AT P.G. LEVEL
Applied Mechanics Structural Analysis Concrete Structures Design of Steel Structures Structural Engg. Design and Drawing Structural Dynamics Reliability Anal. & Design of Struct. Advanced R.C.C. Design Earthquake Resistant Design of Struct. Matrix Method of Analysis Environmental Engineering Construction Tech. and Management Engineering Geology Engineering Graphics I Bridge Engg. Advanced Steel Design	Structural Dynamics Advanced Theory of Structures Theory of Plates and Shells Earthquake Resistant Design of Struct. Environ. Chem. & Microbiology Limit State Design of Conc. Structures Solid Waste Management Prestressed Concrete Design Design of Tanks & Reservoirs Concrete Techn. & Prestressed Conc.

10. **THESIS SUPERVISION:**

Ph.D. (Completed)

S.No.	Name of Candidate	Year of Completion	Title of Thesis
1.	A.K. Sahu	2006	Concrete/ Masonry Foundations in Sulphate Bearing Soils and Ground Waters
2.	Pradeep Kumar	2008	Strength and Behavior of FaL-G Binder and its Application in Construction Industry

Ph.D. (In Progress)

S.No.	Name of Candidate	Registration Year	Title of Thesis
1.	Prithvi Pati	2017-2018	Performance Evaluation of Concrete and Mortar with Partial Replacement of Sand with Agricultural Wastes
2.	Sushil Kumar Singh Gaur	2017-2018	Performance of Concrete with Stone Dust as Sand and Demolished Concrete/Rubble Masonry as Coarse Aggregate
3.	Praveen Yadav	2018-2019	Performance of Microbial Calcite Precipitation for Improved Durability of Structures
4.	Yashvardhan Singh Chauhan	2019-2020	Performance Analysis of Concrete/Mortar on Simultaneous Partial Replacement of Cement with Sugarcane Bagasse Ash and Biochar
5.	Sumant K. Singh	2020-2021	Yet to be approved by RDC

M.Tech.

S.No.	Name of Candidate	Year of Completion	Title of Thesis
1.	A.K. Srivastava	1991	Effect of Sulphate on Durability of Concrete
2.	B.N. Singh	1993	Fly ash Utilization in Concrete
3.	L.P. Singh	1993	Investigation of Physical Properties of Bricks Utilizing Fly ash, Lime and Gypsum
4.	Pankaj Srivastava	2006	Effect of Partial Construction in the Analysis of Multistorey Building Frame
5.	Sudhir Singh	2006	Economical Proportions of Intze Type Container for Water Tank
6.	Rajat Kumar Khare	2006	Structural Fire Safety Requirement for Building
7.	Awadesh Kumar Singh	2008	Damping Characteristics of Reinforced Concrete Beam
8.	Nripendra Singh	2008	Simulation of Flow of Heat in Concrete Members
9.	Sharat C Mishra	2008	Design Consideration for Rigid Pavement in Highway Construction
10.	Manish Nigam	2008	Techniques for Survey & evaluation of Fire Loads in Hospital Buildings
11.	Sanjay Kumar	2010	Analysis & Design of Horizontal Directional Drilling for Highway Railway & Waterways Crossing
12.	Rakesh Verma	2012	Design Fire Load in Office Fire Building
13.	Satanand Pathak	2012	Rehabilitation of Highway Bridges
14.	Devendra Singh	2013	Development of Generic Guidelines for Optimum Dimensioning of Overhead Tank
15.	Anand Singh	2013	Comparison of Bare and Masonry Infill

			Wall Frames in Seismic Design of Reinforced Concrete Structures
16.	Purva Rajiv	2013	Power Generation from Municipal Solid Waste
17.	Sweta Goel	2015	Development of Electricity Consumption Forecasting Model using Multiple Regression
18.	Ramesh Chandra	2016	A Comparative Study on Structural Behavior of Multi-storied Building with Shear Walls & Without Shear Wall
19.	Pavan Kumar Saini	2016	Valuation of Heavy Metals Pollution at Jajmau (Kanpur Nagar)
20.	Naqueeb Ahmed	2016	Immobilization of Thermoplastic Wastes as Fine Aggregates in Concrete Mix
21.	Ravindra Kumar Chaudhary	2017	A Comprehensive Sustainability of Assessment of Kanpur City through Energy Analysis Method
22.	Amod Kumar	2017	Modelling and Impact Assessment of Traffic Noise Pollution for Kanpur City
23.	Ashish Kumar Yadav	2017	Liquid Recovery from Bio-Medical Waste Plastic and its Utilization in Compression Ignition (C.I) Engine
24.	Suyash Sankhwar	2017	Utilization of Jetropha Bio Diesel (Ethyl Ester) in Small Capacity Diesel Engine
25.	Shashank Mishra	2018	Effect of Onsite Sanitation System on Borehole Water Quality in Open Defection Free Village
26.	Vikalp Saxena	2018	An Experimental Investigation on the Effect of Sugar Cane Baggase Ash on Compressive Strength of Concrete Mix
27.	Shivendra Pratap Gautam	2018	An Experimental Investigation to Improve Durability of Concrete Used in Sewer Pipes by Partial Replacement of Sand with Blast Furnace Slag
28.	Himanshu Tripathi	2019	Performance of Permeable Concrete for Ground Water Recharge Through Parking area of HBTU Campus Kanpur
29.	Rohit Mishra	2019	Design of Thrust Block for Horizontally and vertically Bend Pipes
30.	Swapnil Tiwari	2019	Performance of Cementitious Binders in Stabilization of Chromium Waste in a Sanitary Landfill
31.	Sanjeev Beniwal	2020	Experimental Study of Partial Replacement of Cement by Waste Glass Powder in Recycled Concrete
32.	Mohammed Talib	2020	Analysis and Modelling of Water Quality Parameters in Ganga River Basin
33.	Atul Mishra	2020	Seismic Pounding Effects in Buildings

11. **RESEARCH PUBLICATIONS** :

RESEARCH PUBLICATIONS (Total Citations = 1008)

(A) **International Journals**

1. **Sunil Kumar and C.V.S. Kameswara Rao**, "Effect of Sulfates on the Setting Time of Cement and Strength of Concrete", *Cement and Concrete Research*, Pergamon Press, U.S.A., Vol. 24, No. 7, 1994, pp. 1237-1244.
2. **Sunil Kumar and C.V.S. Kameswara Rao**, "Sulfate Attack on Concrete in Simulated Cast-in-Situ and Precast Situations", *Cement and Concrete Research*, Pergamon Press, U.S.A., Vol. 25, No. 1, 1995, pp. 1-8.
3. **Sunil Kumar and C.V.S. Kameswara Rao**, "Strength Loss in Concrete due to Varying Sulfate Exposures", *Cement and Concrete Research*, Pergamon press, U.S.A., Vol. 25, No. 1, 1995, pp. 57-62.
4. **Sunil Kumar and C.V.S. Kameswara Rao**, " Fire Loads in Residential Buildings", *Building and Environment*, Pergamon Press, U.K., Vol. 30, No. 2, 1995, pp. 299-305.
5. **Sunil Kumar, C.V.S.K. Rao, John Bensted and Juliet Munn**, A Discussion on the paper "Effect of Sulfates on the Setting Time of Cement and Strength of Concrete", *Cement and Concrete Research*, Pergamon Press, U.S.A., Vol. 26, No. 4, 1996, pp. 641-643.
6. **Sunil Kumar and C.V.S. Kameswara Rao**, "Fire Loads in Office Buildings", *Journal of Structural Engineering, A.S.C.E.*, Vol. 123, No. 3, 1997, pp. 365-368.
7. **Sunil Kumar**, "Influence of Water Quality on the Strength of Plain and Blended Cement Concretes in Marine Environments", *Cement and Concrete Research*, Pergamon Press, U.S.A, Vol. 30, 2000, pp. 345-350.
8. **Sunil Kumar**, "Flyash-Lime-Phosphogypsum Cementitious Binder: A New Trends in Bricks", *Materials and Structures, RILEM*, Vol. 33, 2000, pp. 59-64.
9. **Sunil Kumar**, "Live Loads in Office Buildings: Lifetime Maximum Load", *Building and Environment*, Pergamon Press, U.K., Vol. 37, 2002, pp. 91-99.
10. **Sunil Kumar**, "Live Loads in Office Buildings: Point-in-Time Load Intensity", *Building and Environment*, Pergamon Press, U.K., Vol. 37, 2002, pp. 79-89.
11. **Sunil Kumar**, "A Perspective Study on Flyash-Lime-Gypsum Bricks and Hollow Blocks for Low Cost Housing Development", *Construction and Building Materials*, Elsevier Sc., U.K., Dec. 2002.
12. **Sunil Kumar**, "Flyash-Lime-Phosphogypsum Hollow Blocks for Walls and Partitions", *Building and Environment*, Pergamon Press, U.K., Vol. 38, 2003, pp. 291-195.
13. **A.K. Sahu, Sunil Kumar and A.K. Sachan**, "Performance of Bricks and Brick Masonry in aggressive Chemical Environment", *International Jour. of Struct. Engg. and Analysis*, Vol. 1, No. 2, 2015, pp. 1-12.

(B) **National Journals**

1. **Sunil Kumar**, "Performance of Concrete Exposed to Sulphate Attack," *Civil Engg. & Constrn. Review*, Feb. 1994, pp.20-25.
2. **Sunil Kumar and C.V.S. Kameswara Rao**, "Live Loads in Residential Buildings in Urban and Rural Areas", *The Indian Concrete Journal*, Vol. 68, No. 10, 1994, pp. 541-546.
3. **Sunil Kumar**, "Utilisation of FaL-G Bricks and Hollow Blocks in Buildings", *The Indian Concrete Journal*, Vol. 75, No.7, 2001, pp. 463-467.
4. **Sunil Kumar**, "Live Loads in Residential Buildings – Lifetime Maximum Load", *The Indian Concrete Journal*, Vol. 76, No.4, 2002, pp. 244-250.
5. **Sunil Kumar**, "Live Loads in Residential Buildings – The Result of a Survey", *The Indian Concrete Journal*, Vol. 76, No.3, 2002, pp.157-163.
6. **A.K. Sahu, Sunil Kumar and A.K. Sachan**, "Crushed Stone Dust as Fine Aggregate for Concrete", *The Indian Concrete Journal*, Vol. 77, 2003, No. 1, pp. 845 – 848.
7. **P. Kumar and S. Kumar**, "FaL-G: An Extravagant Ignorance in Low Cost housing", *Jour. of Indian Building Congress*, Vol. 17, No. 01, 2010.
8. **A.K. Sahu, Sunil Kumar and A.K. Sachan**, "Crushed Stone Waste as Fine Aggregate for Concrete" *The Indian concrete Journal*, Vol. 92, 2018, pp. 99-104.

(C) **International Seminars / Conferences**

1. **Sunil Kumar and C.V.S. Kameswara Rao**, "Durability of Materials under Random Exposure Conditions", *Int. Sem. on Civil Engineering Practices in Twenty First Century*, Roorkee, 26-28 Feb., 1996, Proc. Published by New Age India (P) Ltd., New Delhi, Ed. S.K. Kaushik, G.L. Asawa and A.K. Ahuja, Vol. II, pp 751-756.
2. **Sunil Kumar, L.P. Singh and C.V.S. Kameswara Rao**, "Use of FaL-G Bricks in Buildings", *Int. Conf. on New Challenges for Civil Engineers of Developing Countries in the 21st Century*, New Delhi, 29 Feb.- 2 Mar., 1996.
3. **Sunil Kumar**, "Durability of Concrete: Resistance to Sulphate Attack", *Proc. of 5th Int. Conf. on Concrete Technology for Developing Countries*, N.C.B. New Delhi, Nov. 1997, Vol.1, pp. IV-63 – IV-72.
4. **Sunil Kumar**, "Rehabilitation of Fire Damaged Concrete Structures", *Int. Symp. on Innovative world of Concrete*, ICI – IWC – 98, Calcutta, Nov. 1998, pp. 1.107-1.114.
5. **Sunil Kumar**, "Design and Repair Criteria of Concrete Structures against Fire Exposure", *Proc. of 6th Int. Sem. on Cement and Building Materials*, N.C.B. New Delhi, 24-27 Nov., 1998, Vol. 4, pp. XIII-192 – XIII-200.
6. **Sunil Kumar**, "Immobilization of Radioactive Wastes in Portland Based Cement Matrices", *Int. Congress on Creating with Concrete*, Univ. of Dundee, Scotland, U.K., 6-10 Sep., 1999, Proc. Published by Thomas Telford Ltd., London, "Innovation in Concrete Structures Design and Construction", Ed. R.K. Dhir and M.R. Jones, pp.213-222.

7. **Sunil Kumar and B.N. Singh**, “Fly ash – Its Use in Concrete”, ICI – ASIAN Conference on Ecstasy in Concrete, Bangalore, 20 –22 Nov., 2000.
8. **Sunil Kumar**, “Fire Resistance requirements for Concrete Buildings”, Int. Congress on Challenges of Concrete Construction, Univ. of Dundee, Scotland, U.K., 5-11 Sep., 2002.
9. **Sunil Kumar**, “Influence of Fire on the Mechanical Behaviour of Concrete Specimens”, Int. Congress on Challenges of Concrete Construction, Univ. of Dundee, Scotland, U.K., 5-11 Sep., 2002.
11. **Shreya Jadon and Sunil Kumar**, “Use of Sugarcane Bagasse Ash in Concrete as Sand Replacement for Resistance to Sustained Temperatures”, Int. Conference on Innovative Trends in Civil Engg. For Sustainable Development ITCSD-2019, NIT Warangal, 13-15 Sep. 2019, Proc. Published by B.S. Publ., Hyderabad, pp. 135.
12. **Himanshu Tripathi and Sunil Kumar**, “Performance of Permeable Concrete for Ground Water Recharge in HBTU Campus, Kanpur”, Int. Conference on Innovative Trends in Civil Engg. For Sustainable Development ITCSD-2019, NIT Warangal, 13-15 Sep. 2019, Proc. Published by B.S. Publ., Hyderabad, pp. 290.
13. **Swapnil Tripathi and Sunil Kumar**, “Performance of Cementitious Binders in Stabilization of Chromium Waste in a Landfill”, Int. Conference on Innovative Trends in Civil Engg. For Sustainable Development ITCSD-2019, NIT Warangal, 13-15 Sep. 2019, Proc. Published by B.S. Publ., Hyderabad, pp. 329.
14. **Mohammed Talib and Sunil Kumar**, “ Water Quality Index Assessment of Water of Ganga River Basin”, Int. Conf. on Energy and Environmental Technologies for Sustainable Development (Chem-Conflux), MNNIT Allahabad, 14-16 Fe. 2020.

(D) **National Seminars / Conferences**

1. **Sunil Kumar and R.P. Lohtia**, "Durability of Concrete and Cement Products". Proc. of All India Sem. on Durability of Concrete and Cement Products, Nagpur, 22-23 Sept., 1990.
2. **Sunil Kumar**, "Mud for Rural Housing", Proc. of National Seminar on Low Cost Housing for Agro Based Rural Population, Kurukshetra, 22-23 Feb., 1991, pp. A5.1-A 5.14.
3. **Sunil Kumar and C.V.S. Kameswara Rao**, "Live Load and Fire Load Surveys", Proc. of All India Conference on Tall Buildings, Roorkee, 1-3 March, 1993, pp. IV. 11-IV. 17.
4. **Sunil Kumar**, "Durable Concrete in Aggressive Environments", Proc. of Symp. on Structural Engineering and National Development, Kanpur, 27-28 Feb., 1993, pp. 285-296.
5. **Sunil Kumar and C.V.S. Kameswara Rao**, "Improvement of Concrete Durability", All India Seminar on Economics and Management of Concrete Construction and its Maintenance, Allahabad, Published by Wiley Eastern Ltd., 24-25 Feb., 1994, Published by Wiley Eastern Ltd., New Delhi, Ed. Y.P. Gupta, pp. V. 27-V. 32..

6. **Sunil Kumar and C.V.S. Kameswara Rao**, "Economy in Construction by Realistic Live Load Specifications", All India Seminar on Economics and Management of Concrete Construction and its Maintenance, Allahabad, Published by Wiley Eastern Ltd., 24-25 Feb., 1994, Published by Wiley Eastern Ltd., New Delhi, Ed. Y.P. Gupta, pp. II.34. - II. 38.
7. **Sunil Kumar**, "Utilisation of FaL-G Bricks in Low Cost Housing", Proc. of Nat. Sem. on Environmental aspects of Engineering Practices, Jhansi, 17-18 Apr., 1998, pp. 151-157.
8. **Sunil Kumar**, "Effect of Sea Water on the Behaviour of Cement Paste and Concrete", Proc. of Nat. Sem. on Advances in Cement and Concrete, Jhansi, 10-11 Mar., 2000, Proc. Published by Allied Publishers Pvt. Ltd., New Delhi, pp. 30-37.
9. **P. Kumar and S. Kumar**, "Application of Polymer Fibres in Cement Concrete", Nat. Sym. On Environmental Challenges for the New Millennium, HBTI Kanpur, 2000.
10. **A.K. Gupta, A.K. Sachan, A.K. Sahu and Sunil Kumar**, "Stabilization of Black Cotton Soil using Crusher Dust – A Waste Product of Bundelkhand Region", Proc. Indian Geotechnical Conference, 2002, pp. 308-311.
11. **Sunil Kumar**, "Sulphate Attack in Plain and Blended Cements: A Review", Proc. of Nat. Sem. on Advances in Civil Engineering: Perspectives of Developing Countries, Kanpur, 15 - 16 Feb., 2003, Proc. Published by Allied Publishers Pvt. Ltd., New Delhi, pp. 167 - 177.
12. **Pradeep Kumar and Sunil Kumar**, "Fly Ash – Lime _ Gypsum (FaL-G) Cementitious Binder – Its Property in Fresh and Hardened State", Proc. of Nat. Sem. on Advances in Civil Engineering: Perspectives of Developing Countries, Kanpur, 15 - 16 Feb., 2003, Proc. Published by Allied Publishers Pvt. Ltd., New Delhi, pp. 205 - 210.
13. **A.K. Sahu, Sunil Kumar and A.K. Sachan**, "An Experimental Investigation on the Effect of Recycled Aggregate on Concrete Properties", Proc. of Nat. Sem. on Advances in Civil Engineering: Perspectives of Developing Countries, Kanpur, 15 - 16 Feb., 2003, Proc. Published by Allied Publishers Pvt. Ltd., New Delhi, pp. 246 – 250.
14. **S.K. Madan, Gurlabh Singh and Sunil Kumar**, "An Alternative to Ennore Sand for Testing of Ordinary Portland Cement", Proc. of Nat. Sem. on Advances in Civil Engineering: Perspectives of Developing Countries, Kanpur, 15 - 16 Feb., 2003, Proc. Published by Allied Publishers Pvt. Ltd., New Delhi.
15. **P. Kumar and S. Kumar**, "I.T. Based Approach for Approval of High Rise Buildings", Nat. Sem. on Real Estate, I.E.(I), U.P. State Centre, Lucknow, 2007.
16. **Sunil Kumar**, "Sulphate Attack on Concrete: A Review", Proc. of Nat. Conf. on Advances in Constrn. Materials, Methodologies & Management (AC3M-09), 21-22 Jan. 2009, Chaitanya Bharthi Inst. Of Tech., Gandipet, Hyderabad, pp. 105-113.
17. **A.K. Sahu, Sunil Kumar and A.K. Sachan**, "Utilization of Crushed Stone Waste in Concrete", Proc. of Nat. Conf. on Advances in Constrn. Materials, Methodologies & Management (AC3M-09), 21-22 Jan. 2009, Chaitanya Bharthi Inst. Of Tech., Gandipet, Hyderabad, pp. 273-279.

18. Pradeep Kumar and Sunil Kumar, "FaL-G Bricks: A Sustainable Low Cost Housing Material", Proc. All India Sem. on Advances in Materials & Techniques in Construction, 01-02 Oct. 2010, IIT Kanpur, pp. 84-94.

19. Sunil Kumar and Shreya Jadon, "Development of Concrete for Future Needs", All India Sem. on Innovations & Challenges in Materials and Construction, 28-29 Oct. 2017, I.E. (I), Kanpur

12. REVIEWER OF JOURNALS

1. International Journal of Construction and Building Materials, Elsevier Science, U.K.
2. Journal of Hazardous Materials, USA
3. Indian Journal of Engineering & Material Sciences

13. Foreign Visit

Attended International Congress on "CREATING WITH CONCRETE" at **Univ. of Dundee, Dundee, Scotland, U.K.** during 6-10 Sept. 1999.

14. AWARDS

1. S.E.R.C. Visiting Fellowships 1995-96, Deptt. of Sc. & Tech., Govt. of India.
2. S.E.R.C. Visiting Fellowships 1997-98, Deptt. of Sc. & Tech., Govt. of India.

15. Specialised Training

S. No.	Institution / Organisation	Period	
		From	To
1.	B.A.R.C. Mumbai	30.11.1992	11.12.1992
2.	C.B.R.I. Roorkee	01.12.1998	25.01.1999

16. PROFESSIONAL EXPERIENCE:

COMPLETED MORE THAN 1500 CONSULTANCY PROJECTS