

Anjan kumar S

Assistant Professor, Department of Civil Engineering,
Indian Institute of Technology Guwahati (IITG), Guwahati-781039, Assam
Tel: 91-361-258 3332 (O), Fax: +91-361-258 2440, Email: sak@iitg.ernet.in

EDUCATION:

Ph.D (2012), Indian Institute of Technology Madras, India

M.E (2006), University Visvesvaraya College of Engineering, Bangalore University, India

B.E (2004), Bangalore Institute of Technology, Visvesvaraya Technological University, India

Professional Experience:

- *Advisory Consultant (2014-2015)*, Larsen & Toubro (L&T), Infrastructure Development Projects Limited, India.
- *Post-Doctoral Research Fellow (2012-2014)*, Centre for Transportation Infrastructure Systems (CTIS), The University of Texas at El Paso, USA.
- *Senior Design Engineer-Research (2011-2012)*, Larsen & Toubro (L&T), Infrastructure Development Projects Limited, India.
- *Project Associate (2006- 2007)*, Indian Institute of Technology Madras, India.

Specialization: Transportation Engineering

Primary Research Interests:

- Analysis and Design of Pavement Structures
- Pavement Material Characterization
- Pavement Construction and Recycling
- Pavement Management Systems
- Pavement Evaluation using NDT
- Forensic Investigations of Pavement Failures

Honors/Awards/Medals:

- *Post-Doctoral Fellowship*, Centre for Transportation Infrastructure Systems, The University of Texas at El Paso, 2012-2014
- *Graduate Research Fellowship*, Indo-US Science and Technology Forum, 2009
- *Special Paper Award*, National symposium, Recent Advances in Civil Engineering, India, 2009
- *Best Paper Award*, Ninth National Conference on Technical Trends, India, 2008
- *Gold Medal*, M.E (Civil), Highway Engineering, Bangalore University, 2006

PUBLICATIONS

International Journal/Conference

Danniel D. R., Imad, N. A., Brett, H., **Anjan kumar, S.**, and Soheil, N. (2015). "Methodology for determining performance life of various hot-mix asphalt mixtures in Texas." 94th Annual Meeting, *Transportation Research Board (TRB)*, Washington DC.

Anjan kumar, S., Sarvanan, U., Murali Krishnan, J., and Veeraragavan, A. (2014). "Rheological characterization of modified binders at mixing and compaction temperature." *International Journal of Pavement Engineering*, Vol 15 (9), 767-785.

Anjan kumar, S., and Veeraragavan, A. (2012). "Rheological and rutting characterization of asphalt mixes with modified binders." *Journal of Testing & Evaluation*, ASTM, Vol. 40(1), 1-12.

Anjan kumar, S., and Veeraragavan, A. (2011). "Dynamic mechanical characterization of asphalt concrete mixes with modified asphalt binders." *Material Science and Engineering*, Vol. 528 (21), 6445-6454.

Anjan kumar, S., Alagappan, P., Murali Krishnan, J., and Veeraragavan, A. (2011). "Mechanical response of modified asphalt pavements." First T&DI Congress, *Integrated Transportation & Development for a Better Tomorrow*, ASCE.

Anjan kumar, S., and Veeraragavan, A. (2010). "Performance based binder type selection using mixed integer programming technique." *Construction and Building Materials*, Vol. 24 (11), 2091-2100.

Anjan kumar, S., Tahseen. H., Mallick. R. B., and Veeraragavan, A. (2010). "Life cycle cost analysis of flexible pavements with modified asphalt mixes Indian experience." 11th *International Conference on Asphalt Pavements*, ISAP, Nagoya, Japan.

Anjan kumar, S., Amarnath, M. S., and Veeraragavan, A. (2008). "Effect of air voids on fatigue performance of asphalt mixtures." Proceedings, *The Sixth International Conference on Road and Airfield Pavement Technology (ICPT)*, Sapporo, Japan, 403-410.

Anjan kumar, S., Murali Krishnan, J., and Veeraragavan, A. (2008). "Steady shear properties of a class of aged bitumens." 4th *International Gulf Conference on Roads (IGCR)*, Doha, Qatar, No. 041, 441-451.

Anjan kumar, S., Mishra, S. K., and Veeraragavan, A. (2008). "Improved performance of bituminous concrete mixes with polymer modified binder for Indian highways." *International Conference on Transportation Planning and Implementation Methodologies for Developing Countries*, (TPMDC), IIT Bombay, India.

National Journal/Conference

Kanishak, C., **Anjan kumar, S.**, Rajib B. Mallick., and Veeraragavan, A. (2012). "Investigations on laboratory performance of bituminous mixes with reclaimed asphalt pavement materials- A step towards sustainable road infrastructure in India." *Journal of Indian Road Congress (IRC)*, Vol. 72 (3), 339-352.

Anjan kumar, S. (2009). "Viscous characteristics of modified binders during mixing and compaction." *Student Symposium on Research in Civil Engineering*, Indian Institute of Technology Madras, India.

Anjan kumar, S., and Veeraragavan, A. (2009). "Effect of bitumen content on fatigue life of SBS polymer modified bituminous concrete mix." *National symposium on Recent Advances in Civil Engineering (RACE)*, J. N. T. U. College of Engineering, India.

Anjan kumar, S., and Veeraragavan, A. (2008). "Needed characterisation of modified binders in India." *Proceedings, New Building Materials and Construction World*, India, Volume 14, Issue-3, 242-255.

Anjan kumar, S., Amarnath, M. S., and Veeraragavan, A. (2008). "Studies on relative performance of bituminous concrete mixes with different gradations." *Ninth National Conference on Technical Trends (NCET)*, CET, Kerala, India.