

### A] Research Publications in International Journals

Sr. No.	Name of the faculty	Research Paper	Date of Publication	Name of the Journal
1	A.V. Patil & Dr A.M.Pande	Behaviour of Silico Manganese Slag Manufactured Aggregate as Material for Road and Rail Track Construction	255-260 (2011) pp 3258-3262 Online available since 2011/May/31 at www.scientific.net © (2011) Trans Tech Publications, Switzerland	International Journal of Advanced Materials Research Vols. doi:10.4028/www.scientific.net /AMR.255-260.3258 (ISSN: 1022-6680),
2	A.V. Patil & S.M.Hardwani	Study, test and designing of cold formed section as per AISI code	Vol. 1, Issue 3, 2012	International Journal of Applied Sciences and Engineering (ISSN 2277 – 9442) doi:10.6088/ija ser.002010105 3
3	A.V. Patil & S.M.Hardwani	Low cost Earthquake resistant house using Cold formed Steel (CFS) member A case study	Vol. 2, Issue 9, 2013	International Journal of Engineering Research & Technology (IJERT), ISSN 2278-0181,

### B] Research Publications in International Conferences.

Sr. No.	Title of paper	Details of seminar/conf
1	ESCAR: An Expert System for Crack Diagnosis and Repair in building	International Conference on Engineering Software, IIT Delhi 4-6 Dec. 1989, PP 01-09
2	Construction site management- A key for quality Concrete Construction	International Seminar on "Quality Management of Concrete Construction", Nagpur 12-13 September 1997. Pages 172-178
3	Experimental Investigations into steel fibre Flyash Concrete.	International Conference Innovative and smart Structure Systems for sustainable habitat (INSHAB 2008) PSG college of Tech, Coimbatore, 3-5, Jan 2008
4	Pre-Engineered Reinforcement-Studies in use of Expanded Metal Mesh as Reinforcement in RCC Slabs	3rd International Conference on Technology & Innovation for Sustainable Development (TISD2010) at Nong Khai, 3-5 March 2010, Organised by Khon Kaen University, Khonkaen, Thailand,

5	Behaviour of Masonry Mortar Impregnated with Tyre Rubber Fibres	3rd International Conference on Technology & Innovation for Sustainable Development (TISD2010) at Nong Khai, 3-5 March 2010, Organised by Khon Kaen University, Khonkaen, Thailand,
6	Ecological studies in Bandra –Worli Sea link, Mumbai	International conference on Water2011 organised by NEERI Nagpur on 19-21 January 2011
7	Behaviour of Silico Manganese Slag Manufactured Aggregate as Material for Road and Rail Track Construction	International Conference on Civil Engineering & Building Materials (2011 CEBM) organised Kunming University of Science and Technology at Kunming, P.R. China, 29-31 July, 2011
8	Experimental Investigation into Silico Manganese slag Manufactured sand as fine aggregate used in Masonery mortar	International Conference ICI –WC 2013, “Innovations in concrete for meeting Infrastructure Challenge”, Hyderabad 25-26 October 2013
9	Critical study of utilization of Silico Manganese slag - A non biodegradable waste material as coarse and fine aggregates in plain reinforced cement concrete.	International Conference on Technologies for Development organized by EPEL- UNESCO Cooperation & Development Enter, EPEL Lausanne, Switzerland 04-06 June 2014

### C] Research Publications in National Journals

<b>S N</b>	<b>Name of the faculty</b>	<b>Research Paper</b>	<b>Date of Publication</b>	<b>Name of the Journal</b>
1	A.V. Patil & M.D. Vaishya	Critical study of structural steel connection in pre-engineered buildings	Oct-Dec 2009	Indian society of structural Engineers
2	A.V. Patil & S.M.Hardwani	Use of cold formed section for Low Cost Housing with different superstructure & material options	April-June 2010	Indian society of structural Engineers
3	A.V.Patil U.P.Waghe S.P.Raut	Studies in Use of Expanded Metal Mesh (XPM) in form of Grating	Vol 11, No 2 July 2010	Journal of Institute for steel Development & Growth (ISSN 0972-7256)
4	A.V. Patil S.M. Hardwani	"Investigations into Cold Formed Section Vis-A-Vis Hot Rolled Sections for Low Cost Housing With Typified Plans"	Vol. 12, No 1, January 2011	Journal of Institute for steel Development & Growth (ISSN 0972-7256) ,
5	A.V.Patil	Performance of ground and coarse waste glass in mortar & Concrete	July, 2012	Indian Research Transaction (IRT), ISSN:2250-0804 ISBN:978-81-906457-2-0

## D] Research Publications in National Conferences, Seminars & Workshops

Sr. No.	Title of paper	Details of seminar/conf
1	Expert System Applications in Civil Engineering	State level workshop organized jointly by DTE Mumbai & DES Polytechnic, Dhamangaon, 25 February 1991
2	Performance and Behavior of Brick Bat Blocks for load bearing masonry walls	National Conference on innovative building materials and practices, Institution of Engineers(I), Delhi State Centre, New Delhi, 4-6 September 1992
3	Expert Systems in Civil Engineering – A brief review	National Conference on innovative building materials and practices, Institution of Engineers(I), Delhi State Centre, New Delhi, 4-6 September 1992
4	Performance of ferrocement plate elements with substitute materials and further application of precast ferrocement structural elements	"All India seminar on Eco- friendly building materials and construction", 24-26 September 1997 at Port Blair, Pages 99-110
5	Casting and performance of funicular ferrocement roof tiles	"All India seminar on Eco- friendly building materials and construction", 24-26 September 1997 at Port Blair, Pages 111- 116
6	Construction site management- A key for quality Concrete Construction	International Seminar on "Quality Management of Concrete Construction", Nagpur 12-13 September 1997. Pages 172-178
7	Efficient site management for achieving quality standards in building construction	National Seminar on "Advances in Construction Technology, Nagpur. 19-20 June 1998, Pages 85-90
8	Performance Analysis of Ferrocement Housing Elements	All India Seminar on " Concrete for Infrastructural Development" Roorkee. 2-4 December 1998.
9	Utilization of Fly Ash in Cement and Concrete – A Review	All India Seminar on " Cement Industries Challenges and Prospects " 26 <sup>th</sup> Feb.1999, Chandrapur
10	Performance Analysis of Ferrocement Housing Elements	One Day Workshop on Ferrocement for Housing Development" 27/02/99 Nagpur.
11	Selection of proper cement for mass concrete works	All India Seminar on Mass Concrete- MasCon 2002, Nagpur. 22-23 February 2002
12	Utilization of Silico Manganese Slag for civil engineering construction.	One day workshop on characterization and utilization of silico manganese slag organized by Rajiv Gandhi College of Engg, Chandrapur, 22 <sup>nd</sup> Oct. 2008
13	Studies in use of mild Steel Expanded Metal Mesh as Grating -A State of the Art Report	National Conference on "Recent Trends & challenges in Civil Engineering (RTCCE-09)" Organised by KITS Ramtek, 18-19 Dec. 2009
14	Parametric Study of water tanks with reference to variations in Height & Geometrical Dimension	National Conference on "Recent Trends & challenges in Civil Engineering (RTCCE-09)" Organised by KITS Ramtek, 18-19 December 2009
15	Behavior of Self Compacting Concrete (SCC) - A Critical Review	National Conference on Innovative trends for Technology Development (Technocon-2012) organized by DMIETR Wardha 06-07 January 2012

16	Utilization of Phosphogypsum - 'Non-biodegradable Industrial Waste' in mortar & concrete - A critical Review	National Conference on Innovative trends for Technology Development (Technocon-2012) organized by DMIETR Wardha 06-07 January 2012
17	Studies in utilization of ground and coarse waste glass in mortar & Concrete	Institution of Engineers, Twenty-Seventh National conventions of Environmental Engineers on Green Technology, Mangalore Local Centre, Mangalore 24-25 January 2012
18	A Critical Review of Use of Sustainable material in The form of Steel Slag as Coarse & Fine Manufactured Aggregate in Concrete	All India Seminar on Innovations in Green Building Technology organized by Institution of Engineers (India), Nagpur Local Centre, Nagpur 17-18 January 2014

### E] Technical activities organized

SR N O.	TITLE	DATE	VENUE NATIONAL/ INTNATIONAL	ORGANISED IN CAPACITY OF
1	All India Seminar on Low Cost Housing	14 November 1995	The Institution of Engineers(I), Nagpur	Organising Secretary
2	Workshop on Nondestructive Testing of Concrete	31 January 1996	The Institution of Engineers(I), Nagpur	Organising Secretary
3	Workshop on Ferrocement for Housing Development.	27 <sup>th</sup> February 1999	Deptt of Civil Engineering, YCCE, Nagpur and The Institution of Engineers(I), Nagpur	Member org. Committee as Honorary Secretary, IE(I), Nagpur
4	National Conference on Hydraulics	March 1999	Deptt of Civil Engineering, YCCE, Nagpur and The Institution of Engineers(I), Nagpur	Member org. Committee as Honorary Secretary, IE(I), Nagpur
5	Construction Machineries and Equipments for Infrastructure Development (CMEID 2007)	17 <sup>th</sup> February 2007	Deptt of Civil Engineering, YCCE, Nagpur and The Institution of Engineers(I), Nagpur	Organising Secretary
6	Workshop on GATE and Competitive Examinations in Civil Engineering	08.01.2011	Deptt of Civil Engineering, YCCE, Nagpur	Convener
7	National Conference on Challenges and Recent Advances in Environmental Management	25.03.2011	Deptt of Civil Engineering, YCCE, Nagpur and IPHE, Nagpur Centre	Convener
8	All India Workshop on Fibre Reinforced Concrete	15.02.2012	Deptt of Civil Engineering, YCCE, Nagpur and Indian Concrete Institute, Nagpur Centre	Convener

9	All India Workshop on Remote Sensing and Geographical Information System (RSGIS)	02.03.2013	Deptt of Civil Engineering, YCCE, Nagpur and The Institution of Engineers(I), Nagpur	Convener
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#### F] Training Program Attended As Below

Sr. No	ISTE / AICTE Course Title	Organised by	Period
1	Short term course on "Knowledge Based Expert Systems for Engineering Design".	Indian Institute of Technology, Madras	6 <sup>th</sup> to 10 <sup>th</sup> July 1992
2	Short term course on "Detailing of Reinforced Concrete Structures".	Indian Concrete Institute, Roorkee Local Centre, Roorkee	9 <sup>th</sup> October to 11 <sup>th</sup> October 1995
3	Short term course on "Detailing of Reinforced Concrete Structures".	Indian Concrete Institute, Roorkee Local Centre, Roorkee	12 <sup>th</sup> October to 17 <sup>th</sup> October 1995
4	Short term course on "Industry Institute Partnership".	SGSITS, Indore	29 <sup>th</sup> December 97 to 3 <sup>rd</sup> January 1998
5	AICTE short term course on "Seismic Design of RCC building"	Govt, College of Engineering Karad.	27 <sup>th</sup> June 13 <sup>th</sup> July 1998
6	Short term course on "Integrated Environmental Management : Sustainable Development".	Malviya Regional College of Engineering, Jaipur	21 <sup>st</sup> June to 3 <sup>rd</sup> July 1999
7	Short term course on "Quality Costs : Estimation & Techniques of Reduction".	RKNEC Nagpur	27 <sup>th</sup> Sept to 8 <sup>th</sup> October 1999
8	Short term course on "Environmental Impact Assessment and planning for sustainable development".	RKNEC Nagpur	7 <sup>th</sup> to 18 <sup>th</sup> February 2000.
9	Refresher course on "Civil Engineering".	Academic Staff College, Nagpur University, Nagpur	16 <sup>th</sup> October to 11 <sup>th</sup> November 2000
10	Short term course on "Seismic Design of Reinforced Concrete".	Indian Institute of Technology, Kanpur	28 <sup>th</sup> May to 1 <sup>st</sup> June 2001
11	Short term course on "Computer Application in Civil Engineering".	S. J. College of Engg, Mysore	8 <sup>th</sup> Nov. to 19 <sup>th</sup> October 2001
12	Workshop on "NDE of Concrete Structures".	Indian Society for Nondestructive Testing, Chennai	2-4 Dec. 2002
13	Short term course on "Earthquake Resistant Design of Reinforced Concrete Building".	Indian Institute of Technology, Mumbai	7 <sup>th</sup> May to 11 <sup>th</sup> July 2003
14	Workshop on "Research Methodology in Engineering and Technology".	Yeshwantrao Chavan College of Engineering, Nagpur	29-30 Jan2008
15	Workshop on "IS 800-2007 Indian Standard General Construction in Steel – Code of Practice".	Bureau of Indian Standard and INSDAG, Mumbai	17-18 November 2008
16	Workshop on "Effective Research Methodology"	SGGSIET, Nanded	23 <sup>rd</sup> January 2010

**G] Seminars, conferences, workshops attended.**

<b>S N</b>	<b>TITLE</b>	<b>DATE</b>	<b>VENUE NATIONAL/ INTNATIONAL</b>
1	All India Seminar on Low Cost Housing	Nov 1995	The Institution of Engineers(I), Nagpur
1-a	Workshop on Nondestructive Testing of Concrete	Jan 1996	The Institution of Engineers(I), Nagpur
2	All India Seminar on "Concrete for Infrastructural Developments" ROORKEE	3-5 Dec.1998,	The Institution of Engineers (I) Roorkee (U.P.)
3	All India Seminar on "Cracks in Concrete" CONCRACK-99, Nagpur	15-16 Jan.1999	Indian Concrete Institute and I.E.(I), Nagpur Centres.
4	All India Seminar on "Cement Industries Challenges and Prospects" Chandrapur	26.2.1999	Deptt. of Civil Engineering, Chandrapur College of Engg
5	All India Seminar on Sustainable Development	I.E.(I),Nagpur	Oct.-1999
6	All India seminar on Mini and micro Hydel Power Development	I.E.(I),Nagpur	15 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 1999
7	All India seminar on solid waste management.	I.E.(I),Nagpur	6 <sup>TH</sup> March 2000
8	All India Conference on "Quality and Reliable Power supply to Industries and major cities in Developing countries"	I.E.(I),Nagpur	13-15 Oct. 2000
9	All India Seminar on "Disinfection of Rural and Urban Water Supplies"	I.E.(I),Nagpur	22nd Oct. 2000
10	Workshop on "Earthquake Hazards and Remedies."	I.E.(I),& I.C.I. Nagpur	24th Feb. 2001
11	All India Seminar on Building Services	I.E.(I),Nagpur	25th & 26th Nov. 2000
12	Workshop on IS 456	I.E.(I),Nagpur	Aug. 2000
13	Workshop on "High Performance Fibre Reinforce Concrete"	I.E.(I),Nagpur	25th Dec. 2000
14	All India Seminar on "Concrete Reinforcement Detailing for High Performance"	I.C.I., Nagpur Centre	12-13 Jan. 2001
15	International Conference on Civil Engineering and building Materials, CEBM 2011	Kunming University of Science & Techn., Kunming, China	29-31 July 2011
16	One Day Workshop on "Intellectual Property Rights"	R & D Cell, YCCE,	06, January 2012