

Name: Dr. Sanjay Shrinivasrao Jamkar

Designation: Professor of Applied Mechanics

Date of Birth: 31-05-1962

Email: ssjamkar@yahoo.com

Qualification:



Degree	Institute	University	Year of Passing	Class
B.E. (Civil)	Govt. College of Engineering, Aurangabad	Dr. BAMU, Aurangabad	1984	First Division
M.E. (Civil Structures)	Govt. College of Engineering, Aurangabad	Dr. BAMU, Aurangabad	1993	First Class with Distinction
Ph.D. in Civil Engineering	National Institute of Technology, Warangal		May-2006	

Teaching and Industrial Experience:

Post Held	Organisation	Period
Assistant Engineer Gr.-II	Command Area Development Authority, Irrigation Department, Govt. of Maharashtra.	28-03-1985 to 14-03-1996 (11 Years)
Lecturer in Applied Mechanics	Govt. College of Engineering, Aurangabad	15-03-1996 to 29/05/2006 15-06-2007 (11 years)
Assistant Professor in Applied Mechanics	Govt. College of Engineering, Aurangabad	30/05/2006 to 15/06/2007 and 9-7-2008 to 14/03/2009
Assistant Professor in Applied Mechanics	Govt. College of Engineering, Karad	16-06-2007 to 8-7-2008
Associate Professor in Applied Mechanics	Govt. College of Engineering, Aurangabad	Since 15-03-2009
Professor in Applied Mechanics	Govt. College of Engineering, Aurangabad	Since 30-05-2014

Research Experience:

1. Deputed for PhD in Civil Engineering at National Institute of Technology, Warangal under Quality Improvement Programme of AICTE during 03-07-2001 to 02-07-2004. Submitted the thesis titled ,”A study on shape and texture of coarse aggregate as a parameter for concrete mix proportioning” and the degree is awarded in May’2006.
2. Co- Principal Investigator for the project, two years duration, titled, “ Mix Proportioning of High Strength Concrete with Crushed Sand as Fine Aggregate”,

- sanctioned for Rs. 5.40 Lakhs under RPS scheme of AICTE during the financial year 2007-08
3. Research guide in the subject of Civil engineering under the faculty of Engineering and Technology, Swami Ramanand Teerth, Marathwada University, Nanded. Guided ONE Research Scholar.
 4. Research guide in the Applied Mechanics Department, Govt. College of Engineering, Aurangabad. Guided One and Guiding One Research Scholar.
 5. Co Research guide in the Applied Mechanics Department, Govt. College of Engineering, Aurangabad. Guided ONE Research Scholar.
 6. Principal Investigator of Research Project, Evaluation of Shape Characteristics of Coarse Aggregates using Digital Image Processing, (TEQIP/R &D/Seed Money/Applied Mechanics/2014(02)) under Seed Money Grant of TEQIP-II vide GECA/ESTT/Dean (R&D)/2014/1189 Dt. 11.4.2014
 7. Technical Advisor, for a Project on Innovative Technologies for Utilising Recycled Waste in Precast Concrete Applications by Econirmitee Infrastructure and Services Private Limited, Aurangabad
 8. Guide of P.G. student, Mr. Chandrashekhkar D. Wagh for dissertation (Influence of type of coarse aggregate on Rheological properties of High Strength SCC) carried out at IIT, Bhubaneshwar (7/6/2016 to 18/8/2016)

Patents Registered/Awarded:

1. Apparatus for Determining Dimensions of Aggregate Particles used in Concrete, **Registered as Design** with following details,
Design No. 265756, Dated 18/09/2014
In the name of Govt. College of Engineering, Aurangabad, Dr. S.S. Jamkar, Ms.M.N. Mangulkar and Md. Vazeeruddin, Aurangabad
2. Patent application No. 1454/MUM/2014, Titled “Method and Apparatus for Measuring Characteristics of Aggregates of Concrete Mass by Using Digital Image Processing” is filed and it is under review.

Research Papers Reviewed:

Sr. No.	Name of the Journal	Title of the Paper	Paper ID	Date of Submission of Review
1	Techno-Press, Korea	A new packing density model of concrete aggregate combination based on an artificial neural network	CAC11358C	22/6/2012
2	ACI Structural and Materials Journal, USA	New mixture proportioning method for flowing concrete mixtures	M-2015-145.R1	17/6/2015
3	Indian Concrete Journal, India	Properties of ground granulated blast furnace slag based geopolymer concrete	1401	03/6/2015
4	Indian Concrete Journal, India	Mechanical properties of fly ash based geopolymer concrete with addition of GGBS	1404	03/6/2015
5	ACI Structural and	Assessment of Packing Density	M-2015-	23/3/2016

	Materials Journal, USA	Models and Optimising Concrete Mixtures	461.R1	
6	Indian Concrete Journal, India	Development of self compacting mortar mixes using agro based waste as a partial replacement to cement	1551	23/05/2016
7	Techno-Press, Korea Advances in Concrete Construction, An International Journal	Effect of Fly Ash and GGBS Combination on Mechanical and Durability properties of GPC	ACC73012C	26/05/2017

Expert Lectures Delivered:

Sr. No.	Subject	Organising Institute	Date
1	Some aspects in Concrete Mix Design	The Institution of Engineers (I), Aurangabad Local centre and Jawaharlal Nehru Engineering College, Aurangabad	14.10.2005
2	Manual of Procedures in Laboratory Testing, A training Programme for Zilla Parishad Engineers (Pradhan Mantri Gram Sadak Yojna)	Department of Civil Engineering, GCE, Aurangabad Sponsored by NRRDA, Ministry of Rural Development, GOI, New Delhi.	7 th to 12 th May, 2007
3	Tests and properties of constituents of Concrete, Concrete Mix design as per IS 10262, IRC 44	Regional Training Centre, Water Resources Division, Irrigation Department, Aurangabad	07-09-2010
4	Induction training course for newly recruited A.E.-II (Civil), Quality Assurance regarding concrete works, Concrete Mix Design, IS 456-2000	Regional Training Centre, Water Resources Division, Irrigation Department, Aurangabad	06-12-2010
5	Expert lecture on Mix Design of Concrete as Resource person in AICTE Sponsored SDP on Advanced Developments in Concrete (11-24, July 2011)	SRIT, Coimbatore (TN)	20-07-2011
6	Expert lecture on Concrete Technology and Mix Design for Junior Engineers, Civil Engineering Assistants	Maharashtra Rural Roads Development Association, Office of the S.E.(PMGSY), Aurangabad	17-08-2011
7	Special lectures on Applied Mechanics	SGGSJET, Nanded	3 rd to 6 th January, 2013
8	Key note speaker, One day Workshop on Concrete Mix Design on 22/3/13 Topic: Various Aspects of Concrete Mix Design	MIT, Aurangabad	22-03-2013
9	One day Workshop on Testing of Ingredients of Concrete for	MIT, Aurangabad	10/10/2013

	Concrete Mix Design and Mix Design as per IS 10262-2009 on 10/10/13		
10	Speaker, Technical event on Use of Artificial Sand in Construction Industry on 4/12/13 Venue: Hotel Ajanta Ambassador	Indian Society of Structural Engineers, Aurangabad Local Center & A.B. Lodha (Manufacturers of Artificial Sand, Rasulpura, Jatwada Road, Tq. Khultabad, Aurangabad)	4/12/2013
11	Key Note Speaker in Structural Engineering Convention (SEC 2014), Dept. of Civil Engineering, IIT Delhi during 22-24, December, 2014	Structural Engineering Convention (SEC 2014), Dept. of Civil Engineering, IIT Delhi	22-24, December, 2014
12	Expert lecture for newly recruited Assistant Engineer Gr.II, Water Resources Department, Govt. of Maharashtra	Regional Training Centre (Water Resources), WALMI, Aurangabad	5-11-2015 10:00 to 13:15 Hrs
13	Expert Lecture Delivered in the Workshop on Intellectual Property Rights and Innovation in Engineering	JNEC, Aurangabad	September 11-12, 2015
14	Expert Lecture Delivered in Two Days National Workshop on Innovations, Inventions and Patents IAP-2016	Govt. College of Engineering, Aurangabad (Under T.E.Q.I.P.-II)	1-2 February, 2016
15	Speaker, A National Level Seminar on Advances in Civil Engineering “Concrete Mix Proportioning and Innovations”	Dr.D.Y. Patil School of Engineering and Technology, Charholi, Lohgaon, Pune	11-12 February, 2016
16	Resource person, One Day Workshop on Concrete Mix Design and Durability Aspects	Sanjivani Rural Education Society’s College of Engineering, Kopargaon, Dist. Ahmednagar	14 th March, 2016
17	Speaker, One day workshop on “Advances in Concrete Technology” and conducted 1.5 hr. session on “Concrete Mix Design and Introduction to Particle Packing Theories”	MGM’s, Jawaharlal Nehru Engineering College, Aurangabad	21 st October, 2016 3.15 pm to 4.45 pm
18	Keynote lecture on High Performance Concrete for Engineers, Architects and Contractors	UltraTech Technical Meet 2016, Hotel Saffron, Jalna	12 th December 2016 at 6.30 pm

Jury Member for Competitions:

Sr. No.	Details of Activity	Organising Committee
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1	Outstanding Concrete Structure Awards-2014 for Marathwada Region.	Association of Civil Engineers (Practicing), Aurangabad and UltraTech Cement
2	Outstanding Concrete Structure Award-2015 for Marathwada Region.	Association of Civil Engineers (Practicing), Aurangabad and UltraTech Cement
3	Outstanding Concrete Structure Award-2016 for Marathwada Region.	Association of Civil Engineers (Practicing), Aurangabad and UltraTech Cement

Membership of Professional Bodies: (LM – Life Member)

Sr.No.	Professional Organisation	Membership Number	Category
1	American Concrete Institute, India Chapter	99-077	LM
2	Indian Concrete Institute	5752	LM
3	Indian Society of Technical Education	45424	LM
4	Indian Water works Association	004969	LM
5	The Institution of Engineers (India), Kolkata	131990/0	MIE
6	Indian Society of Structural Engineering	M-1214	Member
7	Alumni Association of Govt. College of Engineering, Aurangabad	CE 01198407	LM

Extra Curricular Activities

- 1) Member of Senate, GCE, Aurangabad
- 2) Magazine Secretary for Tantrasangam-2008 at GEC, Karad
- 3) Testing and Consultancy projects undertaken by the department
- 4) Joint Controller of Examinations
- 5) Organising Committee member, International Conference on Innovative World of Structural Engineering (25th to 27th Dec, 2010)
- 6) Associate Dean Academics, GCE, Aurangabad
- 7) Controller of Examinations (Vide order No. GECA/EST-1/2013/4094, Dt. 26/11/13) 30-11-13 pm to 4/10/2016 pm
- 8) Dean PG vide Office Order No. GECA/Est-1/2017/248, Dt.20/01/2017
- 9) Member BOS (BE/BTech Civil Engineering) vide Marathi Letter No. BOS./Engineering and Tech./Appointment/6787-97 Dt. 20/1/2017

Major Consultancy Works:

Sr. No.	Title of Consultancy Work	Organisation	Amount	Receipt with Date	Consultants
1	Non Destructive Test of Pier No. C 05 and C 06 of Bridge at Kranti chowk, Aurangabad	Mr. J.P. Bhandari, Consulting Civil Engineer, Aurangabad	Rs. 20074/-	R.No. 5072675 Dt. 26/12/2011 and 5072708 Dt. 29/12/2011	Dr. S.S. Jamkar and Dr. P.B. Murnal
2	Non Destructive Testing of Existing RCC Columns at NRB, MIDC, Waluj,	Shri. Prashant Gadgil, Senior	Rs. 44120/-	HDFC Bank cheque No. 541339 Dt.	Dr. S.S. Jamkar and Dr. P.B. Murnal

	Aurangabad	Engineer, Design Group, Aurangabad		12/11/2011 subject to realisation.	
3	Non Destructive Test of Slabs of Row Houses of Amrut Developers, Paithan Road, Aurangabad	M/S Tulsi Buildcon, MIDC, Chikalthana, Aurangabad	Rs. 11030/-	R.No. 4632132 dated 25/07/2011 and 4631102 dated 05/08/2011	Dr. S.S. Jamkar and Dr. P.B. Murnal
4	Non Destructive Test of Columns, Residential complex at Chikhalthana, Aurangabad	Mr. R.C. Sharma, Project Manager, Trident Infra Build LLP, Aurangabad	Rs. 8824/- Rs. 4412/- Rs. 4964/-	R.No. 5072954 Dt. 10/10/2011 R.No. 4231184 Dt. 25/8/2011 R.No. 4627372 Dt. 1/7/2011	Dr. S.S. Jamkar and Dr. P.B. Murnal
5	Scrutiny of RCC design of structures at Paithan 1. Toilet block at Paithan, 2. Rakshakund, Retaining walls (5 No.) and view point with retaining wall 3. Waiting and Dashkriya Hall at Paithan	The Executive Engineer, Maharashtra Jeevan Pradhikaran, Urban and Rural Division, Aurangabad	Rs. 56180/-	SBI Cheque No. 777573	Dr. S.S. Jamkar and Dr. P.B. Murnal
6	Structural Audit of Showroom for Mahindra and Mahindra, Chikhalthana, MIDC, Aurangabad	Mr. Rajendra Shukla, Group General Manager, Ratnaprabha Motors, MIDC, Chikhalthana, Aurangabad	Rs. 1,12,360/-	Saraswat Bank cheque no. 039397 dated 4/7/2012	Dr. S.S. Jamkar and Dr. P.B. Murnal
7	Testing of existing building to ascertain soundness of concrete and reinforcement section of Main plant at IPCA Unit 2 at Waluj, MIDC, Aurangabad	Landmark Consultants, 8-2, Ekata Society, Himayat Nagar, Aurangabad	Rs. 77916/-	Receipt Dated 17/02/2014	Dr. S.S. Jamkar and Dr. P.B. Murnal
8	Structural Audit of Hutatma Jagannath Vegetable Market, Vaijapur, Dist. Aurangabad	The Chief Officer, Municipal Council, Vaijapur, Dist. Aurangabad	Rs. 27,025/-	Receipt number 7665820 dated 21/06/2017	Dr. S.S. Jamkar , Dr. M.G. Shaikh and Dr. P.B. Murnal
9	Structural Audit of Elevated Water Tank of 9.0 Lakh Litre Capacity at Mondha Market,	The Chief Officer, Municipal Council,	Rs. 28,750/-	Receipt number 7665819 dated 21/06/2017	Dr. S.S. Jamkar , Dr. M.G. Shaikh and Dr. P.B. Murnal

	Vaijapur Dist. Aurangabad	Vaijapur, Dist. Aurangabad			
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List of ME (Structural Engineering) Dissertations

Sr. No.	Title of Dissertation	Name of the Student	Year of Submission
1	Interaction diagram for hexagonal and octagonal shaped column	Mrs. R.A Sarda	1999-00
2	Retempering of fly ash concrete using superplasticiser	Mr. S.T. Bidgar	1999-00
3	Optimal Design of intz water tank	Mr. C.V. Nandanwar	1999-00
4	Experimental study of concrete using foundry slag as coarse aggregate	Mr. S.R. Patil	2000-01
5	Analysis of plane frame with shear wall for seismic forces	Mr. S.R. Puri	2000-01
6	Behavior of ferrocement in uniaxial compression, tension and beding	Mrs. S.R. Masalge	2000-01
7	Application of artificial neural network in concrete mix proportioning	Mrs. M. N. Mangulkar	2005-06
8	Analysis and design of cold formed and hot rolled steel roof trusses	Mr. S.A. Kulkarni	2005-06
9	Flow and strength characteristics of fly ash based geopolymer mortar	Mr. S.V. Patankar	2005-06
10	Proportioning of flyash based concrete considering workability and strength	Mr. A.K. Mallya	2005-06
11	Mix design of concrete based on Andreasen model of particle packing	Mr. Pande Shantanu	2006-07
12	Modeling initial design process of two span continuous beam using Artificial Neural Network	Mrs. Deshingkar N.G.	2006-07
13	Study on influence of rice husk ash on strength and workability of concrete	Mr. Ghumare S. M.	2006-07
16	Dynamic analysis of composite structures	Mr. Chisti Iliyas	2006-07
14	A study on effect of quality of water on properties of concrete	Mr. G.K. Patil	2006-07
15	Mix proportioning of concrete with crushed sand and fly ash	Mr. Karanjikar S.L.	2006-07
16	Modeling Initial Design Process of Columns using Artificial Neural network	Miss. Whatte Archana G.	2007-08
17	A Study of Seismic Evaluation and Retrofitting of Existing RC Building	Mr. Tikle S.V.	2008-09
18	Seismic Behaviour of Masonry Infilled Reinforced Concrete Frame	Mr. Ghadge P. P.	2008-09
19	Prevention of Progressive Collapse of RC Frame Subjected to Earthquake Loading	Mr. Kadam Rahul A.	2009-10
20	Shear Strength of Self Compacting Concrete with Crushed Sand and Fly Ash	Mr. Shinde Bhushan H.	2009-10
21	Prediction of Compressive Strength of Concrete using Combination of Non Destructive Tests	Mr. Milind Patil	2011-12
22	Comparative Study of Seismic Analysis of Ground Supported Rectangular tank	Mrs. Aditi Kulkarni	2011-12
23	Fly Ash and Silica Fume based Concrete Mix Proportioning as per IS: 10262-2009	Mr. Izhar Ahmed	2011-12
24	Study of Shrinkage Characteristics of Fly	Mr. Shinde Sudhir D.	2012-13

	Ash Concrete		
25	Properties of Fly Ash Concrete Modified with Ultra Fine Slag and Lime	Mr. Solanke Rahul D.	2012-13
26	Critical Appraisal of IS 456-2000 and ACI 318-08 in view of flexural Shear	Miss. Neha Anil Choudhari	2012-13
27	Mechanical Behaviour of High Strength Concrete by using Different Types of Fibres	Mr. Rahul Pandit	2013-14
28	Mix Proportioning of Standard and High Strength Concrete with Crushed Sand as Fine Aggregate	Mr. Mahadik Devendra Ravindra	2013-14
29	Comparative Study of Analysis of Buildings of Various Sizes Under Wind Load as per IS 875 (Part 3) and ASCE 7-02	Mr. Lodhi Saad Ahmed Khan	2014-15
30	Impact Resistance of High Strength Steel Fiber Reinforced Concrete (HSFRC)	Mr. Kushal R. Jaiswal	2014-15
31	Mechanical Properties of High Strength Geopolymer Concrete	Mr. Naveed Akhtar Javeed hasan	2015-16
32	Comparative Study of Mix Proportioning of High Strength Concrete using, ACI, DOE and Particle Packing Theory	Mr. Anand B. Zanwar	2015-16
33	Comparison of Performance of Steel-Concrete Composite and RCC Building Using Pushover Analysis	Mr. Nileshkumar V. Ganwani	2015-16
34	Study of Bond Strength of High Strength Concrete	Mr. Shaikh Zubair	2015-16
35	Influence of Coarse Aggregate Types and Cementitious Materials on Rheological and Mechanical Properties of High Strength SCC	Mr. Wagh Chandrashekhar D.	2016-17

Research Paper Publications:

International Journal:

- 1) S.S. Jamkar and C.B.K.Rao, Index of Aggregate Particle Shape and Texture of Coarse Aggregate as a Parameter for Concrete Mix Proportioning, Cement and Concrete Research, Elsevier Ltd., 34(11) (2004), pp. 2021 – 2027.
- 2) Patil G.K., Jamkar S.S. and Sadgir P.A., Effects of Chemicals as Impurities in Mixing Water on Properties of Concrete, International Journal of Research in Chemistry and Environment, 1(1), July 2011, pp. 35-41. ISSN 2248-9649 (Online)
- 3) Shinde B.H. and Jamkar S.S. (2011), “Shear strength of self compacting concrete with river and crushed sand”, International Journal of Research in Engineering Science & Technology (INJOREST), Vol.-SP-1(Civil Engg), Issue-1, Jan-Jun 2011, pp : 01-06.
- 4) Izhar Ahmed and S.S. Jamkar, Effects of Fly Ash on Properties of Concrete as per IS 10262-1982, IOSR Journal of Mechanical and Civil Engineering, 4(2), Nov-Dec-2012, pp 1-5
- 5) A.S. Kasnale and S.S. Jamkar, Analysis of Lateral Stiffness for Infilled Frame with Opening, Int. Journal of Advanced Technology in Civil Engineering, ISSN 2231-5721, 1(3), 2012, pp 23-26
- 6) Patankar S.V. Jamkar S.S. and Yuvraj M. Ghugal, Effect of water to geopolymer binder ratio on the production of fly ash based geopolymer concrete, International

- Journal of Advanced Technology in Civil Engineering, ISSN 2231-5721, 2(1), 2013, pp. 79-83
- 7) M N Mangulkar and SS Jamkar, Review of Particle Packing Theories Used For Concrete Mix Proportioning , International Journal of Scientific and Engineering Research, 4(5), 2013, pp 143-148
 - 8) A.S. Kasnale, Dr. S.S. Jamkar, Study of Seismic Performance for Soft Basement of RC Framed Buildings, IOSR Journal of mechanical and Civil, ISSN 2278-1684, Vol. 5, 2013, pp 47-51
 - 9) Amruta G. Whatte and S.S. Jamkar, Comparative Study of Design of Steel Structural Elements by Using IS 800-2007, AISC 13th Edition and BS: 5950, 1: 2000, Int Journal of Science and Modern Engineering, ISSN 2319-6386, 1(9), August 2013, pp 8-12
 - 10) Rahul D. Pandit and S.S. Jamkar, Mechanical Behaviour of high Strength Fibre Reinforced Concrete, Int. Journal of Engineering Research and Applications, ISSN 2248-9622, 3(6) Nov-Dec-2013, pp 1-5
 - 11) Rajesh T. Peche, Dr. Sanjay S. Jamkar, Dr. Parag A. Sadgir, “ Influence of Grey Water as Mixing Water on Properties and Strength of Cement”, International Journal of Technology Enhancements and Emerging Engineering Research, Vol 3, Issue 05, ISSN 2347-4289, 56-61
 - 12) Rajesh T. Peche, Dr. Sanjay S. Jamkar, Dr. Parag A. Sadgir, “Feasibility Study of Grey Water for Mixing Cement and Mortar”, International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD) ISSN(P): 2249-6866; ISSN(E): 2249-7978 Vol. 5, Issue 5, Oct 2015, 89-98
 - 13) K. J. Kucche, Dr. S.S. Jamkar, Dr. P. A. Sadgir, Quality of Water for Making Concrete: A Review of Literature, International Journal of Scientific and Research Publications, Volume 5, Issue 1, January 2015
 - 14) Lodhi Saad Ahmed Khan and S.S. Jamkar, Comparative Study of Analysis of Buildings of Various Sizes under Wind Load as per IS 875 (Part 3) and ASCE 7-02, Int. Journal of Emerging Technology and Advanced Engineering, 5(5), May 2015, pp 465-470
 - 15) Naveed Akhtar, S.S. Jamkar, Effect of Fly Ash Content on Properties of Geopolymer Concrete (GPC), International Journal Of Engineering, Education And Technology (ARDIJEET), ISSN 2320-883X, Volume 3, Issue 2, 01/04/2015 pp 1-10
 - 16) Kushal R. Jaiswal and Sanjay S. Jamkar, A Study on Effect of Steel Fibers on Impact Resistance of High Strength Steel Fiber Reinforced Concrete (HSFRC) Subjected to Drop Weight Test, Int. Journal for Scientific Research and Development, 2015, 3(9), pp 839-842
 - 17) Shaikh Mohd. Zubair and S.S. Jamkar, Experimental Investigation on Effect of Mineral Admixtures on High Performance Concrete with Various W/B Ratios, IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 04 Issue: 08, August-2015, pp 169-177
 - 18) Mangulkar M.N. and Jamkar S.S., Digital Image Processing Based System for the Characterisation of Coarse Aggregate, Jordan Journal of Civil Engineering, Volume 10(1), 2016 pp 29-39.

- 19) Anand B. Zanwar and S.S. Jamkar, Study of ACI and DOE Mix Design Methods for High Strength Concrete using Crushed and Uncrushed Aggregate IJSRD - International Journal for Scientific Research & Development Vol. 4, Issue 04, 2016 ISSN (online): 2321-0613, pp 1523-26
- 20) Nileshkumar. V. Ganwani S .S. Jamkar, Comparative Study on RCC and Steel-Concrete Composite Building using Linear Static Analysis, IJSRD - International Journal for Scientific Research & Development, Vol. 4, Issue 02, 2016 , ISSN (online): 2321-0613, pp 213-216
- 21) C.D. Wagh, S.S. Jamkar, Effect of Silica Fume on Mechanical and Fresh properties of High Strength Self Compacting Concrete, IJSRD - International Journal for Scientific Research & Development| Vol. 4, Issue 10, 2016 | ISSN (online): 2321-0613, pp 738-42
- 22) S. V. Patankar, S. S. Jamkar and D.D. More, Effect of Concentration of Alkaline Solutions on the Development of Geopolymer Mortar, IJETMAS, January 2017, Volume 5, Issue 1, ISSN 2349-4476, pp 114-122

National Journal:

- 23) K.A.Patil, P.M. Nikam and S.S. Jamkar, Role of Different Authorities in Infrastructure Development, Journal of Indian Building Congress, Vol.5, No.1, 1998, pp. 196-198.
- 24) Patankar S.V. Jamkar S.S. and Yuvraj M. Ghugal, Effect of sodium hydroxide on flow and strength of fly ash based geopolymer mortar, Journal of Structural Engineering, 39(1) April-May 2012, pp. 43-47
- 25) Jamkar S.S., Ghugal Y.M. and Patankar S.V., Effect of fly ash fineness on workability and compressive strength of geopolymer concrete, Indian Concrete Journal, 87(4) April 2013, pp. 57-62
- 26) SV Patankar, YM Ghugal, SS Jamkar ,Effect of Concentration of Sodium Hydroxide and Degree of Heat Curing on Fly Ash-Based Geopolymer Mortar, Indian Journal of Materials Science, Hindawi Publishing Corporation, Volume 2014, pp 1-6
- 27) Shaikh M. Zubair and S.S. Jamkar, Study of bond strength of high strength concrete, Indian Concrete Journal, Vol. 90, No.12, December 2016, pp 33-37

International Conference:

- 28) S.T. Bidgar and S.S. Jamkar, Retempering of Fly Ash Concrete using Superplasticisers, Proceedings of the Second International Conference on Fly Ash Disposal and Utilisation, Feb 2-4, 2000, CBIP, New Delhi.
- 29) P.R. Kumar, S. Srinivasan, N.E.D. Murthy and S.S. Jamkar, Superplasticisers in High Strength Mortars for Use in Ferrocement Works, 26th International Conference on Our World in Concrete and Structures, August 27-28, 2001, Singapore
- 30) S.S. Jamkar and C.B.K. Rao, Morphology of Aggregates for Concrete- A State of the Art Review of Methods of Evaluation, Proceedings of International Conference on Construction Management and Materials (CONMAT-2003), January 9-11, 2003, IIT, Kharagpur, pp.583-594.
- 31) G.K. Patil, S.S. Jamkar and P.A. Sadgir, Effect of Concentration of CaSO₄ in Mixing Water on Properties of Concrete, 3rd Conference for the International Congress of Chemistry and Environment, November 18-20, 2007, Kuwait
- 32) Patankar S.V. and Jamkar S.S., Effect of Various Parameters in Activation of Fly Ash Based Geopolymer Mortar, Proceedings of International Conference ICACC-2008, February 7-9, 2008, Vasavi College of Engineering, Hyderabad, pp 270-279.
- 33) G.K. Patil, S.S. Jamkar and P.A. Sadgir, Effect of Concentration of NaOH in Mixing Water on Properties of Concrete, Proceedings of Indo-Italian Conference, ETWMT-

- 09, December 3-4, 2009, MAEER's MIT College of Engineering, Pune and Maharashtra Institute of Technology, Pune, pp 495-499.
- 34) Patankar S.V. and Jamkar S.S, Effect of Temperature Curing on Flow and Strength of Fly Ash Based Geopolymer Mortar, Proceedings of International Conference on Innovative World of Structural Engineering, (ICIWSE-2010 Decemeber 25-27, 2010), Govt. College of Engineering, Aurangabad, pp 490-495.
- 35) G.K. Patil, S.S. Jamkar and P.A. Sadgir, Assessment of Effect of Ferrous Sulphate as Impurity in Mixing Water on Properties of Concrete, Proceedings of International Conference on Innovative World of Structural Engineering, (ICIWSE-2010 Decemeber 25-27, 2010), Govt. College of Engineering, Aurangabad, pp 528-532.
- 36) Gahdge P.P. and Jamkar S.S., Seismic Behaviour of Masonry Infilled Reinforced Concrete Frame, Proceedings of International Conference on Sunrise Technologies (iCost-2011) January 13-15, 2011, SSVPSBSD College of Engineering, Dhule (MS), India, pp CE-4.10.1-6
- 37) Patankar S.V., Jamkar S.S. and Ghugal Y.M., Effect of Highly Alkaline Solution on Flow and Strength of Fly Ash Based Geopolymer Mortar, Proceedings of International Conference on Sunrise Technologies (iCost-2011) January 13-15, 2011, SSVPSBSD College of Engineering, Dhule (MS), India, pp CE-1.18.1-5
- 38) SV Patankar, YM Ghugal and SS Jamkar, Mix Design of Fly Ash Based Geopolymer Concrete, Presented in Structural Engineering Convention 2014, IIT Delhi and Published in the proceedings, Advances in Structural Engineering, pp 1619-1634
- 39) R.T. Peche, Dr. S.S. Jamkar, Dr.P.S.Sadgir "Grey Water- A Potential Source of Water for Construction", International Conference on Advances in Engineering & Technology – 2014, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X PP 12-17
- 40) Rajesh T. Peche, Dr. Sanjay S. Jamkar, Dr. ParagA.Sadgir, "Grey Water- A Prospective Alternative to Water for Construction", Proceedings of 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET'2014), ISBN No.: 978-93-5107-222-5, Date :28-30 March, 2014, Elsevier Publication, 2014.

National Conference/ Seminar/ Workshop:

- 41) P.M. Nikam, S.S.Jamkar, K.A. Patil and P.A. Jaiswal, Behavior of Concrete Hollow Block Masonry in Compression, Proceedings of the Workshop on Recent Advances in Masonry Construction, September 18-19, 1998 organised by the Institution of Engineers (India), Roorkee Local Center, pp. 275-279.
- 42) P.M.Nikam, P.A. Jaiswal, S.S. Jamkar and K.A. Patil, Retempering of Concrete with Superplasticisers for Achieving Higher Strength and Workability, Proceedings of the National Seminar on Cement Content and Parameters for Durability of Concrete organised by Maharashtra India Chapter of ACI, Mumbai, September 25-26, 1998, pp. 110-112.
- 43) S.S. Jamkar and C.B.K.Rao, IS: 10262, Recommended Guidelines for Concrete Mix Design- A Critical Review, Proceedings of National Conference on Advances in Construction Materials (AICM-2002), April 8-9, 2002 at REC, Hamirpur, pp. 244-249.
- 44) P.Rathish Kumar, N.R. Dakshina Murthy and S.S. Jamkar, Non Destructive Techniques for Quality Control and Assurance, Proceedings of National Conference on Advances in Construction Materials (AICM-2002), April 8-9, 2002 at REC, Hamirpur, pp. 257-263.

- 45) S.S. Jamkar and C.B.K. Rao, Effect of Shape and Texture of Coarse Aggregate on Compressive Strength of Concrete, Proceedings of the National Conference on Materials and Structures (MAST), January 23-24, 2004 at NIT, Warangal, pp.193-196.
- 46) S.S. Jamkar and C.B.K. Rao, Characterisation of aggregates for concrete – indirect methods of evaluation, Proceedings of National conference on Recent Advances in Structural Engineering (RASE), September 9, 2004, JNTU College of Engineering, Anantpur (AP), pp. 280-290.
- 47) Patankar S.V. and Jamkar S.S., Fly ash concrete activated by alkaline activators, Proceedings of the second National Conference on Advances in materials and mechanics of concrete structures (NCAMMCS), August 12-13, 2005, Indian Institute of Technology, Madras, Chennai, pp. 64-70.
- 48) Shinde S.B., Jamkar S.S., Behavior of Ferrocement in Direct Compression and bending, Proceedings of the National Conference on Recent Advances in Structural Engineering (NCRASE), February 11-12, 2006, JNTU, College of Engineering, Kakinada (AP)
- 49) Patankar S.V. and Jamkar S.S., Effects of Concentrations of Alkaline Elements on Activation of Fly Ash, Proceedings of the second National Conference on Materials and Structures (MAST) December 14-15, 2007, NIT, Warangal (AP)
- 50) Sanjay S. Jamkar and Milind A. Patil, Prediction of compressive strength using combination of NDT methods, Prestige GyanSandhan 2012, National conference on Recent Trends in Engineering and Science at, Prestige Institute of Engineering and Science, Indore (MP), 20-21 April, 2012.
- 51) Neha Choudhari and Jamkar S.S., Critical appraisal of IS 456-2000 and ACI 318-08 in view of shear in flexural members, presented and published in the proceedings of National Conference on “ Innovations in IT and Engineering” (IITE2k13) organized by Dept. of Computer Science, Sri Venkateswara University, Tirupati, A.P., India, April-20-22,2013
- 52) Rahul D. Solanke and S.S. Jamkar, Properties of Fly Ash Concrete, Proceedings of national Conference on Emerging Trends in Civil Engineering (NCETCE 2013), R.C. Patel Institute of Technology, Shirpur, Dist. Dhule, February 22-23, 2013.

Courses Attended:

Sr. No.	Name of the Course	Organised by	Period
Courses attended before 15-03-1996 while in Irrigation Department			
1)	Analysis and Design of Foundation	The Institution of Engineers	Apr 15-27, 1985 (two weeks)
2)	Workshop on Micro computer Applications in Irrigation Water Management	WALMI, Aurangabad	Feb 15-20, 1988 (one week)
3)	Personality Development	Engineering Staff College, Nasik	Sept 10-13, 1988
4)	Workshop on use of IWM software developed by WALMI, Aurangabad	WALMI, Aurangabad	Dec 12-18, 1988 (one week)
5)	Workshop on using LOTUS 1-2-3 in Irrigation Water Management	WALMI, Aurangabad	Dec 11-16, 1989 (one week)
6)	State level training course on Command Area Development-Important Issues	Water and Power Consultancy Sevices (India) Ltd.	Nov 1-8, 1993
After 15-03-1996			
7)	Short term course under the QIP Program on Finite Element Techniques for Geotechnical Engineers	Geotechnical Engg. Division, Civil Engg. Dept., IIT Madras	30/11 to 4/12/1998 (one week)
8)	One Day Seminar on Improving Quality of Graduate and Diploma Engineering Education	SGGS, Nanded, DTE-Mumbai, Engineering Education Foundation, Pune, and ISTE chapter SGGSC & T, Nanded	Apr 26, 1999
9)	Short term course on Analysis and Design of Earthquake Resistant Structures	National Institute of Technology, Warangal (A.P.)	June 2-4, 2003
10)	Attended and presented paper in the National Conference	National Institute of Technology, Warangal (A.P.)	Jan 23-24, 2004
11)	Short term training programme on Structural Steel Design for University Faculty	INSDAG, ISTE and Dept of Civil Engineering, NIT, Warangal	29-11 to 04-12-2004 (one week)
12)	STTP on Structural and Geo-technical aspects of Earthquake Resistance Design	Guru Nanak Dev Engineering College, Ludhiana (Punjab) and sponsored by AICTE	Dec 21-31, 2004 (Two weeks)
13)	STTP on Energy Audit and Coservation	Govt. College of Engineering, Aurangabad and ISTE	January 17-21, 2005 (one week)
14)	One Day Seminar on Rainwater Harvesting	Indian Water Works Association , Aurangabad Centre	11-03-2005
15)	Participated and Organised STTP on Open Source MySQL and PHP - 2005	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	April 21-22, 2005
16)	One day training workshop on MATLAB for Computer Engineers	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	Sept. 02, 2005
17)	Two days course on Design of RCC Liquid Storage Tanks	IE(I), Pune Local Centre and Dept of Applied Mechanics, PIET, Pune	Sept. 24-25, 2005
18)	Induction Training Programme	National Institute of Technical	Dec. 05-17, 2005

	for Engineering College Teachers	Teacher's Training and Research, Bhopal at Govt. College of Engineering, Aurangabad	(Two weeks)
19)	STTP on "Modeling and Simulation of Engineering Systems in Multi Energy Domains: A Bond Graph Approach"	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	Jan. 9-15, 2006 (one week)
20)	Management Development Programme on 'Personal Effectiveness for Institutional Development	Welingkar Institute of Management, Development and Research under T.E.Q.I.P.	Jan. 23-25, 2006
21)	Two days Training Programme on Intellectual Property Rights (IPR) and Patenting in India and Abroad	K.E. Society's Rajarambapu Institute of Technology, Rajaramnagar- 415414 under T.E.Q.I.P.	Jun. 26-27, 2006
22)	One week STTP under Services to Community and Economy of TEQIP on Renewable Energy Technologies	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	16 th to 20 th January, 2007 (One Week)
23)	One day Seminar on Use of Crushed sand in concrete	KBP College of Engineering and Polytechnic, Satara	March-18, 2008
24)	STTP on Engineering Optimisation, EO-2010	Govt. College of Engineering, Aurangabad and ISTE	28 June to 9 July, 2010 (Two Weeks)
25)	STTP on Genetic algorithm and neuro Fuzzy Applications in Engineering, GANEUFAE-2010	Govt. College of Engineering, Aurangabad and ISTE	29 Nov. to 10 Dec, 2010 (Two Weeks)
26)	STTP on Pedagogy	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	May 16-21, 2011 (one week)
27)	STTP on Soft Computing Tools and its Applications in Engineering (SOCTAPE-2011)	Govt. College of Engineering, Aurangabad and ISTE	20 June to 01 July, 2011 (Two Weeks)
28)	AICTE Staff Development Programme on Advanced Developments in Concrete	Sri Ramakrishna Institute of Technology, Coimbatore sponsored by AICTE, New Delhi	11.07.2011 to 24.07.2011 (Two Weeks)
29)	Two Week STTP on Skill Matrix Enhancement and Effective Teaching Learning for Quality Technical Education (SMEETL-2011)	Govt. College of Engineering, Aurangabad and ISTE	28-11 to 9-12-2011 (Two Weeks)
30)	One Day Workshop on Intellectual Property and Patent Lifecycle Management (IPPLM-2012)	Govt. College of Engineering, Aurangabad under CEP in Association with Inrex ITeS, Pune	18-02-2012
31)	STTP on Finite Elements in Engineering	Govt. College of Engineering, Pune under TEQIP	09.07.2012 to 13.07.2012 (One Week)
32)	One Day Workshop on Self Management and Team Management for Success-Breaking the Barriers	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	18-09-2012

33	Short Course on Finite Element Method	Indian Institute of Technology, Hyderabad	19-12-2012 to 21-12-2012
34	Workshop on Patent and Copyright Policy of Govt. College of Engineering, Aurangabad, (Phase I)	Govt. College of Engineering Aurangabad under T.E.Q.I.P.-II	09-04-2013
35	TEQIP-II Sponsored International Workshop on “Emerging Trends in Earthquake Engineering and Structural Dynamics	Indian Institute of Technology, New Delhi	20-21 st December 2014
36	Structural Engineering Convention (SEC) 2014	Indian Institute of Technology, New Delhi	22-24 th December 2014
37	TEQIP-II sponsored One Day Workshop on Right to Information Act	Govt. College of Engineering Aurangabad under T.E.Q.I.P.	20.04.2015
38	MHRD’s national Mission for teachers and Administrators-Management Capacity Enhancement Programme	Indian Institute of Management Indore	02-08 February 2017

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