



Sinhgad Technical Education Society's

Sinhgad College of Engineering
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,



Dr. Mohankumar Namdeorao Bajad

BE (CIVIL), ME (STRUCTURAL), PHD (NIT)

mnbajad.scoe@sinhgad.edu

9850122293

Significant Achievement

- Gold Medal - Diploma in Civil Engineering
- Publications - Books -16, Research Papers - 48 with 22 citations, 6 hi index and 1 i10 index

Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
ME Structural	M.I.T.Pune	University of Pune.	2002	57.28%	II	Completed
BE Civil	B.N.C.O.Engg. Pusad	Saint Gadge Baba university Amravati	2000	66.25%	I	Completed
Diploma In Civil Engineering	Govt.Poly.Was him	M.S.B.T.E.Mumbai	1997	64.36%	I	Completed
PhD	S.V.N.I.T.Surat	SVNIT,Surat	2014	-	-	Completed

Conference Details

Name	Venue	Date	Level	Category	Type	Sponsored By
Smarter Cities India 2015 : Smarter Solutions for a Better Tomorrow (SCI 2015)	Department of Civil Engineering, Sinhgad College of Engineering, Pune.	08 Jun 2015 to 09 Jun 2015	National	Research		SELF

Research Papers and Journals

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
0975-6744	Experimental investigations in developing concrete containing waste glass powder as pozzolana	2010	Journal of Information, Knowledge and Research In Civil Engineering .1 (1): 32-37.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad

0976-6308	Influence of a fine glass powder on strength of concrete subjected to chloride attack	2011	International Journal of Civil Engineering And Technology.2 (2):1-12.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2448-9428	Effect of glass on strength of concrete subjected to sulphate attack	2011	International Journal of Civil Engineering Research and Development . 1(2):1-12.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0975-9034	Use of waste glass powder as replacement of cement in concrete-experimental study	2011	Civil Engineering and Construction Review. 24(10):84-88.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0974-1518	Density of concrete with waste glass powder as cement replacement	2011	International Journal of Engineering Research And Industrial Applications .4 (4):205-214.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0974-3154	Studies on workability of concrete containing waste glass powder as pozzolana	2011	International Journal of Engineering Research And Technology .4 (4):435-442.	Refereed Journal	Accepted and Published	Mohankumar Bajad
0973-0591	Resistance of concrete containing waste glass powder against MgSO4 attack	2012	New Building Material and construction World .17 (11):216-227.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0975-6469	A state of art report on benefits of using glass powder as a partial replacement in concretes	2012	International Journal of Engineering Studies .4 (1):41-54.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0974-6528	Effects of sodium chloride and magnesium sulphate on glass concrete	2012	The IUP Journal of structural Engineering .5 (3):28-47.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2249-6866	Chloride content in con-glass-crete	2012	International Journal of Civil, Structural, Environmental And Infrastructural Engineering Research And Development . 2(2):32-40.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0970-0137	Higher strength concrete using glass powder	2012	Journal of structural Engineering .39 (3):380-383.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2249-2623	An overview on effect of chloride and sulphate attack on the properties of conglasscrete	2012	Global Journal of Engineering And Applied Science. 4(2):168-172.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2249-426X	Investigations in analysis of conglasscrete	2012	International Journal Of Civil Engineering And Application . 2(2): 83-92.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad

0973-0591	Review on corrosion inhibitors in concrete	2013	New Building Material and construction World .18 (10):174-182	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
0019-4565	Use of waste glass powder in concrete	2013	Indian Concrete Journal .80(07):54-60	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2278-1684	Factors affecting the properties of conglassecrete	2014	IOSR Journal of Mechanical & Civil Engineering 11(2):43-48.	Journal - International level	Accepted and Published	Mohankumar Bajad
1701-8285	Sulphate ion in glass powder concrete	2014	International Journal of Civil And Environmental Engineering.36 (1):1217-1220.	Journal - International level	Accepted and Published	Mohankumar Bajad
1701-8285	Sulphate ion in glass powder concrete	2014	International Journal of Civil And Environmental Engineering36 (1):1217-1220.	Journal - International level	Accepted and Published	Mohankumar Bajad
2278-1684	Effects of recycled aggregate & fly ash in concrete	2015	IOSR Journal of Mechanical & Civil Engineering 12(2)III:28-35.	Journal - International level	Accepted and Published	Mohankumar Bajad
2278-067X	Evaluation of Fixed Base vs. Base Isolated Building Systems	2015	International Journal of Engineering Research and Development1 1(5):33-42.	Journal - International level	Accepted and Published	Mohankumar Bajad
2319-8753	Study Response Of Fixed Base And Isolation Base	2015	International Journal of Innovative Research in Science,Engineering and Technology4(5) :3674-3681.	Journal - International level	Accepted and Published	Mohankumar Bajad
2248-9624	Earthquake Resistant Structure Base Isolation	2015	International Journal of Latest Technology in Engineering & Management.1 (1):1- 6.	Journal - International level	Accepted and Published	Mohankumar Bajad
2248-9622	A Review On: The Influence Of Soil Conditions On The Seismic Forces In RC Buildings	2015	International. Journal of Engineering Research and Applications .5(6):81-87.	Journal - International level	Accepted and Published	Mohankumar Bajad
2278-1684	Effect of Soil-Structure Interaction on High Rise RC Building	2016	IOSR Journal of Mechanical & Civil Engineering. 13(1)IV:85-91.	Journal - International level	Accepted and Published	Mohankumar Bajad
2278-1684	Investigation of Dilemma Zone and Traffic Bottleneck at a Signalised Intersection	2016	IOSR Journal of Mechanical & Civil Engineering . 13(2)II:1-4.	Journal - International level	Accepted and Published	Mohankumar Bajad
[2278-7844	Pre-Estimation of Concrete Cracking	2016	International Journal of Advanced and Innovative Research , 5(3) : 307 ? 311 .	Journal - International level	Accepted and Published	Mohankumar Bajad

2320-0804	The Study of Stiffness Irregular Building with Different Types of Bracings	2016	, International Journal of Engineering Associates ,5(3) : 108-111.	Journal - International level	Accepted and Published	Mohankumar Bajad
2278-7844	The Study of Mass Irregular Rc Structure With Various Arrangements of Steel Bracings	2016	International Journal of Advanced and Innovative Research , 5(3) :335-338.	Journal - International level	Accepted and Published	Mohankumar Bajad
2278-7844	A State of Art Review on Aluminium Formwork Systems	2016	International Journal of Advanced and Innovative Research ,5(3): 320-324.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2278-7844	A State of Art Review on Aluminium Formwork Systems	2016	International Journal of Advanced and Innovative Research ,5(3): 320-324.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2278 - 3814	A Comparative Study of Behaviour of Structural Parameters Subjected to Lateral Forces by Shear Walls and Bracing Systems using Software	2016	Journal of Computing Technologies ,5(3):109-115.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2321 - 7758	Comparative Study of Conventional Technique And Aluminium Formwork Technique Considering Cost Factor	2016	International Journal of Engineering Research ,4(2):606-609.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2278-7844	Impact of SCMs on Concrete	2016	International Journal of Advanced and Innovative Research , 5(4):261-265	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2278-7844	Impact of SCMs on Concrete	2016	International Journal of Advanced and Innovative Research , 5(4):261-265	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2278-7844	Study of Mechanical Properties of SIFCON Material	2016	International Journal of Advanced and Innovative Research , 5(4):2970299.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2320-0804	Study of Provision of Shear Wall in RC Building with Vertical Irregularitie	2016	International Journal of Engineering Associates ,5(4):1-6.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2321 - 7758	Comparative Study of Formwork In Building Construction	2016	International Journal of Engineering Research ,4(2): 150-154.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2454-1362	Design Principles of Traffic Signal	2016	Imperial Journal of Interdisciplinary Research (IJIR) ,2(6):802-804.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad

2249-3905	Analytical Investigation of Flexural Torsional Buckling Resistance Design of Steel Circular Arches with Elastic End Bending Restraints	2016	International Journal of Research in Engineering and Applied Sciences ,6(6):154-162	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2249-3905	Probabilistic Vertical Deformation In Column And Shear Wall By Using ACI Code	2016	International Journal of Research in Engineering and Applied Sciences ,6(6):163-172.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2319-8753	Flexural Torsional Buckling Resistance Design of Steel Circular Arches	2016	International Journal of Innovative Research in Science, Engineering and Technology ,5(7):12394-12401.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2319-8753	Flexural Torsional Buckling Resistance Design of Steel Circular Arches	2016	International Journal of Innovative Research in Science, Engineering and Technology ,5(7):12394-12401.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2319-8753	Flexural Torsional Buckling Resistance Design of Steel Circular Arches	2016	International Journal of Innovative Research in Science, Engineering and Technology ,5(7):12394-12401.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2319-8753	Predicting Axial Shortening of Vertical Elements in High Rise Buildings by Using PCA Method	2016	International Journal of Innovative Research in Science, Engineering and Technology ,5(7):12512-12519.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad
2249-6645	Design Method Prediction for Flexural Torsional Buckling Resistance of Steel Circular Arches- Box-section	2016	International OPEN ACCESS Journal Of Modern Engineering Research (IJMER) ,5(7):8-14.	Refereed and Indexed Journal	Accepted and Published	Mohankumar Bajad

Membership Details

Membership Body	Details	Duration	Level
ICI	Life Member No-.9496	07 Jun 2011 to 30 Jul 2016	International
ISTE	Life Member No. - 104129	01 Jan 2015 to 30 Jul 2016	International
ISSE	Life Member No. -1430	07 Apr 2015 to 30 Jul 2016	International

Post Held

Organization Name	Post	Organization Category	Appointment Status	Duration
S.S.G.B.College Of Engg. Bhusawal	Lecturer	Engineering College	Consolidated	Jul 01,2002 to Jun 11,2005
S.T.B.College Of Engg.Tuljapur	Lecturer	Engineering College	Consolidated	Jun 30,2005 to May 29,2006
Sinhgad College Of Engg. Pune	Assistant Professor	Engineering Collegae	UGC Approved	Aug 25,2006 to Mar 31,2016
Sinhgad College of Engineering , Pune	Associate Professor	Engineering Collegae	UGC Approved	Apr 01,2016 to Jul 26,2016

Books Published

ISBN	Title	Publisher	Publish Year
938006474-8	Concrete Technology	Nirali Prakashan, Pune - 411005 , Maharashtra, India	Jan 2010
938244802	Structural Design I	Nirali Prakashan, Pune - 411005 , Maharashtra, India	Aug 2011
935164126	Structural Design-II	Nirali Prakashan, Pune - 411005 , Maharashtra, India	Jan 2011
938159500-3	Structural Design-III	Nirali Prakashan, Pune - 411005 , Maharashtra, India	Aug 2011
938352553-3	Concrete Technology-NMU	Nirali Prakashan, Pune - 411005 , Maharashtra, India	Sept 2013
938352559-2	Concrete Technology-BAMU	Nirali Prakashan, Pune - 411005 , Maharashtra, India	Sept 2013
978-93-5099-648-5	Concrete Technology-UoM	Technical Publications & Nirali Prakashan, Pune (Maharashtra) India	Jan 2014
2276	Structural Design-I (NMU)	Nirali Prakashan, Pune (Maharashtra) India	Aug 2014
935164394-8	Structural Design-II (NMU)",	Nirali Prakashan, Pune (Maharashtra) India.	Aug 2014
978-93-5099-944-8	Design and Drawing of Steel Structure (UoM	Technical Publications & Nirali Prakashan, Pune (Maharashtra) India.	Jan 2015
978-93-332-0143-8	Theory of Reinforced and Prestresses Concrete (UoM	Technical Publications & Nirali Prakashan, Pune (Maharashtra) India.	Feb 2015
935164469-3	Concrete Technology-SU	Nirali Prakashan, Pune (Maharashtra) India.	Mar 2015

Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.



Date :30-Jul-2016

Dr. Mohankumar Bajad