

BOOK CHAPTERS

- Adhikari T and Kundu S (2019). Impact of nano particles on soil microbial ecology. In “Bibhuti Bhusan Mishra and Suraja Kumar Nayak” edited Book “Frontiers in Soil and Environmental Microbiology”. Taylor & Francis Group, LLC, a State of Delaware limited liability company, CRC press.
- Adhikari Tapan, Dubey Garima, Kundu S and Patra AK (2018). Impact of Copper Oxide Nanoparticles on Growth of Different Bacterial Species. Singh VP et al. (eds.), Energy and Environment, Water Science and Technology Library 80, https://doi.org/10.1007/978-981-10-5798-4_5 47. Springer Nature Singapore Pvt. Ltd.
- Arti Mathur, Sanjeev Kumar Mathur, Rakesh Mehta, Singh A B and A Subba Rao (2018). Characterization of Biological Parameters in Different Compost Products made from Water hyacinth. Published in: Abstracts/ Proceedings of International Conference on Science and Environmental Sustainability for a Peaceful Society held during January, 19-21, 2019, Organized by Janparishad, Bhopal, pp, 127-132.
- Asha Sahu, S Bhattacharjya, A Mandal, JK Thakur, N Sahu, N Atoliya, Nisha Sahu, MC Manna, AK Patra (2018) Microbes: a sustainable approach for enhancing nutrient availability in agricultural soils. In: Role of Rhizospheric Microbes in Soil. Meena V.S. (Ed) Springer publication. pp. 47-75. https://doi.org/10.1007/978-981-13-0044-8_2
- Bagavathi Ammal. U., Coumaravel, K., Sankar, R. and Dey, P. (2019). Fertilizer recommendation for Bhendi crop grown in Bahour soil series. Pandit Jawaharlal Nehru College of Agriculture & Research Institute (PJNCARI), Puducherry, 8p.
- Bagavathi Ammal. U., Coumaravel, K., Sankar, R. and Dey, P. (2019). Fertilizer recommendation for Rice crop grown in Sanyasikuppam soil series. Pandit Jawaharlal Nehru College of Agriculture & Research Institute (PJNCARI), Puducherry, 8p.
- Bagavathi Ammal. U., Sankar, R., Coumaravel, K., Omar Hattab, K, Kanthaswamy, V. and Dey, P. (2019). Soil health and yield target based fertilizer recommendations. Pandit Jawaharlal Nehru College of Agriculture & Research Institute (PJNCARI), Puducherry.
- Beena, V.I. and Dey, Padip (2018). Sunichitha Vilavu Kakkiri Krishikku-Mannu parisodhanayum vilayude prathikaranavum adisthanamakkiyulla valaprayogum. Published by Kerala Agricultural University, Thrissur.
- Beena, V.I. and Dey, Padip (2018). Sunichitha Vilavu Nelkrishikku-Mannu parisodhanayum vilayude prathikaranavum adisthanamakkiyulla valaprayogum. Published by Kerala Agricultural University, Thrissur.
- Beena, V.I. and Dey, Padip (2018). Sunichitha Vilavu Nilakkadala Krishikku-Mannu parisodhanayum vilayude prathikaranavum adisthanamakkiyulla valaprayogum. Published by Kerala Agricultural University, Thrissur.
- Dey P. 2018. Enabling pest management by balanced crop nutrition and good crop health. In: Handbook of Integrated Pest Management (Chattopadhyay, C.; Tanwar, R.K.; Sehgal, M.; Birah, A.; Bhagat, S.; Ahmad, N.; Mehta, N. eds). Indian Council of Agricultural Research, pp. 63-74.
- Dey P. 2018. Soil Fertility Maps as an aid to Fertilizer recommendations to farmers: Concept and Methodology. In: Manual of DST sponsored Training Programme on Integrated Nutrient Management and Nutrient Budgeting through advanced models to improve crop productivity (Raja, P., Rajan, K., Hombegowda, H.C. and Kannan, K. eds.) at ICAR-Indian Institute of Soil and Water Conservation, Regional Centre, Udthagamandalam (Ooty), The Nilgiris, Tamil Nadu, pp. 67-78.
- Dey P. 2018. Soil Test Crop Response (STCR) and Decision Support Systems (DSS) for Realizing Sustainable Agri-horticultural Productivity and Maintaining Soil Health. In: Manual of DST sponsored Training Programme on Integrated Nutrient Management and Nutrient Budgeting through advanced models to improve crop productivity (Raja, P., Rajan, K., Hombegowda, H.C. and Kannan, K. eds.) at ICAR-Indian Institute of Soil and Water Conservation, Regional Centre, Udthagamandalam (Ooty), The Nilgiris, Tamil Nadu, pp. 52-66.

- Dey P. 2018. Wastewater: A wealth in the face of water scarcity due to climate change. In: Climate resilient agriculture Adoption and mitigation strategies (Manish Bhan, V.S. Tomar, K.K. Agrawal, S.S. Tomar and S.D. Upadhyay eds.), New India Publishing Agency, New Delhi, pp. 259-271 (ISBN: 978-93-87973-07-7)
- Dey P., Verma S.K., Ramesh K., Somasundaram J., Vassanda Coumar M. (2018). Soil, Landscape and Nutrient Management of Ravine Areas for Enhancing Crop Productivity and Livelihood Security. In: Dagar J., Singh A. (eds) Ravine Lands: Greening for Livelihood and Environmental Security. Springer, pp. 161-181. (ISBN 978-981-10-8042-5)
- Dotaniya ML and Meena VD (2019). Use of wastewater for sustainable agriculture. In: Meena RS (eds) Sustainable Agriculture. Scientific Publishers (India), pp 71-87. ISBN: 9789388043625.
- Dotaniya ML, Rajendiran S, Dotaniya CK, Solanki P, Meena VD, Saha JK and Patra AK (2018). Microbial assisted phytoremediation for heavy metal contaminated soils. In: Kumar V, Kumar M, Prasad R (eds.) Phytobiont and Ecosystem Restitution. Springer, Singapore. https://doi.org/10.1007/978-981-13-1187-1_16.
- Jha P, Lakaria BL and Biswas AK (2017). Soil Organic Carbon and Nitrogen Dynamics: A key to soil health. In Advances in nutrient dynamics in soil-plant system for improving nutrient use efficiency (Eds., Elanchezhian R, Biswas AK, Ramesh K and Patra AK), Published by NIPA, New Delhi, 404 pages.
- Jha Pramod (2018). DNDC model initiation for calibration and validation for soil organic carbon in Agroforestry opportunities for enhancing resilience to climate change in rainfed areas, CRIDA, Hyderabad (Eds G Rajeshwar Rao, Prabhakar M, Venkatesh G, Srinivas I and Reddy K Sammi). ISBN: 978-93-80883-42-7.
- Kollah B, Patra AK, Mohanty SR (2018). Advances in Soil Microbiology: Recent Trends and Future Prospects, 129-143 Microbial Cycling of Greenhouse Gases and Their Impact on Climate Change.
- Manna, M.C. (2018) Composting technology and strategies for integration in IPNS. In SAARC Training manual on Integrated Nutrient Management for Improving Soil health and Crop Productivity (Eds. Dey, P.; S. Srivastava, N. K. Lenka; K. C. Shinogi, A. K. Vishwkarma and A.K. Patra). ICAR-IISS, Bhopal, pp.65-70.
- Meena VD (2018). Phytoremediation of sewage contaminated soils. In: Ajay, Ramanna S, Elanchezhian R (eds.) Physiological approaches to phytoremediation: Advances, impact and prospects. E-Book, Agricultural Education Division, ICAR, New Delhi.
- Meena VD, Dotaniya ML, Saha JK, Meena BP, Das H, Beena and Patra AK (2018). Sustainable C and N management under metal contaminated soils. In: Datta R (eds.), Carbon and Nitrogen Cycling in Soil © Springer Nature Singapore Pte Ltd. Pp ISBN 978-981-13-7263-6. <https://doi.org/10.1007/978-981-13-7264-3>.
- Mishra, A., Saren, Subhashis and Dey, Padip (2019). Soils of Mayurbhanj district and improvement of vegetable productivity in tribal villages through adoption of STCR technology. STCR Extension Bulletin No-10, OUAT, Bhubaneswar.
- Shukla AK, Kulasekaran R, Nagdev R and Srivastava S (2018). Heavy metal toxicities in soils and their remediation. In P.S. Minhas et al. (eds.), Abiotic Stress Management for Resilient Agriculture, Springer Nature Singapore Pte Ltd. 153. DOI 10.1007/978-981-10-5744-1_7.
- Shukla, AK, Behera SK and Chaudhari SK (2018). Zinc and iron for soil, plant, animal and human health. In Patel, KP, Ramani VP, Rathod PH, Kumar D, Patel KC and Patel BK (eds.) Special Publication on Research and Developments in Soil Science. pp. 147-163. Anand Agricultural University, Anand, Gujarat, India. ISBN: 978-93-5346-075-4.
- Singh A B, B L. Lakaria, J K Thakur, B P Meena, S Ramana, P S Rajput, M C Manna and A K Patra (2018). Technologies and Strategies for Organic Farming in Madhya Pradesh. Published in: Abstracts/ Proceedings of International Conference on Science and Environmental Sustainability for a Peaceful Society held during January, 19-21, 2019, Organized by Janparishad, Bhopal, pp, 85-95.
- Singh A B, J K Thakur and M C Manna (2019). Nutrient Management Strategies under Organic Production System. Published in: Proceedings of International Symposium on Edible Alliums: Challenges and Opportunities held during February, 09-12, 2019 at YASHADA, Pune, pp 93-102.

Singh, A. B. and M.C Manna (2018) Solid Waste Management Through Vermi-and Phosphate-Enriched Composting Techniques for Sustainable Agriculture, Water Quality Management, Springer, Singapore.pp. 399-406.

Somasundaram J, Parandiyal AK, Jha Pramod, Lakaria Brij Lal, Singh RK, Mina BL, Kala S, and Ali Shakir (2018). Ravines: prospective zone for carbon sequestration in ravine lands: greening for livelihood and environmental security. Springer Publication, pp 433-443.

TECHNICAL BULLETINS

Chaudhari SK, Patra AK, Biswas DR, Hati KM, Jha Pramod, Coumar MV (2018). Soil and Nutrient Management Innovations for Doubling Farmers' Income. Bulletin of Indian Society of Soil Science NO 32, Pp 1-22.

Saha JK, Elanchezhian R, Somasundaram J, Mohanty SR (2018). ICAR-IISS- A Profile, Published by ICAR-IISS Bhopal, pp 60.