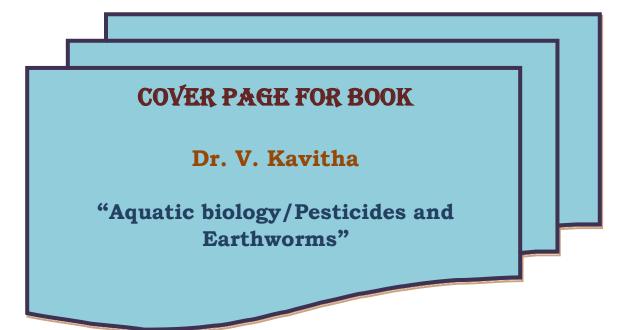


**CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION** 

## **3.4. RESEARCH PUBLICATION AND AWARDS**

3.4.4 Number of Books and Chapters in Edited Volumes Published per Teacher





2022

978-81-

958210

Aquatic

biology/Pestici

des and

Earthworms

V.Kavitha

Institution was same Yes/No

Yes

Discovery

publishing

house, New

Delhi (India)

Aquatic Biology Editors : Dr. V.B. Sakhard ISBN : 978-81-958210- Published by : Discovery	Page 125-135 r Dr. P.R. Surve r Publishing House, New Delhi (India)	5
CHAPTER <b>13</b>	Pesticides and Earthworms V. Kavithe and R. Anandhan	
of the soil invertebrat 2001). Reynolds (199 earthworm species. 3 species) of earthworm India (Julka, 2001). E and maintenance of m and organic wasteinto known as ecological of of earthworms are go nutrients, temperatur the presence of fertil	major terrestrial macrofauna, constitute more than 80% te biomass (Senapati and Dash, 1981; Sorour and Larink 94) reported worldwide occurrence of 3,627 terrestria So far, 402 species (357 native and 45 exotic peregriny ins belonging to 66 genera and 10 families are known from arthworm is an important soil organism in developmen utrient value of soil by converting biodegradable materia on utrient rich vermicast (Jansirani <i>et al.</i> 2012). They are also engineers (Jones <i>et al.</i> 1994). Distribution and abundance overned by several ecological parameters viz. soil status re, moisture, season, adequate dissolved oxygen, pH and lizers and pesticides (Kale and Krishnamoorthy, 1986; Morgan, 1993; Vishwanathan, 1997; Curry, 1998	5, 1 e n t t 1 0 e 5, 1 1 ;
IMPORTANCE OF EART	HWORMS	
Earthworms can com animal waste, industr earthworms enhance soil structure, and cyc of organic waste in th material and is also i Vermicompost increa of soil thus requiring diversity, nutrients, j inhibiting pathogenic and vermicompost to	isume a wide range of unstable organic matter such a rial waste, sewage sludge, etc. The burrowing activity of is decomposition, formation of humus, development of ling of nutrients. The product obtained by the modulation be earthworm gut is quite different from its parent wast known as black gold or vermicast (Lim and Wu 2015) ases the water holding capacity, porosity, and softness g less tillage and irrigation. It is also rich in microbia plant growth regulators (PGRs) and has properties of c microbes (Mosa <i>et al.</i> 2015). Addition of earthworm o soil also maintains an optimum level of soil media in entration, soil porosity and aeration, pH, and electrica	of of e ). s J J f s n
	AND THE REAL PROPERTY OF THE R	



