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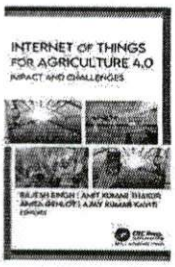

Internet of Things for Agriculture 4.0

Impact and Challenges

Edited By Rajesh Singh, Amit Kumar Thakur, Anita Gehlot, Ajay Kumar Kaviti

Edition	1st Edition
First Published	2022
eBook Published	24 February 2022
Pub. Location	New York
Imprint	Apple Academic Press
DOI	https://doi.org/10.1201/9781003161097 (https://doi.org/10.1201/9781003161097)
Pages	296
eBook ISBN	9781003161097
Subjects	Bioscience, Computer Science, Environment & Agriculture

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ABSTRACT

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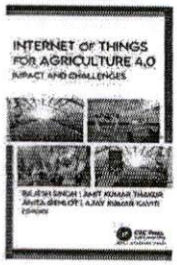

IoT-Based Smart Irrigation Systems for Smart Agriculture

By P.S. Ranjit, B. Vidheya Raju, G.S. Mahesh, M. Sreenivasa Reddy

Book Internet of Things for Agriculture 4.0 (https://www.taylorfrancis.com/books/mono/10.1201/9781003161097/internet-things-agriculture-4-0?refId=8519a5df-07b7-45d3-ad4b-967da4ee4157&context=ubx)

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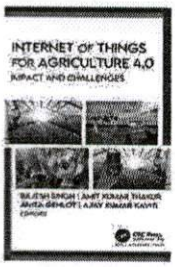

Applications of IoT in Agriculture

By P. S. Ranjit, G.S. Mahesh, M. Sreenivasa

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Edition	1st Edition
First Published	2022
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Pages	18
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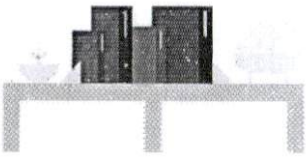

Education Trends in a Post-Pandemic Future in the Fields of Engineering, Science, Arts, Humanities, Commerce, Economics, Social Sciences, Law and Management - Challenges and Opportunities

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ISBN:	9789391772246, 9391772242	Page count:	376
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A GENERAL PERSPECTIVE OF EFFECTIVE TEACHING FOR INNOVATIVE THINKING

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PGT English, Telangana Minorities Residential JR College, Karimnagar, Telangana.

Abstract

Globalization has become a reality to fulfill the aspirations of learners and a large number of students now prefer higher studies and careers abroad. The outcome of globalization is education. Globalization has paved the way for drastic changes in education. Education is one of the key factors reining the world today. A few centuries back,

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Application of Clean Fuels in Combustion Engines pp 195–213

Hydrogen in Spark Ignition Engines

P. V. Elumalai, N. S. Senthur, M. Parthasarathy, S. K. Das, Olusegun D. Samuel, M. Sreenivasa Reddy, A. Saravana, S. Anjanidevi, Adduri SSM Sitaramamurty, M. Anusha & Selçuk Sarıkoç

Chapter | First Online: 04 January 2022

274 Accesses | **2** Citations

Part of the Energy, Environment, and Sustainability book series (ENENSU)

Abstract

In the present world, there is a huge demand for spark ignition (SI) engines in transportation sector as there is an increase in population of light commercial vehicles such as motorcycles and cars. Petrol powered SI engine produces less noise and vibration with high thermal efficiency as compared with diesel engines. Utilization of hydrogen as fuel in SI engines has found to improve the combustion and performance characteristics of engines. The primary fuel petrol and secondary fuel hydrogen are induced in the inlet manifold. The various percentage of hydrogen used in the SI engines

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Yu X, Du Y, Sun P, Liu L, Wu H, Zuo X (2017) Effects of hydrogen direct injection strategy on characteristics of lean-burn hydrogen–petrol engines. Fuel 208:602–611. https://doi.org/10.1016/j.fuel.2017.07.059

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About this chapter

Cite this chapter

Elumalai, P.V. *et al.* (2022). Hydrogen in Spark Ignition Engines. In: Di Blasio, G., Agarwal, A.K., Belgiorno, G., Shukla, P.C. (eds) Application of Clean Fuels in Combustion Engines. Energy, Environment, and Sustainability. Springer, Singapore. https://doi.org/10.1007/978-981-16-8751-8_10

.RIS .ENW .BIB

DOI

https://doi.org/10.1007/978-981-16-8751-8_10

Published	Publisher Name	Print ISBN
04 January 2022	Springer, Singapore	978-981-16-8750-1

Online ISBN	eBook Packages
	Engineering

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Advances in Sustainable Materials and Resilient Infrastructure pp 185–200

Review on Biopolymer Stabilization—A Natural Alternative for Erosion Control

S. Anandha Kumar, G. Kannan, M. Vishweswaran & Evangelin Ramani Sujatha

Chapter | First Online: 13 March 2022

149 Accesses

Part of the Springer Transactions in Civil and Environmental Engineering book series (STICEE)

Abstract

Soil erosion by agents like wind and water is a serious environmental concern that has a damaging effect on agricultural activity, surface water quality, construction activities and human health. The soil parameters that influence erosion susceptibility are particle size, moisture content, density, clay content and permeability. Some common techniques to combat erosion are vegetating the slopes, mulch application, surface roughening, provision of physical barriers and stabilizing the soil. The most common stabilizer used to prevent erosion is polymers, particularly synthetic polymers but the

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Cite this chapter

Kumar, S.A., Kannan, G., Vishweswaran, M., Sujatha, E.R. (2022). Review on Biopolymer Stabilization—A Natural Alternative for Erosion Control. In: Reddy, K.R., Pancharathi, R.K., Reddy, N.G., Arukala, S.R. (eds) Advances in Sustainable Materials and Resilient Infrastructure. Springer Transactions in Civil and Environmental Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-9744-9_12

.RIS .ENW .BIB

DOI

https://doi.org/10.1007/978-981-16-9744-9_12

Published	Publisher Name	Print ISBN
13 March 2022	Springer, Singapore	978-981-16-9743-2

Online ISBN	eBook Packages
978-981-16-9744-9	Engineering Engineering (R0)

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