



## Gurpal S. Toor

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### EDUCATION

<b>Institution</b>	<b>Field of Study</b>	<b>Degree</b>	<b>Year</b>
Lincoln University	Environmental Soil Science	PhD	2002
Punjab Agricultural University	Soil Chemistry & Fertility	MS	1996
Punjab Agricultural University	Agriculture & Chemistry	BS (Hons.)	1993

### PROFESSIONAL EMPLOYMENT

<b>Employer</b>	<b>Rank</b>	<b>From</b>	<b>To</b>
University of Florida	Assistant Professor*	6/15/2007	Current
University of Arkansas	Research Scientist	6/1/2005	6/14/2007
University of Delaware	Post-Doctoral Researcher	4/1/2002	5/31/2005

\*tenure accruing

**Affiliate Faculty with following University of Florida Institutes/Centers:** Center for Landscape Conservation and Ecology; School of Natural Resources and Environment; Water Institute; Hydrologic Sciences Academic Cluster.

### AREAS OF SPECIALIZATION

Soil chemistry; Water quality, Environmental fate and transport of nutrients and contaminants.

### ASSIGNED ACTIVITY AT UNIVERSITY OF FLORIDA

Activity	2009-2010	2008-2009	2007-2008
Teaching	5	5	0
Research	70	70	70
Extension	25	25	30
Total	100%	100%	100%

**TOTAL FEDERAL, STATE, INDUSTRY GRANTS SINCE 2007 as PI and CO-PI: \$5,283,758**

**GRADUATE STUDENT/SCHOLAR MENTORING** – Chair of a M.S. student graduated in 2008. Co-Chair of 1 Ph.D. student committee. Chair of 5 M.S. students. Member of 1 M.S. committee. Advised an international visiting professor for three months. Co-advised an international visiting scholar from China for 1-year.

**UNIVERSITY OF FLORIDA GOVERNANCE AND SERVICE**

<b>Date</b>	<b>Committee Type</b>	<b>Role</b>
2008-present	IFAS Research Roadmap–SWSD Soil Chemistry; GCREC Committee	Member
2008-present	Faculty Affairs–REC Faculty	Member
2008-present	Extension, Outreach, and Publications–Research Forum	Member
2008-present	Land Use and Facilities Planning Committee	Member
2008-present	SWSD-Research Forum Committee	Member
2008-present	Environmental Health & Safety Committee	Member
2008-present	GCREC Analytical Lab Committee	Chair
2007	Search and Screen Committee –Chemist	Chair

**MEMBERSHIPS AND ACTIVITIES IN THE PROFESSION**

**Professional Activities and Memberships**

<b>Date</b>	<b>Type</b>	<b>Role</b>	<b>Description</b>
2008-2011	Serve in Appointed Position	Associate Editor	Appointed on Editorial Board of Journal of Environmental Quality
2009	Review Grant Proposals	Ad-hoc reviewer	Florida Sea Grant
2008	Review Grant Proposals	Panel Member	Served on USDA-CSREES Review Panel
2008	Review Grant Proposals	Ad-hoc Reviewer	Served on NSF Review Panel
2002-present	Member	Member	American Society of Agronomy–Soil Science Society of America
2009	Member	Member	American Chemical Society
2009-present	Member	Member	International Water Resources Association
2002-present	Member	Member	Southern Extension-Research Activity (SERA 17)

## HONORS

- International Travel Grant– UF/IFAS International Programs Advisory Team (2008)
- UF-IFAS Research Innovation Award–Co-PI (2008)
- UF-IFAS Research Innovation Award– PI (2007)
- Wilford Gardner International Union of Soil Science Congress Fellowship (2006)
- Commonwealth Scholarship for Ph.D. study (1999-2002)
- Commonwealth Science Council (UK) Travel Grant (2001)
- Royal Society of New Zealand Travel Grant (2001)
- University Merit Certificate–awarded for Overall GPA 3.71 or above (1996)
- University Merit Scholarship–awarded to top 5% students (1993-1995)

## PUBLICATIONS: *Summary*

Category	Total	Since 2007 UF Employment
Book Chapters	1	0
Referred Journal Publications	38	13
Non-referred Publications	7	4
Published Abstracts	53	15
Lectures, Posters Presented	61	23
<b>Total</b>	<b>160</b>	<b>55</b>
<i>Referred Publications (In Preparation)</i>		<i>15</i>

## RESEARCH IMPACT: Quantitative analysis of the quality of journals in which my papers have appeared.

Journal Name	No. of my papers	Impact Factor	5-Year Impact Factor
Bioresource Technology	5	4.453	4.815
Advances in Agronomy	1	3.114	3.705
Soil Biology & Biochemistry	1	2.926	3.564
European Journal of Soil Science	1	2.240	2.993
Agriculture, Ecosystems & Environment	1	2.884	2.980
Journal of Environmental Quality	6	2.098	2.823
Soil Science Society of America Journal	1	2.207	2.673
Plant & Soil	1	1.998	2.413
Soil Use & Management	1	1.895	1.796
Nutrient Cycling in Agroecosystems	1	1.282	1.668
Soil Science	1	1.037	1.209
Trans. ASABE	1	0.902	1.147
Soil & Sediment Contamination	2	0.881	1.020
Journal of Applied Poultry research	1	0.568	0.770
HortTechnology	1	0.522	0.688
New Zealand Journal of Agricultural Research	1	0.318	0.681
<b>Median Impact Factor</b>		<b>1.998</b>	<b>2.413</b>

### Profiles of Comparable Categories Derived from ISI Web of Knowledge (08/2009)

Category	Total Cites	Median Impact Factor <sup>1</sup>	Aggregate Impact Factor <sup>2</sup>	# Journals
Soil Science	101,960	1.245	1.560	31
Env. Science	581,126	1.441	2.228	163
Agronomy	125,286	1.152	1.452	49

<sup>1</sup>**Median Impact Factor:** is the median value of all journal Impact Factors in the subject category.

<sup>2</sup>**Aggregate Impact Factor** for a subject category is calculated the same way as the Impact Factor for a journal, but it takes into account the number of citations to all journals in the category and the number of articles from all journals in the category. An aggregate Impact Factor of 1.0 means that that, *on average*, the articles in the subject category published one or two years ago have been cited one time.

### ASSESSMENT OF TOOR'S RESEARCH PUBLICATION QUALITY:

- Toor's median journal impact factor (IF) of 1.998 and 5-year IF of 2.413 is about two times higher than median IFs of comparable categories (soil, environmental sciences, and agronomy) in ISI Web of Knowledge.
- Toor's maximum IF was 4.453 and maximum 5-year IF 4.815, which suggests that he published in internationally recognized journals of high quality.
- Toor's average citations per article are 9.82 and average citations per year are 18.00
- Toor's current **Hirsch (H) Index is 10**. The H index represents both productivity (number of papers) and their impact (number of citations), but is dependent on scientific age of a researcher i.e., number of years since the first paper is published.
- For soil scientists, Budiman et al. (2007; "Soil Science and the H Index" in *Scientometrics*, Vol. 73(3): 257-264) noted that the H Index for "Soil" is lower than "Air" and "Water", because natural resources subjects have a slow intake meaning that the impact progresses slowly. They found  $H = 0.69 \times \text{scientific age of a researcher}$  (Eq. 1) for soil scientists.
- Given Toor's scientific age of 7.0 years the calculated **H factor according to Eq. 1 is 4.83**. However, **Toor's current H factor of 10** is twice as much than the calculated H factor of comparable soil scientists, according to Eq. 1.

### LIST OF PUBLICATIONS (Total 175: Published 160, In Preparation 15):

#### Book Chapter(s) – 1

1. Toor, G.S., S. Hunger, J.D. Peak, J.T. Sims, & D.L. Sparks. 2006. Advances in the characterization of phosphorus in organic wastes: environmental and agronomic applications. *Advances in Agronomy*, 89:1-72.

#### Refereed Journal Publications (Published: 38) (\*graduate student; 13 since 2007 UF employment)

2. \*Banger, K., G.S. Toor, L. Ma, & T. Chirenje. 2010. Distribution of polycyclic aromatic hydrocarbons in urban soils of Miami, Florida. *Soil and Sediment Contamination*. 19. In Press.
3. \*Chahal, M.K., G.S. Toor, & P. Brown. 2010. Trace metals and polycyclic aromatic hydrocarbons in an urbanized area of Florida. *Soil and Sediment Contamination*. 19. In Press.
4. Toor, G.S. 2009. Enhancing phosphorus availability in low-phosphorus soils by using poultry manure and commercial fertilizer. *Soil Science*. 174:358–364.
5. Toor, G.S., & B.E. Haggard. 2009. Phosphorus and trace metal dynamics in soils amended with poultry litter and granulates. *Soil Use & Management*. DIO:10.1111/j.1475-2743.2009.00235.x.

6. \*Banger, K., S.S. Kukal, G.S. Toor, & Sudhir, K. **2009**. Impact of long-term additions of chemical fertilizers and farm yard manure on carbon and nitrogen sequestration under rice-cowpea cropping system in semi-arid tropics. *Plant and Soil*. 318: 27–35.
7. Stanley, C.D., & G.S. Toor. **2009**. Florida commercial horticultural production: constraints limiting water and nutrient use efficiency. *HortTechnology*. In Press.
8. \*Banger, K., G.S. Toor, S.S. Kukal, S.S. Sidhu, T.H. Hanumanthraju, & K. Sudhir. **2009**. Soil organic carbon fractions after 16-years of applications of fertilizers and organic manure in a Typic Rhodalfs in semi-arid tropics. *Nutrient Cycling in Agroecosystems*. DOI: 10.1007/s10705-009-9301-8.
9. Toor, G.S., R.D. Harmel, B.E. Haggard, & G. Schmidt. **2008**. Evaluation of regression methodology with low-frequency water quality sampling to estimate constituent loads for ephemeral watersheds in Texas. *Journal of Environmental Quality*. 37:1847–1854.
10. Toor, G.S., B.E. Haggard, & A.M. Donoghue. **2007**. Water extractable trace elements in poultry litters and granulated products. *Journal of Applied Poultry Research*. 16:351–360.
11. Toor, G.S., B.E. Haggard, M.S. Reiter, T.C. Daniel, & A.M. Donoghue. **2007**. Phosphorus solubility in poultry litters and granulates: influence of litter treatments and extraction ratios. *Transactions of the American Society of Agricultural and Biological Engineers*. 50:533–542.
12. Toor, G.S., B.E. Haggard, S.M. Williamson, & A.M. Donoghue. **2007**. Less environmental effects from granulated litter. *World Poultry*. 23:26–27.
13. He, Z., B.J. Cade-Menun, G.S. Toor, A. Fortuna, C.W. Honeycutt, & J.T. Sims. **2007**. Comparison of phosphorus forms in wet and dried animal manures by solution phosphorus-31 nuclear magnetic resonance spectroscopy and enzymatic hydrolysis. *Journal of Environmental Quality*. 36:1086–1095.
14. Kleinman, P.J., D. Sullivan, A. Wolf, R.C. Brandt, Z. Dou, H.A. Elliott, J. Kovar, A.B. Leytem, R.O. Maguire, P. Moore, L. Saporito, A.N. Sharpley, A.L. Shober, J.T. Sims, J.P. Toth, G.S. Toor, H. Zhang, & T. Zhang. **2007**. Selection of a water extractable phosphorus test for manure and biosolids as an indicator of runoff loss potential. *Journal of Environmental Quality*. 36:1357–1367.
15. He, Z., G.S. Toor, C.W. Honeycutt, & J.T. Sims. 2006. An enzymatic hydrolysis approach for characterizing labile phosphorus forms in dairy manure under mild assay conditions. *Bioresource Technology*. 97:1660–1668.
16. Toor, G.S., B.J. Cade-Menun, & J.T. Sims. 2005. Establishing a linkage between phosphorus forms in dairy diets, feces, and manures. *Journal of Environmental Quality*. 34:1380–1391.
17. Toor, G.S., J.D. Peak, & J.T. Sims. 2005. Phosphorus speciation in broiler litter and turkey manure produced from modified diets. *Journal of Environmental Quality*. 34:687–697.
18. Toor, G.S., L.M. Condrón, B.J. Cade-Menun, H.J. Di, & K.C. Cameron. 2005. Preferential phosphorus leaching from an irrigated grassland soil. *European Journal of Soil Science*. 56:155–167.
19. Toor, G.S., J.T. Sims, and Z. Dou. 2005. Reducing phosphorus in dairy diets improves farm nutrient balances and decreases the risk of nonpoint pollution of surface and ground waters. *Agriculture Ecosystems & Environment*. 105:401–411.

20. Verma, V.K., L.B. Patel, G.S. Toor, P.K. Sharma, & V. Singh. 2005. Dynamics and spatial distribution of soluble salts in ground waters with special reference to their suitability for irrigation in Faridkot District of Punjab, India. *Ecology, Environment and Conservation*. 11:119–122.
21. Verma, V.K., L.B. Patel, G.S. Toor, & P.K. Sharma. 2005. Spatial distribution of macronutrients in soils of arid tract of Punjab, India. *International Journal of Agriculture and Biology*. 7:285–297.
22. Toor, G.S., L.M. Condrón, H.J. Di, & K.C. Cameron. 2004. Seasonal fluctuations in phosphorus loss by leaching from a free draining grassland soil. *Soil Science Society of America Journal*. 68:1429–1436.
23. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & J.T. Sims. 2004. Assessment of phosphorus leaching losses from a free draining grassland soil. *Nutrient Cycling in Agroecosystems*. 69:169–184.
24. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & J.T. Sims. 2004. Impact of farm dairy effluent application on amounts and forms of phosphorus loss from irrigated grassland. *New Zealand Journal of Agricultural Research (Special Issue on Land Treatment of Farm Effluents)*. 47:479–490.
25. Verma, V.K., P.K. Sharma, V. Singh, L.B. Patel, & G.S. Toor. 2004. Hydrochemical facies of ground waters of Southwestern Punjab, India in relation to their suitability for irrigation. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*. 6:379–381.
26. Thind, H.S., C.L. Arora, & G.S. Toor. 2004. Nutrients return through leaf litter and their relations with poplar growth under different treatments of N, irrigation and inter-cropping. *Indian Journal of Agroforestry*. 62: 41–45.
27. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & B.J. Cade-Menun. 2003. Characterization of organic phosphorus in leachate from a grassland soil. *Soil Biology & Biochemistry*. 35:1317–1323.
28. Verma, V.K. L.B. Patel, P.K. Sharma, G.S. Toor, & V. Singh. 2003. Evaluation, characterization and management of soil - water related constraints for sustainable agriculture: an integrated approach using remote sensing and GIS. *International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences*. 34:280–283.
29. Sinaj, S., C. Stamm, G.S. Toor, L.M. Condrón, T. Hendry, H.J. Di, K.C. Cameron, & E. Frossard. 2002. Phosphorus exchangeability and leaching losses from two grassland soils. *Journal of Environmental Quality*. 31:319–330.
30. Bahl, G.S., & G.S. Toor. 2002. Influence of poultry manure on phosphorus availability and the standard phosphate requirement of crop estimated from quantity–intensity relationships in different soils. *Bioresource Technology*. 85:317–322.
31. Patel, L.B., V.K. Verma, G.S. Toor, & P.K. Sharma. 2001. Ground water quality for irrigation: Its assessment and management in District Mansa, Punjab (India). *Ecology, Environment and Conservation*. 7:315–318.
32. Patel, L.B., V.K. Verma, G.S. Toor, & P.K. Sharma. 2000. Beneficial plant nutrient supply from ground waters of arid tract of Punjab. *Ecology, Environment and Conservation*. 6:105–108.
33. Patel, L.B., V.K. Verma, G.S. Toor, & P.K. Sharma. 2000. Hydrochemistry of ground waters of southern Punjab, India in relation to their suitability for irrigation. *Ecology, Environment and Conservation*. 6:179–183.

34. Verma, V.K., L.B. Patel, P.K. Sharma, G.S. Toor, & C. Singh. 2000. Integrated approach for evaluation, characterisation and management of soil and water related constraints in arid environment of Punjab, India. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*. 2:43–50.
35. Bahl, G.S., & G.S. Toor. 1999. Efficiency of P utilization by sunflower grown on residual P fertility. *Bioresource Technology*. 67:97–100.
36. Toor, G.S., & G.S. Bahl. 1999. Kinetics of phosphate desorption from different soils as influenced by application of poultry manure and fertilizer phosphorus and its uptake by soybean. *Bioresource Technology*. 69:117–121.
37. Toor, G.S. & Bahl, G.S. 1997. Effect of poultry manure addition and phosphorus fertilization on phosphorus adsorption and desorption pattern of soils. *Ecological Agriculture: Towards Sustainable Development*, Center for Research in Rural and Industrial Development, Chandigarh, India, pp.72-98.
38. Toor, G.S., G.S. Bahl, & A.C. Vig. 1997. Pattern of P availability in different soils as assessed by different adsorption equations. *Journal of Indian Society of Soil Science*. 45:719–723.
39. Toor, G.S., & G.S. Bahl. 1997. Effect of solitary and integrated use of poultry manure and fertilizer phosphorus on the dynamics of P availability in different soils. *Bioresource Technology*. 62:25–28.

#### **Refereed Publications– In Preparation (15)**

40. \*Clark, L., G.S. Toor, S. Grunwald, & C.D. Stanley. 200x. Trends of nitrogen, phosphorus, and sediment loading in the Alafia River, Florida. In Prep.
41. \*Lu, H., G.S. Toor, K. Banger, T.Z. Osborne, C.D. Stanley. 200x. Land use effects on phosphorus dynamics in the stream sediments of the Alafia river watershed, Florida. In Prep.
42. Toor, G.S. et al. 200x. Land use effects on the trace metals in the stream sediments of the Alafia River Watershed, Florida. In Prep.
43. Toor, G.S. et al. 200x. Organo-chlorine pesticides in the urban, agricultural, and mixed land use stream sediments of the Alafia River Watershed, Florida. In Prep.
44. Toor, G.S. et al. 200x. Polycyclic Aromatic Hydrocarbons in the urban, agricultural, and mixed land use stream sediments of the Alafia River Watershed, Florida. In Prep.
45. Toor, G.S. et al. 200x. Pharmaceutical and personal care products in the urban stream sediments of the Alafia River Watershed, Florida. In Prep.
46. \*Lu, H. C.D. Stanley, G.S. Toor, & S. Huang. 200x. The Lake Manatee pollution problem: A summary of research on the impact of agricultural land use practices on water quality between 1983 and 2007. In Prep.
47. \*Chahal, M.K. & G.S. Toor. 200x. Leaching of contaminants in a soil amended with tomato packinghouse wastewater. In Prep.
48. \*Chahal, M.K. & G.S. Toor. 200x. Nutrients and trace metals in tomato packinghouse wastewater: source characterization, leaching assessment, and remediation. In Prep.
49. \*Dhaliwal, S.S., G.S. Toor, S. Newman, & T.Z. Osborne. 200x. Trace metals in the sediments of water conservation area–2A of the Everglades, Florida. In Prep.

50. Toor, G.S. 200x. Nutrients, trace metals, bacteria, and pesticides in nursery recycled water. In Prep.
51. He, Z., H. Zhang, G.S. Toor, Z. Dou, C.W. Honeycutt, & B.E. Haggard. 200x. Phosphorus forms in sequentially-extracted fractions of biosolids and broiler litter. Soil Science. Submitted
52. Toor, G.S., & J.T. Sims. 200x. Characterizing and managing the risk of phosphorus leaching in the Inland Bays Watershed soils: I. Background concentrations and effect of superphosphate addition. In Prep.
53. Toor, G.S., & J.T. Sims. 200x. Characterizing and managing the risk of phosphorus leaching in the Inland Bays Watershed soils: II. Effect of application of dairy manures and broiler litters produced from modified diets. In Prep.
54. Toor, G.S., & B.E. Haggard. 200x. Effect of application of poultry litters and granulates: nitrogen, phosphorus, and trace elements in runoff waters. In Prep.

**Non-Refereed Publications – (7; 4 since 2007 UF employment)**

Electronic Data Information Source (EDIS) Publications–Peer Reviewed (3)

55. Martinez, C., M.W. Clark, G.S. Toor, & G.J. Hochmuth. 2009. Accounting for nutrients in reclaimed water. University of Florida – IFAS, Gainesville, FL.
56. Toor, G.S., & A.L. Shober. 2008. Soils and fertilizers for Master Gardeners: Soil organic matter and organic amendments. SL273/MG454. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG454>.
57. Shober, A.L., & G.S. Toor. 2008. Soils and fertilizers for Master Gardeners: Urban soils and their management issues. SL276/MG456. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG456>.
58. Sartain, J.B., L.T. Trenholm, E.F. Gilman, T.A. Obreza, & G.S. Toor. 2008. Frequently asked questions about landscape fertilization for Florida-friendly landscaping ordinances. ENH1115/WQ143. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/WQ143>.

Other Extension/Teaching Publications–Peer reviewed (3)

59. Toor, G.S., R.O. Maguire, & J.T. Sims, J.T. 2004. Grazing Management. In *Phosphorus Best Management Practices*, Southern Extension Research Activity–Information Exchange Group. [http://www.sera17.ext.vt.edu/Documents/BMP\\_grazing\\_management.pdf](http://www.sera17.ext.vt.edu/Documents/BMP_grazing_management.pdf)
60. Hyde, J.E., & G.S. Toor. 2004. Where in the world is hydra electron? Lesson plan for K-8 grades. <http://ag.udel.edu/iseq/lessonplans.htm>.
61. Verma, V.K., P.K. Sharma, L.B. Patel, D.C. Loshali, & G.S. Toor. 2000. Natural resource management for sustainable development using remote sensing technology - a case study. National Natural Resources Management System, 24, 41-46.

**Published Abstracts – (Total: 53; 15 since 2007 UF employment)**

62. Toor, G.S. 2009. Nutrients, trace metals, polycyclic aromatic hydrocarbons, and pesticides in urban streams of the Tampa Bay Watershed, Florida. In *Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
63. Toor, G.S. 2009. Nutrients, trace metals, bacteria, and pesticides in nursery recycled water. In *Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.

64. \*Chahal, M.K. & G.S. Toor. 2009. Leaching of contaminants in a soil amended with tomato packinghouse wastewater. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
65. \*Chahal, M.K. & G.S. Toor. 2009. Nutrients and trace metals in tomato packinghouse wastewater: source characterization, leaching assessment, and remediation. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
66. \*Dhaliwal, S.S., G.S. Toor, S. Newman, & T.Z. Osborne. 2009. Trace metals in the sediments of water conservation area-2A of the Everglades, Florida. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
67. \*Han, L., C.D. Stanley, G.S. Toor, S. Huang. 2009. Changing land use and trends of water quality for Lake Manatee, Florida. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
68. Toor, G.S. 2008. Managing nutrients in the environment for improved soil and water quality. *In 13<sup>th</sup> World Water Congress Abstracts*, International Water Resources Association, Montpellier, France.
69. Toor, G.S., K. Banger, T. Chirenje, L. Ma, & B. Bradley. 2008. Polycyclic aromatic hydrocarbons in urban soils of Miami, Florida. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
70. Toor, G.S., M.K. Chahal, M.S. Josan, & B.M. Santos. 2008. Developing solutions to manage waste (culls, wastewater) on tomato packinghouses. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
71. \*Clark, L. J. Hong, G.S. Toor, S. Grunwald, & C.D. Stanley. 2008. Relating landuse changes with water quality parameters in the Alafia river watershed, Florida. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
72. Bandaru, V., B. Kamble, & G.S. Toor. 2008. Rapid analysis of soil erosion with vegetation changes in Western Ghat Hills, Maharashtra, India. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
73. He, Z., C.W. Honeycutt, G.S. Toor, B.E. Haggard, H. Zhang, & Z. Dou. 2008. Assessing lability of phosphorus forms in biosolids by sequential fractionation and phosphatase hydrolysis. *In Northeastern Branch Abstracts*. ASA-CSSA-SSSA, Madison, WI. pp. 45.
74. Toor, G.S., & B.E. Haggard. 2007. Phosphorus species in runoff waters from soil amended with granulated poultry litter. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
75. Toor, G.S., & B.E. Haggard. 2007. Nitrogen species in runoff waters from soil amended with granulated poultry litter. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
76. Toor, G.S., & B.E. Haggard. 2007. Trace metals in runoff waters from soil amended with granulated poultry litter. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
77. Toor, G.S., & B.E. Haggard. 2006. Phosphorus dynamics in soil amended with raw, ground, heated, and granulated poultry litters. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
78. Toor, G.S., B.E. Haggard, & A.M. Donoghue. 2006. Does poultry litter granulation affect trace elements in litters and litter-amended soils. *In National Poultry Waste Management Symposium Abstracts*, Springdale, AR.

79. Toor, G.S., J.T. Sims, & B.E. Haggard. 2006. Phosphorus leaching in soils: Effect of soil type, soil phosphorus saturation, and animal manures generated from modified diets. *In* 18<sup>th</sup> World Congress of Soil Science Abstracts, Philadelphia, PA.
80. Toor, G.S., J.D. Peak, B.J. Cade-Menun, J.T. Sims, & B.E. Haggard. 2006. Identification and quantification of organic and inorganic forms of phosphorus in animal manures generated by dietary modification. *In* 18<sup>th</sup> World Congress of Soil Science Abstracts, Philadelphia, PA.
81. Toor, G.S., & B.E. Haggard. 2006. Extractability of trace elements in raw, heated, and granulated poultry litters. *In* 18<sup>th</sup> World Congress of Soil Science Abstracts, Philadelphia, PA.
82. Haggard, B.E., & G.S. Toor. 2006. Water extractable elements in raw, heated and granulated poultry litters. *In* Proceedings of USDA–CSREES National Water Conference, San Antonio, TX.
83. Haggard, B.E., G.S. Toor, M.S. Reiter, T.C. Daniel, & A.M. Donoghue. 2006. Does poultry litter granulation affect water extractable phosphorus in litters and litter-amended soils. *In* National Poultry Waste Management Symposium Abstracts, Springdale, AR.
84. Toor, G.S., & J.T. Sims. 2005. Characterizing and managing the risk of phosphorus leaching in the Inland Bays Watershed soils: background concentrations and effect of superphosphate addition. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
85. Toor, G.S., & J.T. Sims. 2005. Characterizing and managing the risk of phosphorus leaching in the Inland Bays Watershed soils: effect of dairy and poultry manure application. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
86. He. Z., B.J. Cade-Menun, G.S. Toor, C.W. Honeycutt, & J.T. Sims. 2005. Comparison of P forms in animal manure identified by enzymatic hydrolysis and solution P-31 NMR. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
87. Sullivan, D., P. Kleinman, A. Wolf, R. Brandt, Z. Dou, H. Elliott, J. Kovar, A. Leytem, R. Maguire, P. Moore, A.N. Sharpley, A. Shober, J.T. Sims, G.S. Toor, H. Zhang, & T. Zhang. 2005. Standardizing the water-soluble phosphorus test for manures and biosolids. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
88. Harmel, R.D., B.E. Haggard, G.S. Toor, G. Schmidt, & K.W. King. 2005. Comparison of estimation procedures for water quality constituent loads from small watersheds. *In* American Society of Agricultural Engineers Abstracts, Tampa, FL.
89. Toor, G.S., J.D. Peak, B.J. Cade-Menun, & J.T. Sims. 2004. Understanding phosphorus forms in dairy and poultry manures using advanced spectroscopic techniques. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
90. Toor, G.S., & J.T. Sims. 2004. Leaching losses of phosphorus from three benchmark soils of Inland Bays Watershed. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
91. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & J.T. Sims. 2004. Leaching losses of phosphorus from an irrigated grassland soil. *In* SERA-17 Meeting Abstracts, New Bern, NC.
92. Toor, G.S., J.T. Sims, & B.J. Cade-Menun. 2004. Establishing a linkage between phosphorus forms in dairy diets, feces and manures. *In* North Eastern American Society of Agronomy Annual Meeting Abstracts, Bordentown, NJ.

93. Sims, J.T., G.S. Toor, A.L. Shober, J. Gilbert, L.S. Boyer, & J.E. Hyde. 2004. Phosphorus saturated agricultural soils: the struggle for management and remediation options. *In Eurosol Abstracts*. European Society of Soil Science, Freiburg, Germany.
94. He, Z., G.S. Toor, C.W. Honeycutt, & J.T. Sims. 2004. Characterization of labile P forms in fresh dairy manure under mild assay conditions. *In 4<sup>th</sup> International Phosphorus Workshop Abstracts*, Wageningen, The Netherlands.
95. Peak, D., G.S. Toor, & J.T. Sims. 2004. Direct speciation of phosphate in animal manures using P K-Edge XANES spectroscopy. *In 87<sup>th</sup> Canadian Chemistry Conference and Exhibition Abstracts*, London, Ontario, Canada.
96. Toor, G.S., S. Hunger, J.D. Peak, J.T. Sims, & D.L. Sparks. 2003. Advances in the characterization of phosphorus in organic wastes. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
97. Toor, G.S., J.T. Sims, & Z. Dou. 2003. Phosphorus dynamics in soils amended with dairy manures produced from modified diets. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
98. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & J.T. Sims. 2003. Characterization of organic phosphorus in leachate by nuclear magnetic resonance and phosphatase hydrolysis. *In Organic Phosphorus Conference Abstracts*, Monte Verita, Ascona, Switzerland. pp. 19.
99. Toor, G.S., J.D. Peak, & J.T. Sims. 2003. Characterization of phosphorus in dairy and poultry manures. *In Organic Phosphorus Conference Abstracts*, Monte Verita, Ascona, Switzerland. pp. 20.
100. Sims, J.T., G.S. Toor, R.O. Maguire, J.M. McGrath, & A.L. Shober. 2003. Advances in the management of organic phosphorus sources in the Chesapeake Bay watershed, USA: implications for agriculture and the environment. *In Organic Phosphorus Conference Abstracts*, Monte Verita, Ascona, Switzerland. pp. 52.
101. Peak, D., G.S. Toor, & J.T. Sims. 2003. The relationship between phosphate speciation in soils and biosolids/manure management practices: A P K-edge XANES spectroscopic study. *In Synchrotron Radiation Center 36<sup>th</sup> Users' Meeting Abstracts*, Stoughton, WI.
102. Hyde, J., G. Binford, J.T. Sims, G.S. Toor, & Z. Dou. 2003. Effect of dairy dietary phosphorus concentrations on forms and solubility of phosphorus in manures and manure-amended soils. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
103. Baum, K., G. Pierzynski, P. Kleinman, R.O. Maguire, J.T. Sims, G.S. Toor, & T. Zhang. 2003. Water-extractable P in animal waste. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
104. Toor, G.S., L.M. Condrón, K.C. Cameron, H.J. Di, & J.T. Sims. 2002. Phosphorus loss by leaching from a grassland soil following repeated additions of farm dairy effluent. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
105. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, J.T. Sims, & T. Hendry. 2002. Seasonal fluctuations in phosphorus loss by leaching from a grassland soil. *In Agronomy Abstracts*. ASA-CSSA-SSSA, Madison, WI.
106. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & T. Hendry. 2001. Incidental phosphorus loss from a grassland soil following application of dairy shed effluent. *In 3<sup>rd</sup> International Phosphorus Workshop Abstracts*, Institute of Grassland and Environmental Research, Plymouth, UK. pp. 21.

107. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & T. Hendry. 2001. Chemical nature of phosphorus in leachate from a grassland soil. *In* 3<sup>rd</sup> International Phosphorus Workshop Abstracts, Institute of Grassland and Environmental Research, Plymouth, UK. pp. 60.
108. Sinaj, S., C. Stamm, G.S. Toor, L.M. Condrón, & E. Frossard. 2001. Phosphate retention under ponded irrigation in two grassland soils exhibiting preferential flow. *In* European Geophysical Society XXVI General Assembly Abstracts, Nice, France.
109. Toor, G.S., L.M. Condrón, T. Hendry, H.J. Di, K.C. Cameron, R.D. McLenaghan, & M.D. Craighead. 2000. Effects of phosphorus inputs on amounts and forms of phosphorus leached from irrigated pasture. *In* Proceedings Australian and New Zealand Second Joint Soils Conference (eds. J.A. Adams & A.K. Metherell). Lincoln University, Canterbury, New Zealand Volume 3, pp. 209-210.
110. Condrón, L.M., G.S. Toor, H.J. Di, K.C. Cameron, T. Hendry, R.D. McLenaghan, & M.D. Craighead. 2000. Phosphorus loss from soil under irrigated dairy pasture: assessment and management. *In* Proceedings 26<sup>th</sup> Technical Conference of New Zealand Fertilizer Manufacturer's Research Association. Lincoln University, Canterbury, New Zealand.
111. Toor, G.S., & Bahl, G.S. 1997. Effect of poultry manure addition and phosphorus fertilization on phosphorus adsorption and desorption pattern of soils. *In* International Conference on Ecological Agriculture: Towards Sustainable Development. Center for Research in Rural and Industrial Development, Chandigarh, India, pp.126.
112. Thind, H.S., G.S. Toor, & R. Kumar. 1997. Wheat growth and soil properties as influenced by different rates of leaf litter of six agroforestry tree species. *In* National Seminar on Developments in Soil Science Abstracts, Calcutta, India, pp. 288.
113. Bahl, G.S. & G.S. Toor. 1997. Phosphate solubility relationship as influenced by fertilizer phosphorus and poultry manure application in different soils. *In* Proceedings Third Agricultural Science Congress. Punjab Agricultural University, Ludhiana, India, Volume 2, pp. 152.
114. Verma, V.K., P.K. Sharma, L.B. Patel, D.C. Loshali, & G.S. Toor. 1999. Natural resource management for sustainable development using remote sensing technology- a case study. *In* Map India Conference Abstracts, New Delhi, India.

**LECTURES, SPEECHES OR POSTERS PRESENTED AT PROFESSIONAL CONFERENCES/MEETINGS** – (total 61; 23 since 2007 UF employment)

***International*** – (Total: 45)

Invited Presentations

115. Toor, G.S. 2008. Are we running out of water on the blue planet? Punjab Agricultural University, Ludhiana, India. October 22, 2008. (Invited by the Vice-Chancellor).

Session Moderator

116. Toor, G.S. 2008. S11 Soil and Environmental Quality: Nutrients and Soil Structure GSA-ASA-CSSA-SSSA Joint International Annual Meetings, Houston, TX.

Contributed Presentations

117. Toor, G.S. 2009. Nutrients, trace metals, polycyclic aromatic hydrocarbons, and pesticides in urban streams of the Tampa Bay Watershed, Florida. 2009 ASA-CSSA-SSSA International Annual

Meetings, November 1–5, Pittsburg, PA.

118. Toor, G.S. 2009. Nutrients, trace metals, bacteria, and pesticides in nursery recycled water. 2009 ASA-CSSA-SSSA International Annual Meetings, November 1–5, Pittsburg, PA.
119. \*Chahal, M.K. & G.S. Toor. 2009. Leaching of contaminants in a soil amended with tomato packinghouse wastewater. 2009 ASA-CSSA-SSSA International Annual Meetings, November 1–5, Pittsburg, PA.
120. \*Chahal, M.K. & G.S. Toor. 2009. Nutrients and trace metals in tomato packinghouse wastewater: source characterization, leaching assessment, and remediation. *In* Agronomy Abstracts. ASA-CSSA-SSSA, Madison, WI.
121. \*Dhaliwal, S.S., G.S. Toor, S. Newman, & T.Z. Osborne, 2009. Trace metals in the sediments of water conservation area–2A of the Everglades, Florida. 2009 ASA-CSSA-SSSA International Annual Meetings, November 1–5, Pittsburg, PA.
122. \*Han, L., C.D. Stanley, G.S. Toor, S. Huang. 2009. Changing land use and trends of water quality for Lake Manatee, Florida. 2009 ASA-CSSA-SSSA International Annual Meetings, November 1–5, Pittsburg, PA.
123. Toor, G.S. 2008. Managing nutrients in the environment for improved soil and water quality. 13<sup>th</sup> World Water Congress, Montpellier, France.
124. Toor, G.S., K. Banger, T. Chirenje, L. Ma, & B. Bradley. 2008. Polycyclic aromatic hydrocarbons in urban soils of Miami, Florida. 2008 GSA-ASA-CSSA-SSSA Joint International Annual Meetings, October 5-9, Houston, TX.
125. Toor, G.S., M.K. Chahal, M.S. Josan, & B.M. Santos. 2008. Developing solutions to manage waste (culls, wastewater) on tomato packinghouses. 2008 GSA-ASA-CSSA-SSSA Joint International Annual Meetings, October 5-9, Houston, TX.
126. \*Clark, L. J. Hong, G.S. Toor, S. Grunwald, & C.D. Stanley. 2008. Relating landuse changes with water quality parameters in the Alafia river watershed, Florida. 2008 GSA-ASA-CSSA-SSSA Joint International Annual Meetings, October 5-9, Houston, TX.
127. Bandaru, V., B. Kamble, & G.S. Toor. 2008. Rapid analysis of soil erosion with vegetation changes in Western Ghat Hills, Maharashtra, India. 2008 GSA-ASA-CSSA-SSSA Joint International Annual Meetings, October 5-9, Houston, TX.
128. He, Z., C.W. Honeycutt, G.S. Toor, B.E. Haggard, H. Zhang, & Z. Dou. 2008. Assessing lability of phosphorus forms in biosolids by sequential fractionation and phosphatase hydrolysis. Canadian Society of Agronomy–American Society of Agronomy Northeastern Branch Annual Meetings, July 13-16, Montreal, Québec, Canada.
129. Toor, G.S., & B.E. Haggard. 2007. Phosphorus Species in Runoff Waters from Soil Amended with Granulated Poultry Litter. 2007 ASA-CSSA-SSSA International Annual Meetings, November 4-8, New Orleans, LA.
130. Toor, G.S., & B.E. Haggard. 2007. Nitrogen Species in Runoff Waters from Soil Amended with Granulated Poultry Litter. 2007 ASA-CSSA-SSSA International Annual Meetings, November 4-8, New Orleans, LA.
131. Toor, G.S., & B.E. Haggard. 2007. Trace Metals in Runoff Waters from Soil Amended with

Granulated Poultry Litter. 2007 ASA-CSSA-SSSA International Annual Meetings, November 4-8, New Orleans, LA.

132. Toor, G.S., & B.E. Haggard. 2006. Phosphorus dynamics in soil amended with raw, ground, heated, and granulated poultry litters. 2006 ASA-CSSA-SSSA International Annual Meetings, November 12-16, Indianapolis, IN.
133. Toor, G.S., J.T. Sims, & B.E. Haggard. 2006. Phosphorus leaching in soils: Effect of soil type, soil phosphorus saturation, and animal manures generated from modified diets. 18<sup>th</sup> World Congress of Soil Science, July 9-15, Philadelphia, PA.
134. Toor, G.S., J.D. Peak, B.J. Cade-Menun, J.T. Sims, & B.E. Haggard. 2006. Identification and quantification of organic and inorganic forms of phosphorus in animal manures generated by dietary modification. 18<sup>th</sup> World Congress of Soil Science, July 9-15, Philadelphia, PA.
135. Toor, G.S., & B.E. Haggard. 2006. Extractability of trace elements in raw, heated, and granulated poultry litters. 18<sup>th</sup> World Congress of Soil Science, July 9-15, Philadelphia, PA.
136. Toor, G.S., & J.T. Sims. 2005. Characterizing and managing the risk of phosphorus leaching in the Inland Bays Watershed soils: background concentrations and effect of superphosphate addition. 2005 ASA-CSSA-SSSA International Annual Meetings, November 6-10, Salt Lake City, UT.
137. Toor, G.S., & J.T. Sims. 2005. Characterizing and managing the risk of phosphorus leaching in the Inland Bays Watershed soils: effect of dairy and poultry manure application. 2005 ASA-CSSA-SSSA International Annual Meetings, November 6-10, Salt Lake City, UT.
138. He, Z., B.J. Cade-Menun, G.S. Toor, C.W. Honeycutt, & J.T. Sims. 2005. Comparison of P Forms in Animal Manure Identified by Enzymatic Hydrolysis and Solution P-31 NMR. 2005 ASA-CSSA-SSSA International Annual Meetings, November 6-10, Salt Lake City, UT.
139. Sullivan, D., P. Kleinman, A. Wolf, R. Brandt, Z. Dou, H. Elliott, J. Kovar, A. Leytem, R. Maguire, P. Moore, A.N. Sharpley, A. Shober, J.T. Sims, G.S. Toor, H. Zhang, & T. Zhang. 2005. Standardizing the Water-Soluble Phosphorus Test for Manures and Biosolids. 2005 ASA-CSSA-SSSA International Annual Meetings, November 6-10, Salt Lake City, UT.
140. Toor, G.S., J.D. Peak, B.J. Cade-Menun, & J.T. Sims. 2004. Understanding phosphorus forms in dairy and poultry manures using advanced spectroscopic techniques. 2004 CSSS-ASA-CSSA-SSSA International Annual Meetings, October 31–November 4, Seattle, WA.
141. Toor, G.S., & J.T. Sims. 2004. Leaching losses of phosphorus from three benchmark soils of Inland Bays Watershed. 2004 CSSS-ASA-CSSA-SSSA International Annual Meetings, October 31–November 4, Seattle, WA.
142. Sims, J.T., G.S. Toor, A.L. Shober, J. Gilbert, L.S. Boyer, & J.E. Hyde. 2004. Phosphorus saturated agricultural soils: the struggle for management and remediation options. Eurosol, September 4-12, Freiburg, Germany.
143. He, Z., G.S. Toor, C.W. Honeycutt, & J.T. Sims. 2004. Characterization of labile P forms in fresh dairy manure under mild assay conditions. Fourth International Phosphorus Workshop. August 16-19, Wageningen International Conference Centre, Wageningen, The Netherlands.
144. Peak, D., G.S. Toor, & J.T. Sims. Direct speciation of phosphate in animal manures using P K-Edge XANES spectroscopy. 2004. 87<sup>th</sup> Canadian Chemistry Conference and Exhibition. May 29-June 1, London Convention Centre and Hilton Hotel, London, Ontario, Canada.

145. Toor, G.S., S. Hunger, J.D. Peak, J.T. Sims, & D.L. Sparks. 2003. Advances in the characterization of phosphorus in organic wastes. 2003 ASA-CSSA-SSSA International Annual Meetings, November 2-6, Denver, CO.
146. Toor, G.S., J.T. Sims, & Z. Dou. 2003. Phosphorus dynamics in soils amended with dairy manures produced from modified diets. 2003 ASA-CSSA-SSSA International Annual Meetings, November 2-6, Denver, CO.
147. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & J.T. Sims. 2003. Characterization of organic phosphorus in leachate by nuclear magnetic resonance and phosphatase hydrolysis. Organic P Conference, July 13-18, Monte Verita, Ascona, Switzerland.
148. Toor, G.S., J.D. Peak, & J.T. Sims. 2003. Characterization of phosphorus in dairy and poultry manures. Organic P Conference, July 13-18, Monte Verita, Ascona, Switzerland.
149. Sims, J.T., G.S. Toor, R.O. Maguire, J.M. McGrath, & A.L. Shober. 2003. Advances in the management of organic phosphorus sources in the Chesapeake Bay watershed, USA: implications for agriculture and the environment. Organic Phosphorus Conference, July 13-18, Monte Verita, Ascona, Switzerland.
150. Hyde, J., G. Binford, J.T. Sims, G.S. Toor, & Z. Dou. 2003. Effect of dairy dietary phosphorus concentrations on forms and solubility of phosphorus in manures and manure-amended soils. 2003 ASA-CSSA-SSSA International Annual Meetings, November 2-6, Denver, CO.
151. Baum, K., G. Pierzynski, P. Kleinman, R.O. Maguire, J.T. Sims, G.S. Toor, & T. Zhang. 2003. Water-extractable P in animal waste. 2003 ASA-CSSA-SSSA International Annual Meetings, November 2-6, Denver, CO.
152. Toor, G.S., L.M. Condrón, K.C. Cameron, H.J. Di, & J.T. Sims. 2002. Phosphorus loss by leaching from a grassland soil following repeated additions of farm dairy effluent. 2002 ASA-CSSA-SSSA International Annual Meetings, November 10-14, Indianapolis, IN.
153. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, J.T. Sims, & T. Hendry. 2002. Seasonal fluctuations in phosphorus loss by leaching from a grassland soil. 2002 ASA-CSSA-SSSA International Annual Meetings, November 10-14, Indianapolis, IN.
154. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & T. Hendry. 2001. Incidental phosphorus loss from a grassland soil following application of dairy shed effluent. Third International Phosphorus Transfer Workshop, August 28-September 1, Institute of Grassland and Environmental Research, Plymouth, UK.
155. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & T. Hendry. 2001. Chemical nature of phosphorus in leachate from a grassland soil. Third International Phosphorus Transfer Workshop, August 28-September 1, Institute of Grassland and Environmental Research, Plymouth, UK.
156. Sinaj, S., C. Stamm, G.S. Toor, L.M. Condrón, & E. Frossard. 2001. Phosphate retention under ponded irrigation in two grassland soils exhibiting preferential flow. European Geophysical Society XXVI General Assembly, 26-29 March, Nice, France.
157. Toor, G.S., L.M. Condrón, T. Hendry, H.J. Di, K.C. Cameron, R.D. McLenaghan, & M.D. Craighead. 2000. Effects of phosphorus inputs on amounts and forms of phosphorus leached from irrigated pasture. Australian and New Zealand Second Joint Soils Conference, December 3-8, Lincoln University, Canterbury, New Zealand.

158. Condrón, L.M., G.S. Toor, H.J. Di, K.C. Cameron, T. Hendry, R.D. McLenaghan, & M.D. Craighead. 2000. Phosphorus loss from soil under irrigated dairy pasture: assessment and management. 26<sup>th</sup> Technical Conference of New Zealand Fertilizer Manufacturer's Research Association, Lincoln University, Canterbury, New Zealand.
159. Toor, G.S., & Bahl, G.S. 1997. Effect of poultry manure addition and phosphorus fertilization on phosphorus adsorption and desorption pattern of soils. International Conference on Ecological Agriculture: Towards Sustainable Development, 15-17 November, Center for Research in Rural and Industrial Development, Chandigarh, India.

***National – (5)***

Contributed Presentations

160. \*Waria, M., G.S. Toor, & G.A. O'Connor. 2009. Environmental behavior of biosolids-borne triclosan (TCS). Micropol and Ecohazard 2009. San Francisco, CA, June 8-10.
161. Toor, G.S., B.E. Haggard, & A.M. Donoghue. 2006. Does poultry litter granulation affect trace elements in litters and litter-amended soils. National Poultry Waste Management Symposium, October 23-25, Springdale, AR.
162. Haggard, B.E. & G.S. Toor. 2006. Water extractable elements in raw, heated and granulated poultry litters. USDA-CSREES National Water Conference, February 5-9, San Antonio Marriott River Center, San Antonio, TX.
163. Haggard, B.E., G.S. Toor, M.S. Reiter, T.C. Daniel, & A.M. Donoghue. 2006. Does poultry litter granulation affect water extractable phosphorus in litters and litter-amended soils. National Poultry Waste Management Symposium, October 23-25, Springdale, AR.
164. Harmel, R.D., B.E. Haggard, G.S. Toor, G. Schmidt, & K.W. King. 2005. Comparison of estimation procedures for water quality constituent loads from small watersheds. American Society of Agricultural Engineers Annual Meeting. July 17-20, Tampa, FL.

***Regional – (7)***

Contributed Presentations

165. \*Waria, M., G.A. O'Connor, & G.S. Toor. 2009. Biodegradation of biosolids-borne antimicrobial triclosan (TCS). 10th Annual Soil and Water Science Research Forum, University of Florida. Sept. 11.
166. Toor, G.S., J.T. Sims, & B.J. Cade-Menun. 2004. Establishing a linkage between phosphorus forms in dairy diets, feces and manures. North Eastern ASA-CSSA-SSSA Annual Meeting, July 10-14, Bordentown, NJ.
167. Toor, G.S., L.M. Condrón, H.J. Di, K.C. Cameron, & J.T. Sims. 2004. Leaching losses of phosphorus from an irrigated grassland soil. SERA-17 Annual Meeting, July 19-22, New Bern, NC.
168. Peak, D., G.S. Toor, & J.T. Sims. 2003. The relationship between phosphate speciation in soils and biosolids/manure management practices: a P K-edge XANES spectroscopic study. Synchrotron Radiation Center 36<sup>th</sup> Users' meeting, October 25, University of Wisconsin, Stoughton, WI.

169. Verma, V.K., P.K. Sharma, L.B. Patel, D.C. Loshali, & G.S. Toor. 1999. Natural resource management for sustainable development using remote sensing technology—a case study. Map India conference, 24-26 August, New Delhi, India.
170. Thind, H.S., Toor, G.S., & Rajesh- Kumar. 1997. Wheat growth and soil properties as influenced by different rates of leaf litter of six agroforestry tree species. National Seminar on Developments in Soil Science, Calcutta, India.
171. Bahl, G.S., & G.S. Toor. 1997. Phosphate solubility relationship as influenced by fertilizer phosphorus and poultry manure application in different soils. Proceedings Third Agricultural Science Congress, Punjab Agricultural University, Ludhiana, India.

***Local – (4)***

Invited Presentations

172. Toor, G.S. 2008. Soil organic matter and organic amendments. Master Gardeners Training. Gulf Coast REC, Wimauma, FL.
173. Toor, G.S. 2008. Exploring the links between soil and water quality. Linking Forest to the Bay Workshop. Gulf Coast REC, Wimauma, FL.
174. Toor, G.S. 2008. Emerging contaminants in the environment. SWSD Annual Forum, Gainesville, FL.
175. Toor, G.S. 2008. Exploring the links between urbanization and water quality in the Alafia river watershed. Environmental Protection Commission of Hillsborough County, Tampa, FL.