



Prof (Dr) Varinder S Kanwar

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With a Ph.D. in Civil Engineering, M.E. in Structural Engineering from Thapar University Patiala, Post Graduate Diploma in Rural Development from IGNOU and BE in Civil Engineering from Jawahar Lal Nehru Engineering College, Dr. Varinder S. Kanwar carries more than 25 years of Research; Teaching and Administrative Experience. He is a fellow of Institution of Engineers and senior member of IEEE.

Academics and Academic Administration

Worked with institutes like NIT Hamirpur, Government Polytechnic Hamirpur, Thapar University Patiala and Punjab Technical University Jalandhar. Apart from being a member of faculty at the above-mentioned institutions, at PTU Jalandhar his duties also involved being *a member of various inspection committees convened to grant affiliation to the University and to assess compliance with regulatory norms.*

He is Member - Governing Body, Chairman - Board of Management, Academic Council and Finance Committee of Chitkara University, Himachal Pradesh. He is an active member of various societies like IEEE, IRC, ICI, Institution of Engineers and Punjab Science Congress. He is on the panel of Board of Studies – Civil Engineering of various other Universities too. Nominated as non-official member of State Level Working Committee - Town and Country Planning Department, Government of Himachal Pradesh. Served as Chairperson as well as member in NAAC Peer Assessment Teams. Actively involved in industrial consultancy and technology development to provide suitable solutions in problems areas such as waste minimization, reuse or recycle of waste generated. Nominated by Quality Council of India to develop a criterion for the accreditation and assessment agency to be empanelled by UGC

Project Management

Incharge of overseeing the construction activities for the new University complex and held the charge of Executive Engineer in addition to his normal duties at Punjab Technical University, Jalandhar. He was In-charge of Building Center at Thapar University created to carry out the research in the construction industry.

Research

- Written 5 books on *Water Supply Engineering, Health Monitoring of Structures, Modern Temples of Resurgent India - Engineering Pilgrimage to Bhakra, Beas and Ranjit Sagar Dam, Characteristics of Asphalt Modified with Industrial Waste Sludge and on Sustainable Civil Engineering Practices*
- Written 40 Research Papers in National and International Journals
- 17 Research Papers in conferences to his credit
- Guided 2 M.E. and 4 Ph.D. students'
- Guiding 8 Ph.D. students in Civil Engineering
- Filed 9 Patents, out of which 5 Published
- Completed 4, Ongoing 5, Government funded research project worth more than 1.35 Crore INR

Major research areas are Health Monitoring of Structures and Alternate Construction Materials. He is also actively participating in joint research activities carried out by Chitkara University, Glasgow Caledonian University UK and ESTP Paris, France. In addition, another joint venture for research with Edith Cowan University and Federal University in Australia is also going on.

His present assignment involves close interaction with Department of Higher Education, Government of Himachal Pradesh, Himachal Pradesh Private Educational Institutions Regulatory Commission, University Grants Commission, AIU and other regulatory agencies.

Professional Recognition/ Award/ Prize/ Certificate, Fellowship received

1. Research paper titled, "Finite Element Modelling of Reinforced Concrete Corners Under Opening Bending Moment" awarded with best paper award by Institution of Engineers and gave E P Nicolaides Prize (Springer Publication) in 2013.
2. Awarded "Excellent Contribution in Education Sector" by CMAI Association of India on April 2017.
3. Research paper titled, "Feasibility of using paper industry sludge containing calcium carbonate in manufacturing bricks" got the best paper award in 2nd International Conference –in August 2018
4. Awarded "National Builder Award" on September 5, 2018 by Rotary Club of India
5. Awarded under individual category for "Excellence in Promotion of Environment Conservation and Sustainable Development" by government of Himachal Pradesh. The award was given by Chief Minister of Himachal Pradesh Sh Jai Ram Thakur Ji on June 5, 2019.
6. Research paper titled, "Water Audit of Chitkara University, Himachal Pradesh – A Zero Discharge Campus" has won the best paper award at International Conference on Maintenance and Intelligent Asset Management held at Manipal Academy of Banking, Bengaluru during January 17-18, 2020.

7. Awarded “Most Innovative Vice Chancellor” by Golden Aim Awards for excellence and leadership in education on August 7, 2020
8. Awarded “Outstanding Concrete Technologist 2020” by Indian Concrete Institute and Ultratech Cement Ltd on September 19, 2020
9. Awarded “Aqua Foundation Excellence Award 2020 under the category of Sustainable Development in Construction and Infrastructure Sector” during International Conference – XIV World Aqua Congress held on October 29, 2020

Government Funded Research Projects – Ongoing

	Name of the Project	Name of Funding Agency	Budget Sanctioned (INR: Lakhs)
1.	Capacity building and technology demonstration for the socio-economic upliftment of SC/ST population in the nearby villages of Himachal Pradesh	Department of Science & Technology New Delhi	27.80 (2019)
2.	Evolutionary studies of cultural sculptures in cultural heritage with non-destructive microwave spectroscopy	Department of Science & Technology New Delhi	37.90 (2019)
3.	XRF Evaluation of soil, water, and plants polluted with garbage and industrial sludge: remedial measures	Department of Environment, Science & Technology, Shimla	10.00 (2019)
4.	Use of Industry Sludge containing calcium carbonate for manufacturing hard grade bitumen	Department of Environment, Science & Technology, Shimla	10.00 (2018)
6.	Landslide Prone area mapping Geospatial Approach: A case study of Shimla district, Himachal Pradesh	SERB, Department of Science and Technology, New Delhi	29.25 (2017)

Government Funded Research Projects / Grant Received for Organising Conferences – Completed

	Name of the Project	Name of Funding Agency	Grant Received (INR: Lacs)
1.	Organizing International Conference on Sustainable Civil Engineering Practices	SERB, Department of Science and Technology, New Delhi	1.00 (2019)

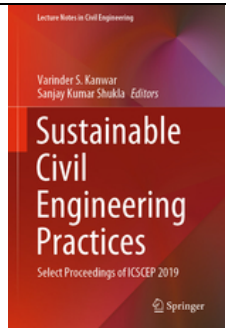
2.	Organizing International Conference on Sustainable Civil Engineering Practices	Department of Science and Technology, New Delhi	1.5 (2019)
3.	Organizing International Conference on Sustainable Civil Engineering Practices	NABL, QCI, New Delhi	1.00 (2019)
4.	Alternative construction material made from industry sludge containing CaCo ₃ and a method to prepare the same	Department of Environment, Science & Technology, Shimla	6.25 (2018)
5.	Vibration analysis of RCC Framed structure	UGC Research Project	0.10 (2002)
6.	MODROBS in Concrete Structures Laboratory: Developed Nondestructive testing facility	AICTE Sponsored Project	10.75 (2002-2004)
7.	Study on use of electroplating industry sludge as construction material	UGC Research Project	0.15 (2000)

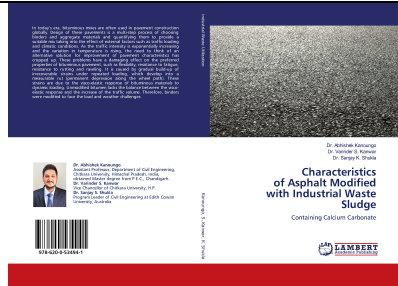

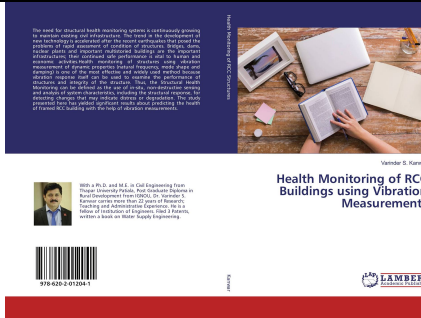
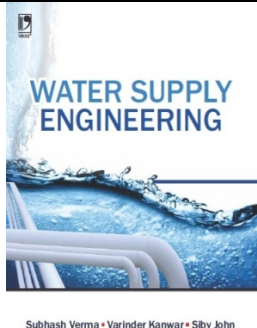
Detail of patents filed

	Patent Title	Applicants Name	Patent No.	Country	Patent Published (On IPO Database)
1.	Alternative Construction Material made from electroplating industry sludge and method to prepare the same	Varinder S Kanwar	498/DE L/2015	India	14-04-2017
2.	Camera accessory for photography in moving vehicle	Vinay Chadha & Varinder Kanwar	2016110 06999	India	22-12-2017
3.	Process to convert toothpaste industry waste sludge into usable form	Varinder S Kanwar Surinder Kumar	2016110 22362	India	16-02-2018
4.	Method of converting lime sludge of paper industry into bricks	Varinder S Kanwar Brij Bhusan Siby John	2017110 03597	India	03-08-2018

5.	Hot mix asphalt modified with toothpaste and paper industry sludge and method of preparation thereof	Varinder S Kanwar, D.C. Rana, Abhishek Kanoungo, Sanjay K Shukla	2018110 20079	India	06-12-2019
6.	An Integrated System and method for Water Management	Nitish Kumar Sharma, Varinder S Kanwar	2020110 05032	India	Publication awaited
7.	System and Device for Structural Monitoring of Sculptures	Debarshi Ghosh, Nitin Saluja, Nitika Dhingra, Varinder S Kanwar, Chanpreet Singh	2020110 33544	India	Publication awaited
8.	Self-curing Concrete comprising of Agro-Waste”	Varinder S Kanwar, Ankush Tanta, Manvi Kanwar	2020110 45914	India	Publication awaited
9.	Bag Filling and Supporting Device	Varinder S Kanwar Ajay Sharma Arun Lal Srivastav	2020110 48866	India	Publication awaited

Details of Books Published

Name of book	Publisher name	Year of Publication / ISSN-ISBN No	
Sustainable Civil Engineering Practices	Springer Nature, Switzerland	2020 ISSN 2366-2557 ISBN 978-981-15-3676-2	

Characteristics of Asphalt Modified with Industrial Waste Sludge	Lambert Publication, Germany	2020 ISBN 978-620-0-53494-1	
Modern Temples of Resurgent India - Engineering Pilgrimage to Bhakra, Beas and Ranjit Sagar Dam	Lambert Publication, Germany	2019 ISBN 978-613-9-44954-5	
Health Monitoring of RCC Buildings using Vibration Measurements	Lambert Publication, Germany	2017 ISBN 978-620-2-01204-1	
Water Supply Engineering	Vikas Publication, New Delhi	2015 ISBN 978-93259-8425-7	

Written Course Material for Continuing Education Programme on the following topics

- Energy generation from waste
- Use of Library Information services as tool for enhancing the knowledge of engineering professionals

Publications in International Journals

	Author	Title	Name of Journal	Volume	Page	Year
1.	Varinder S Kanwar, Ajay Sharma, Arun Lal Srivastav, Lata Rani	Phytoremediation of toxic metals present in soil and water environment; a critical review	“Environment Science and Pollution Research” © Springer Nature Singapore Pte Ltd.	https://doi.org/10.1007/s11356-020-10713-3	1-27	2020
2.	C. Prakasam, Saravanan R, Varinder Kanwar, M.K. Sharma, M Sharma	Assessment of Environmental Changes using GIS Applications	Elsevier, International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278- 3075, Volume-9 Issue-11,	16-20	2020
3.	Prakasam, C., Saravanan, R., Kanwar, Varinder S	Evaluation of environmental flow requirement using wetted perimeter method and GIS application for impact assessment.	Elsevier, International Journal of Ecological Indicators	Volume - 121 Issue-1 ISSN: 1470160	1-7	2020
4.	C. Prakasam, Aravinth R., Varinder S. Kanwar and B. Nagarajan	Comparative Evaluation of Various Statistical Models and Its Accuracy for Landslide Risk Mapping	Chapter in the Book on SLOPE ENGINEERING by Ali Ismet Kanlı. (ISBN 978-1- 83962-924-2)	DOI: http://dx.doi.org/10.5772/intechopen.94347 SCI and Scopus indexed.	1-18	2020
5.	Prakasam, C., Aravinth, R., Nagarajan, B., Kanwar, Varinder S.	Site-specific geological and geotechnical investigation of a debris landslide along unstable road cut slopes in the Himalayan region,	Taylor and Francis Journal on Geomatics, Natural Hazards and Risk	Vol 11 (1), https://doi.org/10.1080/1947570.2019.1645703 ISSN: 1947571 3	1827- 1848	2020

6.	Vijay Kumar Garg, Arun Lal Srivastav, Manoj Kumar Tiwari, Ajay Sharma and Varinder Kanwar	Synchrotron based X-ray fluorescence for the elemental analysis of industrial sludge	Journal of Environmental Treatment Techniques	2021, Volume 9, Issue 1, https://doi.org/10.47277/JETT/9(1)195	192- 195	2020
7.	Nitika Dhingra, Nitin Saluja, Roopali Garg Varinder Kanwar Debarshi Ghosh	Radio frequency based material estimation of old age 3D sculptures	Elsevier publication “Materials Today Proceedings”	https://doi.org/10.1016/j.matpr.2020.05.579 Volume 28, Part 3	2015- 2020	2020
8.	C. Prakasam, R. Aravinth, Varinder S. Kanwar and B. Nagarajan	Comparative Study Between Weighted Overlay and Fuzzy Logic Models for Landslide Vulnerability Mapping—A Case Study of Rampur Tehsil, H.P.	© Springer Nature Singapore Pte Ltd. 2020 229 V. S. Kanwar and S. K. Shukla (eds.), Sustainable Civil Engineering Practices, Lecture Notes in Civil Engineering	Volume 72 ISSN 2366- 2557 ISBN 978-981- 15-3676-2 https://doi.org/10.1007/978-981-15-3677-9	155- 172	2020
9.	Abhishek Kanoungo, Varinder S. Kanwar and Sanjay Kumar Shukla	Evaluation of Moisture Susceptibility of HMA Modified with Waste Sludge	© Springer Nature Singapore Pte Ltd. 2020 229 V. S. Kanwar and S. K. Shukla (eds.), Sustainable Civil Engineering Practices, Lecture Notes in Civil Engineering	Volume 72 ISSN 2366- 2557 ISBN 978-981- 15-3676-2 https://doi.org/10.1007/978-981-15-3677-22	229- 238	2020

10.	Prakasam C., Aravinth R., Kanwar V.S., Nagarajan B.	Landslide Hazard Mapping Using Geo-Environmental Parameters—A Case Study on Shimla Tehsil, HP.	In: Ghosh J., da Silva I. (eds) Applications of Geomatics in Civil Engineering., Springer, Singapore.	Vol 33. ISBN978-981-13-7066-3	123-139	2020
11.	Prakasam, C., Aravinth, R., Nagarajan, B., Kanwar, Varinder S.	Landslide Susceptibility mapping of Settlements and Transportation Corridors along the Himalayan Region	Journal of Green Engineering	Vol 10 (4), ISSN: 22454586	1856 – 1877	2020
12.	Surinder Kumar, Varinder S Kanwar, Upasana Grover	Development of Concrete by Utilizing Toothpaste Industry Sludge Containing CaCo3 as Partial Replacement of Cement and Fine Aggregate	International Journal of Engineering Research and Technology (IJERT)	ISSN: 2278-0181 Volume 9, Issue 4	27-34	2020
13.	Nitish Kumar Sharma, Varinder S Kanwar and H S Kandra	Integrated Urban Water Management for Chandigarh	Test Engineering and Management (TEM) Scopus Journal	ISSN: 0193 - 4120	419-429	2020
14.	Mr. Brij Bhushan, Ms. Upasana Grover, Dr. Siby John, Dr. Varinder S Kanwar	Feasibility of using paper industry sludge containing calcium carbonate in manufacturing bricks	Springer Lecture Notes Series Volume 35 - Advances in Sustainable Construction Materials and Geotechnical Engineering	ISSN 2366-2557 ISBN 978-981-13-7479-1 https://doi.org/10.1007/978-981-13-7480-7	15-28	2019

15.	Abhishek Kanoungo, Varinder S. Kanwar and Sanjay K Shukla	Effect of Aging on Characteristics of Bitumen Modified with Waste Lime Sludge	ASTM Advances in Civil Engineering Materials	doi:10.1520/AC EM20180166 Vol. 8 / No. 1 / 2019	298-308	2019
16.	Abhishek Kanoungo, Varinder S. Kanwar and Sanjay K Shukla	Utilization of waste sludge as a potential additive in asphalt	International Journal of Mechanical and Production Engineering	ISSN: 2320-2092, Volume-7 Issue-9	52-56	2019
17.	Kanoungo, Varinder S. Kanwar and Sanjay Kumar Shukla	Evaluation of mechanical properties of sludge modified bituminous binder	International Journal of Mechanical and Production Engineering	ISSN: 2320-2092, Volume-7 Issue-9	47-51	2019
18.	Brij Bhushan, Varinder S Kanwar, Siby John	Expansion of Concrete by Consuming Waste from Paper Industry	Elsevier, International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278-3075, Volume-9 Issue-2	387-390	2019
19.	Brij Bhushan, Varinder S Kanwar, Siby John	Development of Bricks by Utilizing Waste from Paper Industry	Elsevier, International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278-3075, Volume-9 Issue-2	377-386	2019
20.	Nitish Kumar Sharma, Varinder S Kanwar and H S Kandra	“Water Balance Evaluation of Chandigarh City, India”	Elsevier, International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278-3075, Volume-8 Issue-11,	4072-4083	2019

21.	Varinder Kanwar, Er. Abhishek Kanoungo, and Sanjay Kumar Shukla	Effect of Using Sludge Waste Containing Calcium Carbonate on the Properties of Asphalt and Hot Mix Asphalt Mixture	Springer International Publishing AG, part of Springer Nature 2019 D. Chen et al. (eds.) Advancements on Sustainable Civil Infrastructures	Book ID - 465143_1_En Chapter – 9, https://doi.org/10.1007/978-3-319-96241-2_9	110- 120	2018
22.	C. Prakasam, R. Aravinth and Varindar S. Kanwar	Land Use Land Cover Change Detection & Urban Sprawl Study: A Case Study on Shimla Tehsil	International Journal of Geography, Environment and Earth Science	16(1), ISSN: 2454-7352 https://doi.org/10.9734/JGEESI/2018/42185	1-13	2018
23.	Varinder S Kanwar	Waste to Worth - Sludge Containing Calcium Carbonate into Useful Building Materials - an Indian Context	Trends in Civil Engineering and its Architecture, Lupine Publishers, LLC	Volume 2 Issue 2	173- 174	2018
24.	Surinder Kumar, Varinder S Kanwar, Upasana Grover	Feasibility of using toothpaste industry sludge containing CaCO ₃ in manufacturing bricks	International Journal of Engineering Research and Technology (IJERT)	ISSN: 2278- 0181, Volume-7 Issue-10, October 2018	1-6	2018
25.	Varinder S Kanwar, Siby John	Use of Electroplating Industry Sludge as a Construction Material	MOJ Civil Engineering, MedCrave Publishing, Edmond, Oklahoma, USA	Volume 2 Issue 1	1-8	2017
26.	Varinder S Kanwar, R P Singh, N Kwatra, Pankaj Aggarwal	Monitoring of RCC structures affected by earthquakes	Geomatics, Natural Hazards and Risk, (Taylor & Francis, London, UK)	Vol. 7, No. 1	37-64	2016

27.	Yeshpal Vasistha, AK Gupta, Varinder Kanwar	Medium Triaxial Testing of some Rockfill Materials	Electronic Journal of Geotechnical Engineering	Vol. 18	923- 963	2013
28.	Yeshpal Vasistha, Ashok Kumar Gupta, Varinder Kanwar	Prediction of Shear Strength Parameters of Two Rockfill Materials	Electronic Journal of Geotechnical Engineering	Vol. 17	3221- 3232	2012
29.	Varinder S Kanwar, Naveen Kwatra, Pankaj Aggarwal	Use of vibration measurements in health monitoring of reinforced concrete buildings	International Journal of Structural Integrity	Vol 1, No 3,	209- 232	2010
30.	Varinder S Kanwar, Naveen Kwatra, Pankaj Aggarwal	Health monitoring of RCC building model experimentally and its analytical validation	International Journal of Engineering Computations Emerald Group Publishing Limited Howard House, Bingley, UK,	Vol 25, No 7	677- 693	2008
31.	Varinder S Kanwar, Naveen Kwatra, Pankaj Aggarwal, M.L. Gambhir	Damage detection of framed RCC buildings using ANN modeling.	International Journal of Damage Mechanics”, Sage Publication, USA	Volume 16, No. 4	457- 472	2007

National Journal

	Complete Reference of Journal	Title
1.	Special Issue: University News (Association of Indian Universities), Volume 58 No.33, pp. 45-49, ISSN-0566-2257	“Redefining Indian Universities: An Insight of Education Sector towards Evolution of Industry 4.0 and 5.0”,
2.	University News AIU Journal of Higher Education, Vol 57, No 06, 2019, pp 67-70, ISSN-0566-2257	Strategizing Excellence in Education Across the Globe

3.	Special Issue: University News (Association of Indian Universities), Volume 57 No.39, pp. 144-148, 2019, ISSN-0566-2257	The Gandhian Ideologies for Growth and Sustainability in Contemporary India
4.	J. Inst. Eng. India Ser. A (February–April 2013) 94(1): 23–33 DOI 10.1007/s40030-013-0039-6	Finite Element Modeling of Reinforced Concrete Corners Under Opening Bending Moment
5.	Journal on Today's Ideas– Tomorrow's Technologies, Vol. 1, No. 2, December 2013 pp. 113–122	Effect of Steel Fibers on Reinforced Concrete Opening Corners
6.	Journal of Institution of Engineers. India, Vol 88, No 7, 2008 pp 13-17	Evaluation of dynamic parameters of a three storey RCC building model using vibration techniques
7.	RIMT Journal of Strategic management and information technology, Vol. 3 No.3. pp 43-52, 2006	Disaster management – Vibration monitoring of RCC building mode
8.	Journal of Institution of Engineers Volume 86, pp 53-57, 2005	Nondestructive evaluation of dynamic properties of concrete
9.	Journal of New Building Material and Construction World, New Delhi, Vol. 6, Issue 6, December 2000, pp. 26-37	Various aspects of High Performance Concrete

Papers published in Conference Proceedings

	Title	Name and Place of Conference
1.	Water Balance Model for Chandigarh Region	International Conference on Advancements in Engineering and Technology, Sangrur, Punjab, India (March, ICAET 2020). [1] [SEP]
2.	Integrated Urban Water Management of Chandigarh Region, India” [1] [SEP]	Symposium on Synthesis, Characterization & Processing of Inorganic, Bio and Nano Materials Conference, Chandigarh University, Gharuan, India (December, SCPINM 2019)
3.	Need for integrated urban water management in India – The way forward	International conference on Clean Technology and Sustainable Development, proceedings, NITTTR, Chandigarh, pp 28 - 30., 2018
4.	Estimation of Seasonal Variations in Land Surface Temperature Using Landsat (TIRS &	International conference on Clean Technology and Sustainable Development, proceedings, NITTTR,

	OLI) through Single–Window Algorithm Method–A Case Study.	Chandigarh, pp 466 - 473., 2018
5.	Landslide Hazard Evaluation Methods – A Review.	Paper presented at the 4th Indian Landslide Congress, organized by Department of Earth Science, Indian Institute of Technology Bombay,
6.	Land use and Land cover changes & Urban sprawl changes using geospatial techniques: A case study on Shimla Tehsil.	Paper presented at the 2nd Himachal Pradesh Science Congress on 'Science & Technology for sustainable livelihood in Indian Himalayan, Shimla, 2017
7.	Landslide studies; A review	Paper presented at the 2nd Himachal Pradesh Science Congress on 'Science & Technology for sustainable livelihood in Indian Himalayan, Shimla, 2017
8.	Structural Health Monitoring of Civil Engineering Structures	National Conference on Sustainable Infrastructure Development held at NITTTR Chandigarh, 2014
9.	Health monitoring of actual RCC buildings by studying its dynamic parameters	International conference on Structural Engineering held at Malaviya National Instt. of Technology, Jaipur, 2012
10.	Artificial Neural Network Modeling of Wind Loads on tall rectangular buildings	Proc. 2nd National Conference on Wind Engineering, VREC Nagpur, 2004
11.	New Construction material	National Conference on Advances in Concrete Technology ACT 2004 Feb 26-27, 2004, Patiala
12.	Fuel Savings in Road Improvement	National Seminar on “Challenges for Road Transportation in 21 st Century Leading to Fuel Economy”, 2001
13.	Geo-environmental Consideration During the Construction of Hilly Roads	National Seminar on “Road Transportation – Issues & Strategies” 2001
14.	Properties of High Strength Concrete	National Conference on “Advances in Concrete Technology”, 2000
15.	Economics of Operating Ready Mix Plant – A Case Study	National Conference on “Advances in Concrete Technology”, 2000
16.	A Conceptual Approach Towards Tackling the Water Logging Problem of Canal Irrigation	National Seminar on Environment Hazards & Sustainable Development, 1999.
17.	Protocol for the selection of the site and	National Seminar on Environment Hazards &

technology for Municipal Sewage Treatment and Disposal	Sustainable Development, 1999.
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Conference organized and proceeding edited

	Conference Title	Date and Year
1.	International Conference on Clean Technology and Sustainable Development – 2019	19 & 20 July, 2019
2.	International Conference on Clean Technology and Sustainable Development – 2018	23 & 24 February, 2018
3.	International Conference on Sustainable Civil Engineering Practices - 2017	2 & 3 March 2017
4.	National Conference on Sustainable Civil Engineering Practices - 2016	18 & 19 March 2016
5.	National Conference on Sustainable Infrastructure Development- 2015 (NCSID-2015)	26 & 27 February, 2015
6.	National Conference on Sustainable Infrastructure Development- 2014 (NCSID-2014)	13 & 14 March, 2014
7.	National Conference on Advances in Infrastructure Development	11 & 12 October, 2012
8.	National Conference on Advances in Concrete Technology	26 & 27 February, 2004
9.	National Seminar on Challenges for Road Transportation in 21 st Century Leading to Fuel Economy (CIRT 2001)	23 & 24 February, 2001
10.	National Conference on Road Transportation – Issues & Strategies RTIS'98	23 & 24 October, 1998

Membership of Committees / Boards

- Fellow Institution of Engineers
- Senior Member IEEE
- Life member Indian Society for Technical Education
- Life Member Punjab Science Congress
- Life Member Indian Concrete Institute
- Member Board of Studies, Civil Engineering, Panjab University, Chandigarh and Punjab Technical University, Jalandhar
- Executive Member, Indian Concrete Institute, Punjab & Haryana State Centre, Chandigarh from 2015 for five years

- Peer Reviewer for Congent Engineering Journal
- Peer Reviewer for ACI Structural and Materials Journals
- Peer Reviewer for Engineering Structures Journal (Elsevier)
- Peer Reviewer for The Open Civil Engineering Journal
- Peer Reviewer for Hindawi Journal of Advances in Civil Engineering
- Editorial Board Member and Peer Reviewer for American Association for Science and Technology Journal.

International Research Tie-ups

- Participating in joint research activities carried out by Chitkara University, Glasgow Caledonian University UK and ESTP Paris, France.
- In addition, another joint venture for research with Professors from Edith Cowan University and Federal University Australia is going on.

Research Guidance

- Supervision of awarded Doctoral Thesis: 04
- Supervision of Doctoral Thesis, under progress: 08
- Supervision of awarded M.E. dissertations: 02
- Supervision of M.E. Thesis, under progress: 02

Major Research Interests

- Alternative construction material
- Sustainable Campus Infrastructure
- Use of Industrial Waste in Construction
- Zero discharge campus