

BIO – DATA OF PANKAJ GOEL

1. Name : PANKAJ GOEL
2. Date of Birth : Sept. 5th 1970
3. Present post : Sr. Technical Officer
4. Academic Qualification



Degree (in reverse order up to degree only)	Class / grade	University	Year of passing	Scholarship / award
Ph.D	Pursuing	IIT Delhi		
M-Tech in Construction Engineering & Management (Materials)	8.9 (Gold Medal)	Indian Institute of Technology Delhi (IIT Delhi)	2011	Gold Medal from IIT Delhi being Topper of M- Tech
B.E. (CIVIL)	1 st Division 76% (with Honors)	Jamia Millia Islamia, New Delhi	2006	1st Division with Honors

5. Brief description

I am recipient of “**Gold Medal**” from **IIT Delhi** for being topper of M- Tech batch (in 2010-11) of Construction Engineering and Management (Materials) and also recipient of CRRI outstanding performance award “**Young Technical Officer**” of the year 2008- 09. I am working as Senior Technical Officer in Rigid Pavement Division of CSIR-CRRI since last 18 years and having a wide experience in Civil Engineering Construction Materials exclusively the concrete pavements materials and involved in many sponsored, R & D and consultancy projects. My professional interest includes evaluating the performance of industrial waste materials as well as by products such as synthetic fiber reinforced concrete, marble slurry dust, wollastonite, phosphor-gypsum, fly-ash, curing compound etc, in the

construction of concrete pavements. I was also involved in many Quality Assurance & Quality Control projects of concrete pavements. I have **more than 17 research papers** in my credit those are published in various prestigious journals, seminars and international conferences.

6. Publications and Awards

A. Research Papers & Publications

1. **“A study on influences of polyester, polypropylene (pp) multifilament and fibrillated fiber on a paving concrete”** Authored by Dr. Rakesh Kumar & Pankaj Goel, Proceeding of *International Conference on Innovations in Concrete for Infrastructure Challenges Nagpur, ICI Centre of Nagpur, India* October 6-7, 2017, on a CD.
2. **“Performance of synthetic fiber reinforced concrete in the construction of pavements”**, Authored by Pankaj Goel, Dr. Rakesh Kumar, and Prof. B Bhattacharjee, Published in *Indian Concrete Journal*, Vol. 89 (4), April 2015, pp. 52-61.
3. **“Suitability of Synthetic Fiber for the Construction of Concrete Pavements”** Authored by Dr. Rakesh Kumar, Pankaj Goel, Dr. Renu Mathur and Prof. B Bhattacharjee Published in *SCI Journal of Scientific and Industrial Research*, Vol. (73), July 2014, pp. 448-452.
4. **“Magnetized water: An upcoming Technology for Construction Industry”** Authored by Pankaj Goel and Dr Rakesh Kumar, published in *NBM & Construction World, Construction World*, ISSN 0973-0591, Vol. 19 (12), June 2014, pp. 126-132.
5. **“Performance of concrete containing polypropylene multifilament fiber vis-a- vis fibrillated fiber”** Authored by Pankaj Goel, Dr. Rakesh Kumar, Prof. B

Bhattacharjee and Dr. Renu Mathur, published in *Indian Concrete Journal*, Vol. 88 (6), June 2014, pp. 16-24.

6. **“Manufacturing of Dry Lean Concrete (DLC) using portland pozzolana cement”**
Authored by Dr. Rakesh Kumar, Dr. Renu Mathur, Dr. A.K. Misra and Pankaj Goel
Published in *NBM & Construction World*, ISSN 0973-0591, Vol. 19 (4), October 2013, pp. 118-124.
7. **“An Experimental Study on Concrete reinforced with Fibrillated Fiber”**
Authored by Pankaj Goel, Dr. Rakesh Kumar and Dr. Renu Mathur, *SCI Journal of Scientific and Industrial Research*, Vol.71 & 72 (1) Erratum, November 2012, pp. 722-726.
8. **“A Laboratory Study on the uses of Synthetic Fiber in Concrete Pavements”**
authored by Dr Rakesh Kumar, Pankaj Goel, Dr Renu Mathur, and Prof. B. Bhattacharjee, *Proceedings of ICI International Conference on Trends and Challenges in Concrete Structures*, Ghaziabad, December 2013, pp. 311-320.
9. **“Suitability of concrete reinforced with synthetic fiber for the construction of pavements”** Authored by Dr. Rakesh Kumar, Pankaj Goel, and Dr. Renu Mathur
Proceedings of Third International Conference on Sustainable Construction Materials and Technologies – SCMT3, , Kyoto, Japan, August 2013, e197 on CD.
10. **“Conventional Vis-À-Vis Synthetic Fiber Reinforced Concrete for the Construction of Rigid Pavements”**, Authored by Dr. Rakesh Kumar, Pankaj Goel and Dr. Renu Mathur
Proceedings of International Conference on Fiber Reinforced Concrete-Global Development, Nagpur-India, February 2012, pp. 112-124.
11. **“Strength of Concrete vs. Grade of Cement”** Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel
Published in *NBM Construction World*, ISSN Nos. 0973-0591, Vol. 17 (4), October 2011, pp.122-126.

12. **“Evaluation of suitability of oil well drill cuttings for road making”** Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel Published in *SCI Journal of Scientific and Industrial Research*, Vol. 70, March 2011, pp. 305-307.
13. **“Sangmarmar Udyog ke upshisht padarath, Sangmarmar (Marble Slurry Dust) ke Sadak, Tatbandh aur concrete main upyogita”** Authored by Sh. Manoj Kumar Singh, Sh. Pankaj Goel, Dr A.K. Mishra & Dr. Renu Mathur Published in Nirman Surbhi Rashtriya Sangoshi, CRRI, New Delhi, 12-13 May 2010.
14. **“A new technology of marble slurry waste utilization in roads”** Authored by Dr. A. K. Misra, Dr. Renu Mathur, Y V Rao, A P Singh and Pankaj Goel Published in *SCI Journal of Scientific and Industrial Research*, Vol. 69, December 2009, pp. 67-72.
15. **“Wollastonite and Marble Slurry Dust- Inert Mineral Admixtures for cement concrete”** Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel Published in *Indian Highways (IRC)*, December 2007, pp. 41-46.
16. **“Influence of Wollastonite on the Mechanical Properties of Concrete”** Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel Published in *SCI Journal of Scientific and Industrial Research*, Vol. 66 (September 2007), pp. 1029-1034.
17. **“Use of Phosphogypsum: An Industrial by product in stabilization of Black Cotton Soil”** Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel Published in *Journal of Highway Research Bulletin (IRC)*, 70 (November 2004), pp. 65-75.
18. **“Marble Slurry Waste – A Potential Building Material”**. Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel Published in *Indian Cement Review*, August 2003.
19. **“Marble Slurry Dust in Roads: An Apt solution for the Industrial waste”** Authored by Dr. A. K. Misra, Dr. Renu Mathur & Sh. Pankaj Goel Published in *Journal of Highway Research Bulletin (IRC)*, 65 (12), (2001), pp. 83-92.

B. Awards

- 1) **“Gold Medal Award” from IIT Delhi**, for being the Topper of M-Tech Batch (2011) in Construction Engineering and Management.
- 2) **“Outstanding Performance Award”** Best Young Technical Officer of CRRI for the Year 2008-2009.

7. Contact Details

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