PUBLICATIONS

PUBLICATIONS IN INTERNATIONAL JOURNALS

Complete Reference of Journal	Title
MOJ Civil Engineering, MedCrave	Use of Electroplating Industry Sludge as a
Publishing, Edmond, Oklahoma, United	Construction Material
States, Volume 2 Issue 1 - 2017	
Geomatics, Natural Hazards and Risk, 2014	Monitoring of RCC structures affected by
(Taylor & Francis, London, UK)	earthquakes
Electronic Journal of Geotechnical	Medium Triaxial Testing of some Rockfill
Engineering, Vol. 18 [2013], pp 923-963	Materials
Electronic Journal of Geotechnical	Prediction of Shear Strength Parameters of
Engineering, Vol. 17 [2012] pp 3221-3232	Two Rockfill Materials
International Journal of Structural Integrity,	Use of vibration measurements in health
Vol 1, No 3, 2010 pp 209-232	monitoring of reinforced concrete
	buildings
International Journal of Engineering	Health monitoring of RCC building model
Computations Emerald Group Publishing	experimentally and its analytical validation
Limited Howard House, Wagon Lane,	
Bingley, UK, Vol 25, No 7, 2008 pp 677-693	
International Journal of Damage Mechanics",	Damage detection of framed RCC
Sage Publication, USA, Volume 16, No. 4,	buildings using ANN modeling.
pp. 457-472, 2007	

NATIONAL JOURNAL

Complete Reference of Journal	Title
J. Inst. Eng. India Ser. A (Accepted for	Development of Mathematical Formula for
publication 2016).	the Calculation of Ultimate Load in Beam
	Column Joints under Opening Moment
	Using Genetic Algorithm
J. Inst. Eng. India Ser. A (February–April	Finite Element Modeling of Reinforced
2013) 94(1): 23–33 DOI 10.1007/s40030-	Concrete Corners Under Opening Bending
013-0039-6	Moment
Journal on Today's Ideas- Tomorrow's	Effect of Steel Fibers on Reinforced
Technologies, Vol. 1, No. 2, December 2013	Concrete Opening Corners
pp. 113–122	
Journal of Institution of Engineers. India, Vol	Evaluation of dynamic parameters of a
88, No 7, 2008 pp 13-17	three storey RCC building model using
	vibration techniques
RIMT Journal of Strategic management and	Disaster management – Vibration
information technology, Vol. 3 No.3. pp 43-	monitoring of RCC building mode
52, 2006	
Journal of Institution of Engineers Volume	Nondestructive evaluation of dynamic
86, pp 53-57, 2005	properties of concrete
Journal of New Building Material and	Various aspects of High Performance
Construction World, New Delhi, Vol. 6,	Concrete
Issue 6, December 2000, pp.26-37	

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

Title	Name and Place of Conference		
Estimation of Seasonal Variations in Land	International conference on Clean		
Surface Temperature Using Landsat (TIRS	Technology and Sustainable Development,		
& OLI) through Single–Window	proceedings, NITTTR, Chandigarh, p 466 -		
Algorithm Method–A Case Study.	473., 2018		
Landslide Hazard Evaluation Methods – A	Paper presented at the 4th Indian Landslide		
Review.	Congress, organized by Department of Earth		
	Science, Indian Institute of Technology		
	Bombay, 2017		
Land use and Land cover changes & Urban	Paper presented at the 2nd Himachal Pradesh		
sprawl changes using geospatial	Science Congress on 'Science & Technology		
techniques: A case study on Shimla Tehsil.	for sustainable livelihood in Indian		
	Himalayan, Shimla, 2017		
Landslide studies; A review,	Paper presented at the 2nd Himachal Pradesh		
	Science Congress on 'Science & Technology		
	for sustainable livelihood in Indian		
	Himalayan, Shimla, 2017		
Structural Health Monitoring of Civil	National Conference on Sustainable		
Engineering Structures	Infrastructure Development held at NITTTR		
	Chandigarh, 2014		
Health monitoring of actual RCC buildings	International conference on Structural		
by studying its dynamic parameters	Engineering held at Malaviya National Instt.		
	of Technology, Jaipur, 2012		
Artificial Neural Network Modeling of	Proc. 2nd National Conference on Wind		
Wind Loads on tall rectangular buildings	Engineering, VREC Nagpur, 2004		
New Construction material	National Conference on Advances in		
	Concrete Technology ACT 2004 Feb 26-27,		
	2004, TIET, Patiala		
Fuel Savings in Road Improvement	National Seminar on "Challenges for Road		
	Transportation in 21st Century Leading to		
	Fuel Economy", 2001		

Geo-environmental Consideration During	National Seminar on "Road Transportation –			
the Construction of Hilly Roads	Issues & Strategies" 2001			
Properties of High Strength Concrete	National Conference on "Advances in			
	Concrete Technology", 2000			
Economics of Operating Ready Mix Plant	National Conference on "Advances in			
– A Case Study	Concrete Technology", 2000			
A Conceptual Approach Towards Tackling	g National Seminar on Environment Hazards			
the Water Logging Problem of Canal	al & Sustainable Development, 1999.			
Irrigation				
Protocol for the selection of the site and	National Seminar on Environment Hazards			
technology for Municipal Sewage	& Sustainable Development, 1999.			
Treatment and Disposal				

AWARD/PRIZE/CERTIFICATE

- 1. Research paper entitled, "Finite Element Modeling of Reinforced Concrete Corners Under Opening Bending Moment" awarded with Best paper award by Institution of Engineers and gave E P Nicolaides Prize.
- 2. "Awarded Excellent Contribution in Education Sector" by CMAI Association of India on April 2017.

DETAIL OF PATENTS FILED

Sr. No.	Patent Title	Applicants Name	Patent No.	Agency /	Status	Patent Published
				Country		(Link of weekly IPO
						Database)
1.	Alternative Construction	Dr. Varinder S Kanwar	498/DEL/2015	India	Applied for	http://www.ipindia.gov.in/
	Material made from					writereaddata/Portal/IPOJo
	electroplating industry sludge					urnal/1_459_1/part1.pdf
	and method to prepare the					
	same					
2.	Camera accessory for	Mr. Vinay Chadha &	201611006999	India	Applied for	http://ipindia.nic.in/writer
	photography in moving vehicle	Dr. Varinder Kanwar				eaddata/Portal/IPOJournal
						/1_2569_1/Part-1.pdf
3.	Process to convert toothpaste	Dr Varinder S Kanwar	201611022362	India	Applied for	http://ipindia.nic.in/writer
	industry waste sludge into	Mr Surinder Kumar				eaddata/Portal/IPOJournal
	usable form	Bashisth				/1_2585_1/Part-1.pdf
4.	Method of converting lime	Dr Varinder S Kanwar	201711003597	India	Applied for	
	sludge of paper industry into	Mr Brij Bhusan				
	bricks	Dr Siby John				

BOOKS PUBLISHED

Name of Book	Publisher name	Year of Publication	
Health Monitoring of RCC Buildings using Vibration Measurements	Lambert Publication, Germany	2017	When and the second of the first of the second according to the second according to the second of the second according to the
Water Supply Engineering	Vikas Publication, New Delhi	2015	WATER SUPPLY ENGINEERING Subhash Verma * Varinder Kanwar * Siby John

Written Course Material for Continuing Education Programme on the following topics

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

CONFERENCE ORGANIZED AND PROCEEDING EDITED IN LAST 5 YEARS

S.No.	Conference Title	Date and Year
1.	International Conference on Clean Technology and	23 rd & 24 th February,
	Sustainable Development - 2018	2018
2.	International Conference on Sustainable Civil	2 & 3rd March, 2017
	Engineering Practices - 2017	
3.	National Conference on Sustainable Civil Engineering	18 & 19 th March, 2016
	Practices - 2016	
4.	National Conference on Sustainable Infrastructure	26 & 27 th February, 2015
	Development-2015 (NCSID-2015)	
5.	National Conference on Sustainable Infrastructure	13 & 14th March, 2014
	Development-2014 (NCSID-2014)	

DETAILS OF RESEARCH PROJECTS UNDERGOING

Sponsoring	Title of Project	Project Status	Total Cost
Organization			
SERB, Department of	Landslide prone area mapping	Ongoing	₹ 22.25 Lacs
Science and Technology,	geospatial approach: A case		
New Delhi	study of Shimla District		
HP State Council of	Alternative construction	Ongoing	₹ 6.25 Lacs
Science Technology and	material made from industry		
Environment, Shimla	sludge containing CaCo3 and		
	a method to prepare the same		
Department of	Use of Industry Sludge	Ongoing	₹ 10 Lacs
Environment Science and	containing calcium carbonate		
Technology, HP	for manufacturing hard grade		
Government Shimla	bitumen		

MEMBERSHIP OF COMMITTEES/BOARDS

- Fellow Institution of Engineers
- Life member Indian Society for Technical Education
- Life Member American Society of Civil Engineering
- Life Member Punjab Science Congress
- Life Member Indian Concrete Institute
- Member Board of Studies, Civil Engineering, Panjab University, Chandigarh
- 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: 02
- Supervision of Doctoral Thesis, under progress: 04
- Supervision of awarded M.E. dissertations: 02