

PI and Co-PI Research Grants

(Total: \$ 1,551,959)

1. **Texas Department of Transportation. Budget: \$671,395.** Title: "Interagency Cooperation Contract: Slope Stability Analyses and other Tasks". **PI: MD Sahadat Hossain.** **Co-PIs:** Laureano Hoyos, Anand Puppala and Stefan Romanoschi. Project Duration: September 09 – August 2011.
2. **City of Denton, Texas. Award: \$182,787.** Title: "Performance Monitoring of Leachate Recirculation Systems in ELR Landfill" **PI: MD Sahadat Hossain.** Project Duration: May 2009- April 2012.
3. **(a) Environmental Protection Agency (EPA): Award to City: \$200,000.** Title: "City of Arlington – Community-wide Petroleum Assessment Grant Proposal". **PI: MD Sahadat Hossain.** Proposed Duration: 2 years (10/01/07 – 09/30/09) – In collaboration with City of Arlington.
(b) Environmental Protection Agency (EPA): Award to City: \$200,000. Title: "City of Arlington – Community-wide Hazardous Waste Assessment Grant Proposal". **PI: MD Sahadat Hossain.** Proposed Duration: 2 years (10/01/07 – 09/30/09) – In collaboration with City of Arlington. (UTA: \$50,000).
4. **City of Duncanville, Texas. Award: \$12,001.** Title: "Assessment of Geo-hazard Potentials for Duncanville Development Centers using High Resolution Resistivity Equipment" **PI: MD Sahadat Hossain.** Project Duration: October 2007 to November 2007.
5. **University Research Grants - UTA. Award: \$32,775.** "Acquisition of Mercury Analyzer for Environmental Research" PI: Melanie Sattler, and **Co-PI: MD Sahadat Hossain.**
6. **University Research Grants - UTA. Award: \$46,826.** "Acquisition of High Resolution Resistivity Equipment for Geotechnical and Geoenvironmental Research" **PI: MD Sahadat Hossain** and Co-PI: Mohammed Najafi.
7. **American Concrete Pipe Association. Award: \$25,220.** Title: "Finite Element-Based Investigations of the Effects of Bedding Thickness and Bedding Irregularities on the Underground Pipes". PI: Ali Abolmaali. **Co-PIs: MD Sahadat Hossain** and Jiwon Jung. Project Duration: (06/01/05 – 05/31/06).
8. **Texas Industries Inc. (TXI). Award: \$102,895.** Title: "Engineering properties of cemented, fiber-reinforced recycled aggregate materials for base/sub-base applications in pavement engineering". PI: Laureano Hoyos. **Co-PIs:** Anand Puppala and **MD Sahadat Hossain.** Project Duration: 1.25 years (06/01/05 – 08/31/06).
9. **Texas Department of Transportation. Award: \$428,060.** Contract # 02-6XXIA003. Title: "Interagency Cooperation Contract: Compost applications for mitigation of pavement cracking". PI: Anand Puppala. **Co-PIs:** Sayed Qasim, Laureano Hoyos, and **MD Sahadat Hossain.** Project Duration: 1.6 yrs (02/14/06 – 08/31/07).

Research Proposals Pending

1. **National Science Foundation (NSF): Proposed Budget: \$172,842.** Title: "Dynamic Characteristics of MSW in Bioreactor Landfills". **PI: MD Sahadat Hossain.** Co-PI: Laureano Hoyos. Proposed Duration: 3 Years (09/01/09-08/31/12).

2. **City of Dallas, Texas. Proposed Budget: \$180,000.** Title: "Performance Monitoring of Leachate Recirculation Systems in ELR Landfill" **PI: MD Sahadat Hossain.** Proposed Duration: 3 years.
3. **Environmental Research and Education Foundation (EREF). Proposed Budget: \$118,311.** Title: "An Improved Model to Predict Gas Generation from Bioreactor Landfills" **PI: MD Sahadat Hossain, Co-PI: Melanie Sattler.** Proposed Duration: 2 years.