LIST OF PUBLICATIONS OF PROF. R. LAL
1967-2016

R. Lal
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2016

Books Edited

Referred Journal Articles

Publications: 127


**Chapters in Multi-Authored Books**


Voluntary Contributions

Invited Keynote Presentations

100. Lal, R. 2016. Solutions Under Foot: Can Soil Save Us from Ourselves. School of Earth Science, Ohio State University, 25 February 2016, Columbus.


104. Lal, R. 2016. Environment and Agriculture. Federal University of Mato Grosso (UFMT), Cuiaba, Brazil 9-13 May 2016


106. Lal, R. 2016. The Ohio State University. Federal University of Mato Grosso (UFMT), Cuiaba, Brazil 9-13 May 2016


108. Lal, R. 2016. Soil Health and Sustainability. GIFS Conference, Saskatoon, Canada, 14-16 June


110. Lal, R. 2016. Soil C for Climate Change, Food Security and SDGs of the U.N. Brussels, Belgium


Miscellaneous


126. Lal, R. 2016. Soils and Climate change: is the solution to CO2 under our feet? Farm Journal


128. Lal, R. 2016. Soil health and carbon sequestration. The California Environmental Health Initiative
Publications in 2015: 123

a) Books Written

b) Books Edited


c) Referred Journal Articles

8. Bordonal, R., R. Lal. 2015 Greenhouse gas balance from cultivation and direct land use change of recently established sugarcane (Saccharum officinarum)plantation in south-central Brazil. Renewable and Sustainable Energy Reviews. 52: 547-556


d) Chapters in Multi-Authored Books


c) Invited Keynote Presentations

100. Lal, R. 2015. Global Issues and IUSS. International Conference on Climate Change and Multi-dimensional Sustainability in African Agriculture, Morogoro, Tanzania, 3-5 June, 2015


f) Voluntary Contributions


g) Miscellaneous
2014

Publications in 2014: 111

a) Books Edited

b) Referred Journal Articles


35. Liu, R. & Lal, R. 2014. Synthetic apatite nanoparticles as a phosphorus fertilizer for soybean (Glycine max). Scientific Reports. 4:5686. DOI: 10.1038/srep05686.


c) Chapters in Multi-Authored Books


d) Invited Keynote Presentations


84. Lal, R. Climate Strategic Agriculture. Indian Institute of Soil Science, Bhopal, India. 10-13 March 2014.

85. Lal, R. Soil Resilience and Climate Change. SSSA Ecosystem Services Conference, Sacramento, CA, 6-7 March 2014

86. 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.


89. 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.

e) Voluntary Contributions


f) Voluntary Contributions

g) Miscellaneous


2013

a) Books Written


b) Books Edited


c) Referred Journal Articles


27. Liang, Long; Lal,Rattan; Du,Zhangliu; Weniang Wua, Fanqiao Menga. 2013. Estimation of nitrous oxide and methane emission from livestock of urban agriculture in Beijing. Agriculture Ecosystems & Environment. 170, 28-35


29. Liu, Ruqiang; Lal, Rattan "A Laboratory Study on Amending Mine Soil Quality" WATER AIR AND SOIL POLLUTION (2013) 224(9): 1679 -


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations
83. Lal, R. 2013. “Climate Strategic Agriculture”. Gamma Sigma Delta Annual Awards Ceremony, The Ohio State University, Columbus OH, 12 April 2013.
94. Lal, R. 2013. “Sustainable Intensification To Address Climate Change and Advance Food Security In Africa” Sustainable Intensification To Address Climate Change and Advance Food Security In Africa. SAU, Morogo, Tanzania. 12-16 November 2013.

f) Voluntary Contributions

104. Vincent Obade and Rattan Lal. A One Step Simplified Indicator for Rating Soil Quality. USDA CSCAP Annual Meeting, July 29th to August 1st, 2013 Location: Purdue University, West Lafayette, USA.

g) Miscellaneous
Publications in 2012: 99

a) Books Written

b) Books Edited


c) Referred Journal Articles

18. Koch, Andrea; McBratney, Alex; Adams, Mark; Field, Damien; Hill, Robert; Lal, Rattan; Abbott, Lynette; Angers, Denis; Baldock, Jeffrey; Barbier, Edward; Binkley, Dan; Bird, Michael; Bouma, Johan; Chenu, Claire; Crawford, John; Butler Flora, Cornelia; Goulding, Keith; Gunwald, Sabine; Hempel, Jon; Jastrow, Julie; Lehmann, Johannes; Lorenz, Klaus; Minasny, Budiman; Morgan, Cristine; O'Donnell, Anthony; Parton, William; Rice, Charles; Wall, Diana; Whitehead, David; Young, Iain; Zimmermann, Michael. 2012. Soil Security: Solving the Global Soil Crisis. Global Policy.

d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


74. Lal, R. 2012. Healing the Climate and Feeding the World. Nationwide Insurance, 4 April 2012, Columbus, OH.


f) Voluntary Contributions


g) Miscellaneous


2011

Publications in 2011: 76

a) Books Written

b) Books Edited


c) Referred Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


f) Voluntary Contributions


g) Miscellaneous
2010

Publications in 2010: 73

a) Books Written


b) Books Edited


c) Referred Journal Articles

33

d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


47. Lal, R. 2010. Carbon sequestration in agricultural systems as a strategy to mitigate climate change. INIFAP meeting, Campeche, Mexico, 21-22 November 2010.

f) Voluntary Contributions

68. Selhorst, A. 2010. Carbon sequestration in golf course turfgrass systems. Carbon Dynamics in Urban Ecosystems Conference, Columbus, OH.

g) Miscellaneous

Publications in 2009: 89

a) Books Written

b) Books Edited


c) Referred Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations

63. Lal, R. 2009. Adapting to climate change through soil management. 4-9 July. CIMMYT, Astana, Kazakhstan.
64. Lal, R. 2009. Carbon sequestration in world soils. 3-6 June. IFPRI/UNFCC, Bonn, Germany.
74. Lal, R. 2009. Opportunities and challenges in sequestering atmospheric CO2 through restoring of desertified lands. 4 September. COMLAND Conference, 6-9 September 2009, Magdeburg, Germany.


f) Voluntary Contributions

g) Miscellaneous


Publications in 2008: 79

a) Books Written


b) Books Edited

c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


f) Voluntary Contributions

71. Shrestha, R.K., R. Lal, and P.A. Jacinthe. 2008. Enhancing carbon and nitrogen sequestration of reclaimed mine soils in Ohio by using organic amendments and deep ripping. SSSA/ASA/CSSA annual meeting. 5-9 October, Houston, TX.

g) Miscellaneous Publications

Publications in 2007: 87

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


f) Voluntary Contributions


g) Miscellaneous

(http://www.eoearth.org/article/offsetting_carbon_dioxide_emissions_through_minesoil_reclamation)
2006

Publications in 2006: 82

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


f) Voluntary Contributions

2005

Publications in 2005: 60

a) Books Written

b) Books Edited


c) Refereed Journal Articles


**d) Chapters in Multi-Authored Books**


**e) Invited Keynote Presentations**


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

2004

Total Publications in 2004: 64

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) *Chapters in Multi-Authored Books*


e) *Invited Keynote Presentations*


g) Miscellaneous


2003

Total Publications in 2003: 35

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers
33. Lal, R. 2003. Global Climate Change and Soil Carbon Dynamics. EMBRAPA (Brazilia), CENA (Univ. of Sao Paulo), 18-22 August, Brazil.

f) Voluntary Contributions

2002

Total Publications in 2002: 49

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


**g) Miscellaneous**

2001

Total Publications in 2001: 52

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Speakers


46. Lal, R. 2001. Sustainable management of natural resources in India for food security and environment quality. 88th Session of the India Science Congress, 3-7 January 2001, IARI, New Delhi, India.

f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous


Total Publications in 2000: 72

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentation

47. Lal, R. 2000. Controlling greenhouse gases and feeding the world through soil management. Distinguished University Lecture, 17 February 2000, OSU, Columbus, OH.

f) Contributory Papers in National and International Symposia


g) Miscellaneous

1999

Total Publications in 1999: 50

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia

g) Miscellaneous

**1998**

Total Publications in 1998: 73

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**a) Books Written**

**b) Books Edited**


**c) Refereed Journal Articles**


**d) Chapters in Multi-Authored Books**


e) Invited Keynote Papers

57. Lal, R. 1998. Soil erosion and greenhouse effect. Workshop on Climate Change and the Mississippi River Region, Climate Institute, 10 June 1998, St. Louis, MO.

f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

1997

Total Publications in 1997: 36

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Presentations


f) Voluntary Contributions

g) Miscellaneous


Total Publications in 1996: 24

7. Lal, R. 1996. Deforestation and land-use effects on soil degradation and rehabilitation in western Nigeria. II. Soil chemical properties. Land Degradation and Development 7:87-98


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

1995

Total Publications in 1995: 339

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous
1994

Total Publications in 1994: 32

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Contribution to Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia

Total Publications in 1993: 30

1993

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous


Total Publications in 1992: 18

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

1991

Total Publications in 1991: 42

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

Total Publications in 1990: 31

1990

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous


1989

Total Publications in 1989: 31

a) Books Written

b) Books Edited

c) Referred Journal Articles


d) Chapters in Multi-Authored Books

e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous
1988

Total Publications in 1988: 34

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

1987

Total Publications in 1987: 28

**a) Books Written**


**b) Books Edited**


**c) Refereed Journal Articles**


**d) Chapters in Multi-authored Books**


**e) Invited Keynote Papers**


f) Voluntary Contributions

g) Miscellaneous

Movies and Video Film for Classroom Teaching Produced by the United Nations University, Tokyo, Japan (1987-88)

25. Soil erosion (30 minutes)
26. Earthworms (20 minutes)
27. Termites (20 minutes)
28. Tropical deforestation (30 minutes)
1986

Total Publications in 1986: 32

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Voluntary Contributions

g) Miscellaneous
Total Publications in 1985: 23

1985

a) Books Written


b) Books Edited

c) Refereed journal Articles


d) Chapters in Multi-Authored Books

e) Invited Keynote Papers


Total Publications in 1984: 28

a) Books Written

b) Books Edited

c) Referred Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


\textit{f) Contributory Conference Papers in National and International Symposia}


\textit{g) Miscellaneous}
1983

Total Publications in: 21

a) Books Written


b) Books Edited

c) Refereed Journal Articles


d) Chapters in Multi-Authored Books

e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous
Total Publications in 1982: 17

1982

a) Books Written

b) Books Edited

c) Referred Journal Articles


d) Chapters in Multi-Authored Books

e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous
Total Publications in 1981: 17

a) Books Written


b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Voluntary Contributions

g) Miscellaneous
Total Publications in 1980: 25

1980

a) Books Written

b) Books Edited

c) Referred Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia

g) Miscellaneous
1979

Total Publications in 1979: 26

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

111

1978

Total Publications in 1978: 14

a) Books Written

b) Books Edited

c) Referred Journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous
1977

Total Publications in 1977: 12

a) Books Written

b) Books Edited


c) Refereed Journal Articles


d) Chapters in Multi-Authored Books


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous
1976

Total Publications in 1976: 15

a) Books Written


b) Books Edited

c) Refereed journal Articles


d) Chapters in Multi-Authored Books


e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia

Total Publications in 1975: 7

1975

a) Books Written


b) Books Edited

c) Refereed Journal Articles


d) Invited Keynote Papers


e) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

1974

Total Publications in 1974: 10

a) Books Written

b) Books Edited

c) Refereed Journal Articles


d) Chapters in Multi-Authored Books

e) Invited Keynote Papers


f) Contributory Conference Papers in National and International Symposia


g) Miscellaneous

1973

Refereed Journal Articles

Total Publications in 1973: 1


1972

Refereed Journal Articles

Total Publications in 1972: 1


1971

Refereed Journal Articles

Total Publications in 1971: 2

1970

**Total Publications in 1970: 4**

**Refereed Journal Articles**


1969

**Total Publications in 1969: 1**

**Refereed Journal Articles**


1967

**Total Publications in 1967: 1**

**Refereed Journal Articles**