

## **CURRICULAM VITAE**

**1. Name:** Ganvir Dinesh Vasantrya

**2. Designation:** Principal Scientist & Head

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Rigid Pavement Division  
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**3. Area of Interest:**

- Design, Construction and Rehabilitation of Concrete Pavement
- Design and Construction aspects of White topping
- Utilization of Industrial waste in Concrete Pavement

**4. Educational Qualification:**

Degree	University	Year	Division	Specialization
Master in Civil Engineering	Maharaja Sayajirao University, Baroda	2006	First	Highway and Transportation Engineering
Bachelor in Civil Engineering	Maharaja Sayajirao University, Baroda	2004	First	Civil Engineering

**5. Professional Experience:**

Designation	Employer	Period	Nature of Duties
Principal Scientist	CSIR-CRRI	01.12.2018 to till date	Research and Consultancy Projects
Senior Scientist	CSIR-CRRI	01.12.2013 to 30.11.20.18	Research and Consultancy Projects
Scientist	CSIR-CRRI	01.12.2009 to 30.11.2013	Research and Consultancy Projects
Scientist -B	CSIR-CRRI	01.12.2006 to 30.11.2009	Research and Consultancy Projects
Graduate Engineer (P1)	Jacobs India Pvt Ltd. Ahmedabad	08.05.2006 to 30.11.2006	Consultancy Projects

**6. Membership of Professional Bodies:**

- Life Member, Indian Road Congress (IRC)
- Life Member, Transportation Research Group (TRG), India
- Associate Member, Institute of Engineer India (IEI)
- Life Member, Indian Concrete Institute (ICI)
- Life Member, Indian Geotechnical Society (IGS)

- Life Member, Indian Geotechnical Society, Delhi chapter

## 7. Achievement:

### Honor /scholarship:

- Chaired Session “Utilization of Industrial waste in Pavement” in 5<sup>th</sup> Conference on Transportation Research Group, Bhopal, 21<sup>st</sup> December 2019.
- Deputed to Singapore for Presenting Paper in Eighth International Conference on Maintenance & Rehabilitation of Pavements(MAIREPAV-8) in Singapore, 27-29<sup>th</sup> July 2016
- Scholarship from **Ministry of Human Resource Development-2004** (GATE-2004) for doing post-graduation.

### Research Projects:

- Feasibility study of Zinc tailing waste material in the construction of road.
- Development of Design Guidelines and specification for utilization of steel slag in Road Construction.
- Development of Design guidelines and specification for utilization of steel slag in road construction for JSW steel
- Feasibility study of FF slag Waste Material in the construction of Road
- Design and Performance Evaluation of Cement Grouted Bituminous Mix (CGBM) for urban roads.
- Optimization of Micro Silica for Pavement Quality Concrete Mixes
- Utilization of Waste Material (Jarosite and Jarofix) in Concrete Pavement - CSIR 12<sup>th</sup> five-year plan project
- Utilization of Industrial Waste Jarosite in Concrete Pavement (PQC and DLC)
- Development of a Management System for Maintenance Planning and Budgeting of High Speed Road Corridors –CSIR 11<sup>th</sup> Five-year plan project
- R & D studies on performance Evaluation of Rigid Pavements on High Density Traffic Corridors using Instrumentation supported by Laboratory Support. Sponsored by Ministry of Road Transport and Highways (MoRTH)
- Feasibility study of using imperial smelting furnace slag as fine aggregate for construction of embankments, granular sub-base, cement concrete and bituminous layer.

- Effect of Bottom ash/Pond ash as replacement of fine aggregate in concrete

### Journal Publication

1. Sinha A. K., Ganvir D V & Dr V G Havanagi, "Strength of Fuming Furnace Slag for construction of Rigid Pavement" Indian highways Journal, Volume 48, No.7,pg.9-15, July 2020, ISBN 0376-7256
2. J.B.Sengputa & Dinesh Ganvir, "Utilization of Supplementary Cementitious material for Eco-Friendly Road Construction" Civil Engineering and Construction Review journal, Vol.28 No.9,pg 56-65,September 2015, ISBN no 0975-9034
3. Dr. A.K.Mishra, Dr. Renu Mathur, J.B.Sengupta,Dr. Rakesh kumar, & Dinesh Ganvir, "Distress in Cement concrete Pavement – A Case Study" Indian road congress Journal, Vol. 74-3, October – December 2013,pg. 251-268, ISSN 0258-0500
4. Abhishek Mittal, Dr. P.K.Jain, Sh. J.B. Sengupta & Dinesh Ganvir " Emerging technologies in pavement", New Building Materials & construction World, Vol., Issue-, September 2012, pg-.132-139
5. J.B.Sengupta, Dinesh Ganvir & Dr. Renu Mathur "Critical Review points on the design and construction of Concrete Roads in India."New Building Materials & construction World, Vol.14, Issue-6, December 2008, pg-176-183.

### National /International Conference Publication

1. **Dinesh Ganvir** & Binod Kumar (2019), Effect of Jarosite as partial replacement of fine aggregate in Pavement Quality Concrete Mixes, Presented and attended in 5<sup>th</sup> Conference on Transportation Research Group (CTRG-2019), India
2. **Dinesh Ganvir**, Binod Kumar and Brajesh Malviya(2019), Influence of Microsilica on Pavement Quality Concrete, International Seminar on Construction and Rehabilitation of Rigid Pavement – Current Practice and Way Forward,
3. **Dinesh Ganvir**, Nikunj Sureja, Binod Kumar & Dipak Rathava (2018), Properties of Binary Blended Concrete with Ground Granulated Blast furnace Slag for Pavement Quality concrete, Published in the proceeding of International conference on Pavement and Computational approaches(ICOPAC-2018), 167-176
4. Dinesh Ganvir, Nikunj Sureja, Binod Kumar and Dipak Rathava, (2017) "Ternary Blended Concrete Mixes for Rigid Pavement using Flyash and Ground Granulated Blast furnace Slag" Presented and Published in the proceeding of 4<sup>th</sup> Conference on Transportation Research Group(CTRG-2017) of India ", Mumbai, 17-20<sup>th</sup> December 2017.
5. Dinesh Ganvir, Binod Kumar and J.B.Sengputa, (2017)"Properties of Pavement Quality Concrete with Jarofix as Partial replacement of fine aggregate" Presented and Published in the proceeding of 15<sup>th</sup>

NCB International seminar on Cement, Concrete and Building Materials, Newdelhi, 5-8<sup>th</sup> December 2017

6. Nikunj Sureja, Dinesh Ganvir, Binod Kumar and Dipak Rathava, (2017) "Mechanical Properties of Binary Blended Mixes for Rigid Pavement Construction" Presented and Attended in World Road Meeting (WRM-2017), New Delhi 14-17<sup>th</sup> November 2017.
7. Dinesh Ganvir, Binod Kumar and J.B Sengupta ,(2017)"Evaluation of Jarosite as a Mineral Admixture in Pavement Quality Concrete for Construction of Rigid Pavement" published in the proceeding of National conference on "Emerging Trends & Developments in Civil Engineering (NCETDCE-2017)" organized by MNIT Jaipur, 11-12<sup>th</sup> November 2017
8. Abhishek Mittal, Dinesh Ganvir and M N Nagabhusana (2017), "Overlay Estimation using Falling Weight Deflectometer and Benkalman Beam Deflection-A Case Study" Attended and Published in proceeding of National Conferences on Road and Transport 2017(NCORT-2017), IIT Roorkee, 14-15<sup>th</sup> October 2017
9. Dinesh Ganvir, Pranshul Jain, Dr. Sangita Sharma & Dr. Vandane Tare(2016), "Evaluation Of Pulverized Non Metallic Fraction Of Printed Circuit Boards In Pavement Quality Concrete" Paper presented and published in proceeding of Eighth International Conference on Maintenance & Rehabilitation of Pavements(MAIREPAV-8) in Singapore, 27-29<sup>th</sup> July 2016 pp.154-161, ISBN 978-981-110449-7
10. J.B.Sengupta & Dinesh Ganvir(2014) " Utilization of supplementary cementitious material as eco-friendly road construction " Paper presented and published in 2<sup>nd</sup> International Congress on durability of Concrete(ICDC)in New Delhi
11. J.B.Sengupta & **Dinesh Ganvir** (2012)" Use of synethic fiber and steel fiber as reinforcing admixture in concrete Pavement" Paper presented and published in proceeding of " Fiber reinforced concrete – Global development" FIBCON2012 in Nagpur, pp 137-147
12. Sh.Dinesh Ganvir & J.B.Sengupta,(2012) " Sustainable Concrete Pavement" published in Seminar on Cement Concrete Roads & Whitetopping" organized by CSIR-CRRI & Cement manufacture's Association, 24<sup>th</sup> August 2012, New Delhi
13. Abhishek Mittal, Dr. P.K.Jain, J.B.Sengupta & Dinesh Ganvir ,July 16<sup>th</sup> 2012 "New and Emerging Road Technologies for Future" published in Souvenir of CSIR-CRRI Diamond Jubilee,
14. J.B.Sengupta & **Dinesh Ganvir**(2010) "Use of Industrial and Agro-based materials in construction of Concrete Pavement". Proceeding Rashtria Sangasohti, nirmaan samagri: Vision 2030, Khand-2, D-6-9.