



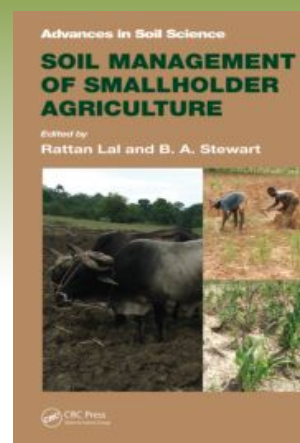
2014 C-MASC PUBLICATIONS LIST

New Books

Lal, R, Singh, BR, Mwaseba, DL, Karybill, D, Hansen, D, Eik, LO. 2014. Sustainable Intensification To Advance Food Security And Enhance Climate Resilience In Africa. Springer, Cham, Switzerland. 665pp.



Lal, R. and Stewart, B.A. 2014. Soil Management of Smallholder Agriculture: Advances In Soil Science Vol. VI. Taylor and Francis, Boca Raton, FL. 406pp.



Books Edited

1. Lal, R, Singh, BR, Mwaseba, DL, Karybill, D, Hansen, D, Eik, LO. 2014. Sustainable Intensification To Advance Food Security And Enhance Climate Resilience In Africa. Springer, Cham, Switzerland. 665pp.
2. Lal, R. and Stewart, B.A. 2014. Soil Management of Smallholder Agriculture: Advances In Soil Science. Taylor and Francis, Boca Raton, FL. 406pp.

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3. Jacinthe, Pierre-Andre; Dick, Warren, A.; Lal, Rattan; et al. "Effects of no-till duration on the methane oxidation capacity of Alfisols." *Biology And Fertility Of Soils*. 50(3): 477-486.
4. Sá, J.C.M.; Tivet, F.; Lal, R.; Briedis, C.; Hartman, D.C.; Zuffo, J.; Santos, J.B. 2014. Long-term tillage systems impacts on soil C dynamics, soil resilience and agronomic productivity of a Brazilian Oxisol. *Soil & Tillage Res.*, 136: 38-50.
5. de Sousa Neto, E.L., I. Andrioli, R.G. de Almeida, M.C.M. Macedo and R. Lal. 2014. Physical quality of an Oxisol under integrated crop-livestock-forest system in the Brazilian cerrado. *R. Bras. Ci. Solo*, 38:608-618.
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9. Bonin, C. and Lal, R. 2014. Aboveground productivity and soil carbon storage of biofuel crops in Ohio. *GCB Bioenergy*. 6, 67-75. DOI: 10.1111/gcbb.12041.
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11. Stavi, I., Lal, R. 2014. Achieving Zero Net Land Degradation: challenges and opportunities. *Journal of Arid Environments* Ref: JAE13-389R1 DOI: 10.1016/j.jaridenv.2014.01.016
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14. Kong, X., R. Lal, B. Li, H. Liu, K. Li, G. Feng, Q. Zhang, B. Zhans. 2014. Fertilizer intensification and its impacts in China's HHH Plains. *Adv. Agron.* 125:135-169.
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19. Mukherjee, A., Lal, R., and Zimmerman, A. 2014. Impacts of biochar and other amendments on soil-carbon and nitrogen stability: A laboratory column study. *Soil Science Society of America*. doi:10.2136/sssaj2014.01.0025
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37. Gelaw AM, Lal R, Singh B R. 2014. Carbon footprint and sustainability of smallholder agricultural production systems in Ethiopia. *Journal of Crop Improvement*, DOI:10.1080/15427528.2014.938283
38. Das, Anup, R. Lal, D. P. Patel, R.G. Idapuguganti, J Layek, S.V. Ngachan, P. K. Ghosh, J. Bordoloi and M. Kumar. 2014. Effects of tillage and biomass on soil quality and productivity in lowland rice cultivation by small scale farmers in North Eastern India. *Soil and Tillage Research*. 143: 50-58. DOI: 10.1016/j.still.2014.05.012
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45. de Freitas Seben Jr., G., J.E. Corá, R. Lal. 2014. Effect of cropping systems in no-till farming on the quality of a Brazilian Oxisol. *Revista Brasileira de Ciência do Solo*, 38(4): 1268-1280.
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58. Klaus Lorenz, K., Lal, R. 2014. Soil organic carbon sequestration in agroforestry systems: A review. *Agron. Sustain. Dev.* 34:443–454.
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Invited Keynote Presentations

74. Lal, R. 2014. Principles to Practices of Sustainable Soil Management. Global Principles of Sustainable Soil Management, U.N. Headquarters, New York, 28 January 2014.
75. Lal, R. 2014. Improving soil quality and adapting to climate change by sustainable soil management. Monty's 2014 Farm Forum, Louisville, KY, 11 February 2014.
76. Lal, R. Soil Resilience and Climate Change. SSSA Ecosystem Services Conference, Sacramento, CA. 6-7 March 2014
77. Lal, R. Climate Strategic Agriculture. Indian Institute of Soil Science, Bopal, India. 10-13 March 2014.
78. Lal, R. 2014. Soil Carbon Sequestration and Climate Change Mitigation. Istanbul Carbon Summit, 3-5 April 2014, Istanbul, Turkey.
79. Lal, R. The Soil-Peace Nexus: Our Common Future. 20th World Congress Soil Science, 8-13 June 2014. Jeju, Korea.
80. Lal, R. The Role of Soil Scientists in Addressing Global Issues of Anthropocene and Climate Strategic Agroecosystems. 20th World Congress Soil Science, 8-13 June 2014. Jeju, Korea.
81. Lal, R. 2014. Carbon Resiliency Role. CS-CAP National Conference, Ames IA. 4-7, August 2014.
82. Lal, R. 2014. Sustainable Intensification. CS-CAP Annual Meeting, Ames, Iowa, 5-7 August 2014.
83. Stout, W., Kuby, M., Lal, R. Carbon Capture and Sequestration – Role of Agriculture and Soils. 18th CIGR World Congress, Beijing, China. 16-19 September 2014.
84. Lal, R. 2014. Innovative technologies for soil carbon sequestration to advance food security and mitigate climate change. 12th Meeting of the FACCE-JPI, SAB, Kingsway Hall Hotel, 9-10 September 2014, London, UK.
85. Lal, R. 2014. Achieving Global Peace and Environment Quality Through Sustainable Intensification. Rotary International, Ski, Norway, 16 September 2014
86. Lal, R. 2014. Soil and Global Peace. Norwegian University of Life Sciences, As, Norway, 18 September 2014



Invited Keynote Presentations (continued)

87. Lal, R. 2014. Tenets of Soil Quality Management in South Asia. International Conference on Forests, Soil and Rural Livelihoods in a Changing Climate. Kathmandu, Nepal, 27-30 Sept. 2014
88. Lal, R. 2014. Climate Resilience in Agriculture. VII International Environmental Congress, CEID, CORP, Columbus, 20 October, 2014
89. Lal, R. 2014. Soils and Ecosystem Services. Conference: Role of Agriculture in Providing Ecosystem and Societal Services, Moldova, 24-25 November 2014
90. Lal, R. 2014. Pedospheric Processes and Climate Change. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.

Voluntary Contributions

91. Süha Berberoğlu, Erhan Akça, Mehmet Ali Çullu, Gönül Aydın, Rattan Lal, Somayyeh Razzaghi Miavaghi, Merve Ersoy, Ahmet Çilek, Hasan Özcan, Yusuf Kurucu, Levent Atatanır, Alper Yorulmaz, Sabit Erşahin, Mustafa Sarı, Selim Kapur. 2014. Carbon Response Units Approach in Land Management Planning: The Göksu River Basin Case. Istanbul Carbon Summit: Carbon Management, Technologies & Trade, Istanbul, Turkey 3-5 April 2014.
92. İbrahim Ortaş, Çağdaş Akpınar, Gülistan Özer, Rattan Lal, Selim Kapur. 2014. Carbon Sequestration and Mycorrhizae in Turkish Soils. Istanbul Carbon Summit: Carbon Management, Technologies & Trade, Istanbul, Turkey 3-5 April 2014.
93. Gönül Aydın, Rattan Lal, Selim Kapur, Mehmet Ali Çullu, Süha Berberoğlu, Erhan Akça, Merve Ersoy, Somayyeh Razzaghi Miavaghi, Ahmet Çilek, Yusuf Kurucu, Levent Atatanır, Alper Yorulmaz, Sabit Erşahin, Hasan Özcan, Mustafa Sarı. 2014. Stocks in Soils of Turkey. Istanbul Carbon Summit: Carbon Management, Technologies & Trade, Istanbul, Turkey 3-5 April 2014.
94. Pandi Zdruli, Rattan Lal, Micheal Cherlet, Selim Kapur. 2014. The New World Atlas of Desertification and Issues of Carbon Sequestration, Organic Carbon Stocks, Nutrient Depletion and Implications to Food Security. Istanbul Carbon Summit: Carbon Management, Technologies & Trade, Istanbul, Turkey, 3-5 April 2014.
95. Zdruli, P., Lal, R., Cerda, A., Batlle-Sales, J., Burghardt, W., Cherlet, M. 2014. The New World Atlas of Desertification: Soil is slipping away... We can stop it! 20th World Congress Soil Science, 8-13 June 2014. Jeju, Korea.
96. Srinivasarao, Ch., Lal, R., Venkateswarlu, Bolan, N. 2014. Improving Soil Productivity in Dryland Agroecosystems of India by Using Organic Amendments. 20th World Congress Soil Science, 8-13 June 2014. Jeju, Korea.
97. Gelaw, A.M., Singh, B.R., Lal, R. 2014. Soil Organic Carbon and Total Nitrogen Stocks Under Different Land Uses in Tigray, Northern Ethiopia. 20th World Congress Soil Science, 8-13 June 2014. Jeju, Korea.
98. Kadono, A., Kumar, S., Nakajima, T., Lal, R. 2014. Modeling of Carbon Dioxide Emission from Cornfield Soils under Different Water Table and Tillage Management in Central Ohio, USA. 20th World Congress Soil Science, 8-13 June 2014. Jeju, Korea.
99. Bordonal, R.O., Aguiar, D.A., De Figueiredo, E.B., Perillo, L.I., Admani, M., Lal, R., Rudorff, B.F.T., Scala, N. 2014. Greenhouse gas assessment of sugarcane-based Ethanol considering direct land use change and its cultivation in Brazil. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
100. Ussiri, D., Guzman, J.G., Lal, R. 2014. A Method for Quantifying Recent Soil Organic and Geogenic Carbon in Reclaimed Minesoils Planted with Miscanthus and Corn for Biofuel Production. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
101. Guzman, J.G., Lal, R., Ussiri, D. 2014. Carbon Dynamics Under Bioenergy Crop Production from Minesoils in Eastern Ohio. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
102. Briedis, C., Sa, J.C.M., Lal, R., Schimiguel, R., Bressan, P.T., Hartman, D.C., Ferreira, A. 2014. Biomass-C Transport into Soil Carbon Pools in Brazilian Oxisols: A Long Term Incubation Study. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
103. Obade, V., Lal, R. 2014. A Standardized Soil Quality Index for diverse Field Conditions. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
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105. Gautam, S., Kumar, S., Mbonimpa, E.C., Bonta, J., Lal, R., Kjaersgaard, J.H., Papiernik, S.K., Williams, J.R. 2014. Simulating Runoff from Small Grazed Pasture Watersheds Located at North Appalachian Experimental Watershed. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
106. Nakajima, T., Lal, R. 2014. Assessment of Soil Quality Index of Crosby Silt Loam in Central Ohio. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.



Voluntary Contributions (continued)

107. Lorenz, K., Lal, R. 2014. Carbon Sequestration in Urban Soils for Enhancing the Resilience of Urban Ecosystems to Climate Change. 2014 Annual Meeting. ASA, CSSA, SSSA, Long Beach, California. 2-6 November 2014.
108. Zdruli, P., Lal, R., Cerda, A., Batlle-Sales, J., Burghardt, W., and Cherlet, M. 2014. The New World Atlas of Desertification: Soil is slipping away.....We can stop it! World Congress of Soil Science, 8-13 June 2014.

Miscellaneous

109. Gelaw, A., B.R. Singh and R. Lal. 2014. Soil organic carbon and total nitrogen stocks under different land uses in Tigray, northern Ethiopia. 20th World Congress of Soil Science, 8-13 June 2014. Jeju, Korea.
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