3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

S.No.	Name Of The Teacher	Title Of The Book/Chapters Published	Title Of The Paper	National / Internatinal	Calendar Year Of Publication	ISBN Number Of The Proceeding	Affiliating Institute At The Time Of Publication	Name Of The Publisher
01.	K.E.V.Nagoji, B. Jyothsna, K. Madhavi	A Textbook Of Pharmceutical Analysis		National	2022	979885914 0862	Department Of Pharmaceutical Analysis, Sri Venkateswara College Of Pharmacy, Etchrela, Srikakulam, Andhra Pradesh	Pragathi publication s
02.	B.Padma Sri, Ch. Taraka Rama Rao, B. Muralikrishna	Physical Pharmaceutics		National	2022	979886217 7275	Department Of Pharmaceutics, Sri Venkateswara College Of Pharmacy, Etchrela, Srikakulam, Andhra Pradesh	Pragathi publication s
03.	P. Bhanujirao, Nimmala Phanisatyavathi, L.Renuka, S.R.T.P. Ramya	A Textbook Of Pharmacy Practice		National	2022	979886217 7381	Department Of Pharmacy Practice, Sri Venkateswara College Of Pharmacy, Etchrela, Srikakulam, Andhra Pradesh	SSR Online publishers

04.	A.V.S .Ksheera Bhavani, R.L.Kalyani	A Textbook For Pharmaceutics		National	2022	97988621 77275	Department Of Pharmaceutics, Sri Venkateswara College Of Pharmacy, Etchrela, Srikakulam, Andhra Pradesh	Pragathi publications
05.	Ch.Taraka Ramarao	Role Of Chemical Sciences In Technology And Development For Sustainability	Chapter. 27-Poly (Lactic –Co-Glycolic Acid) (PLGA) Polymer In Development Of Delivery Drug Formulations In Current Interest In Pharmaceutical Technology	National	2020	978-93-5416-618-1,	Department Of Pharmaceutical Technology, Sri Venkateswara College Of Pharmacy, Etchrela, Srikakulam, Andhra Pradesh	Immortal Publications

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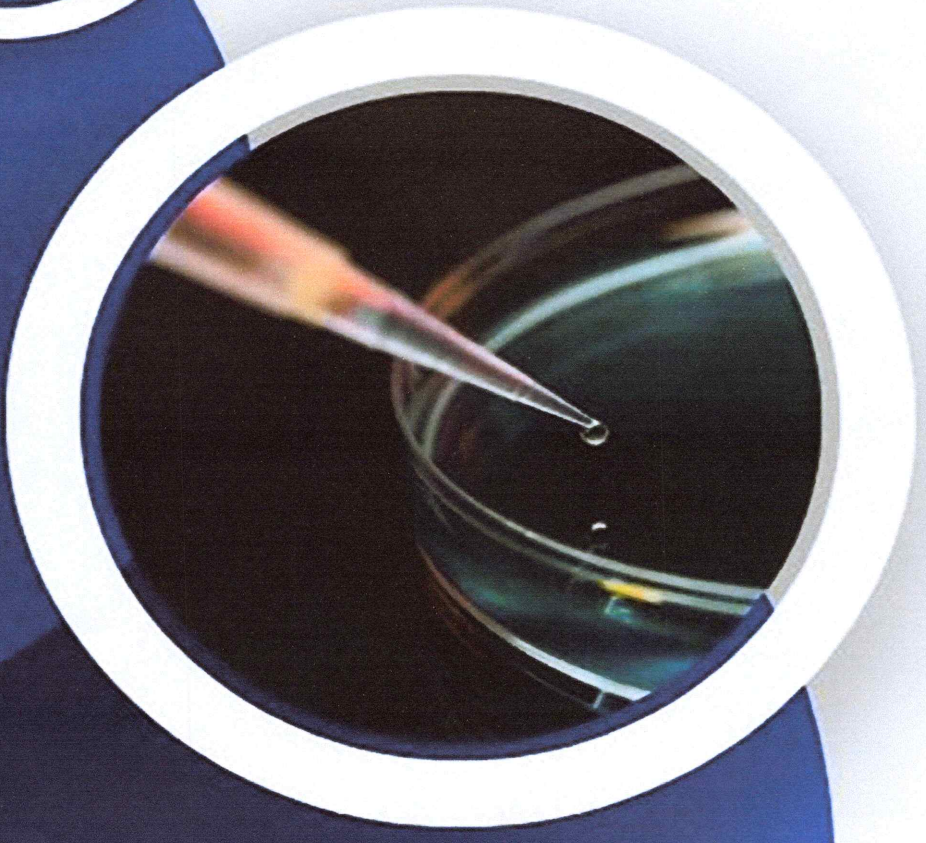

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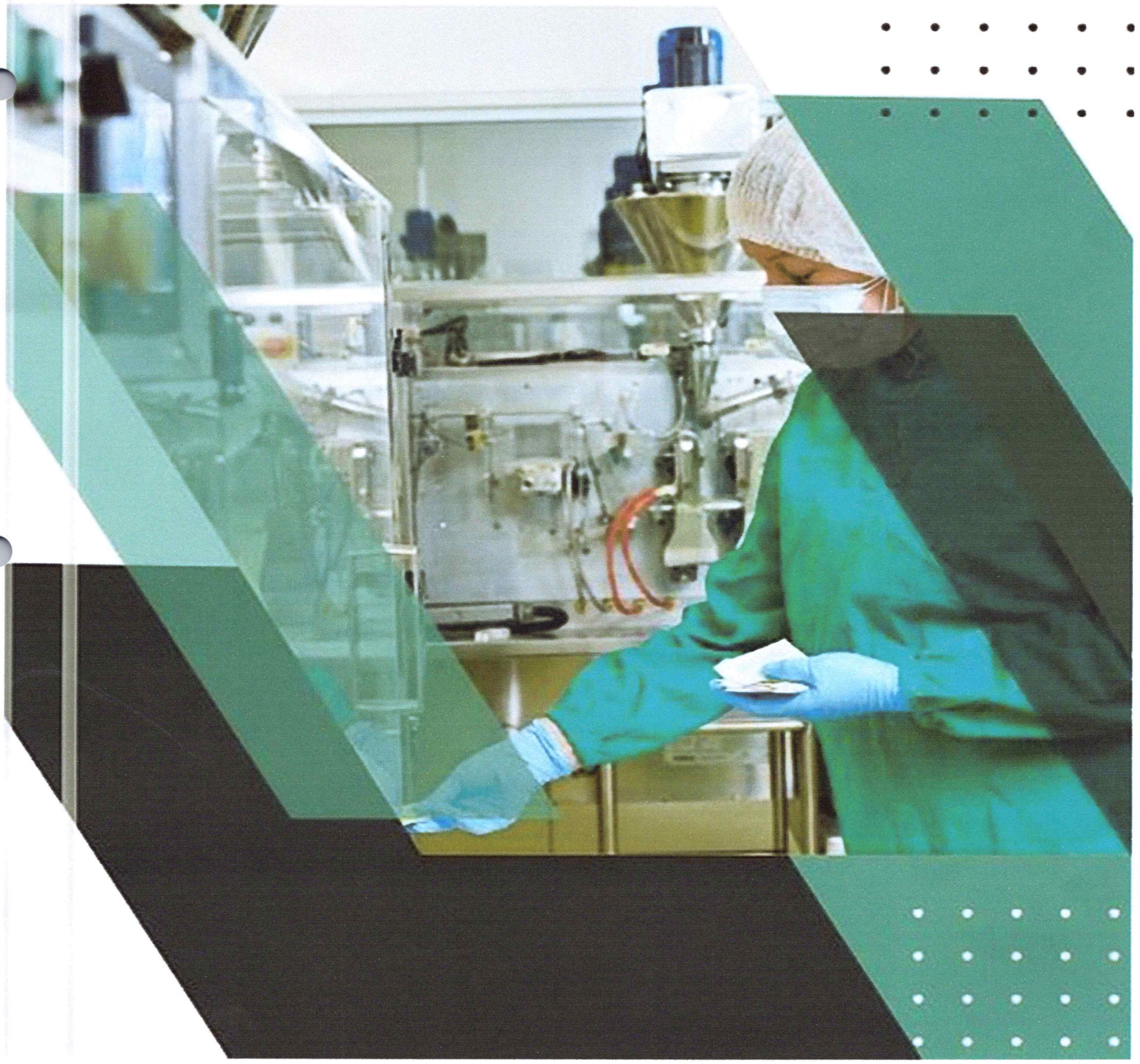

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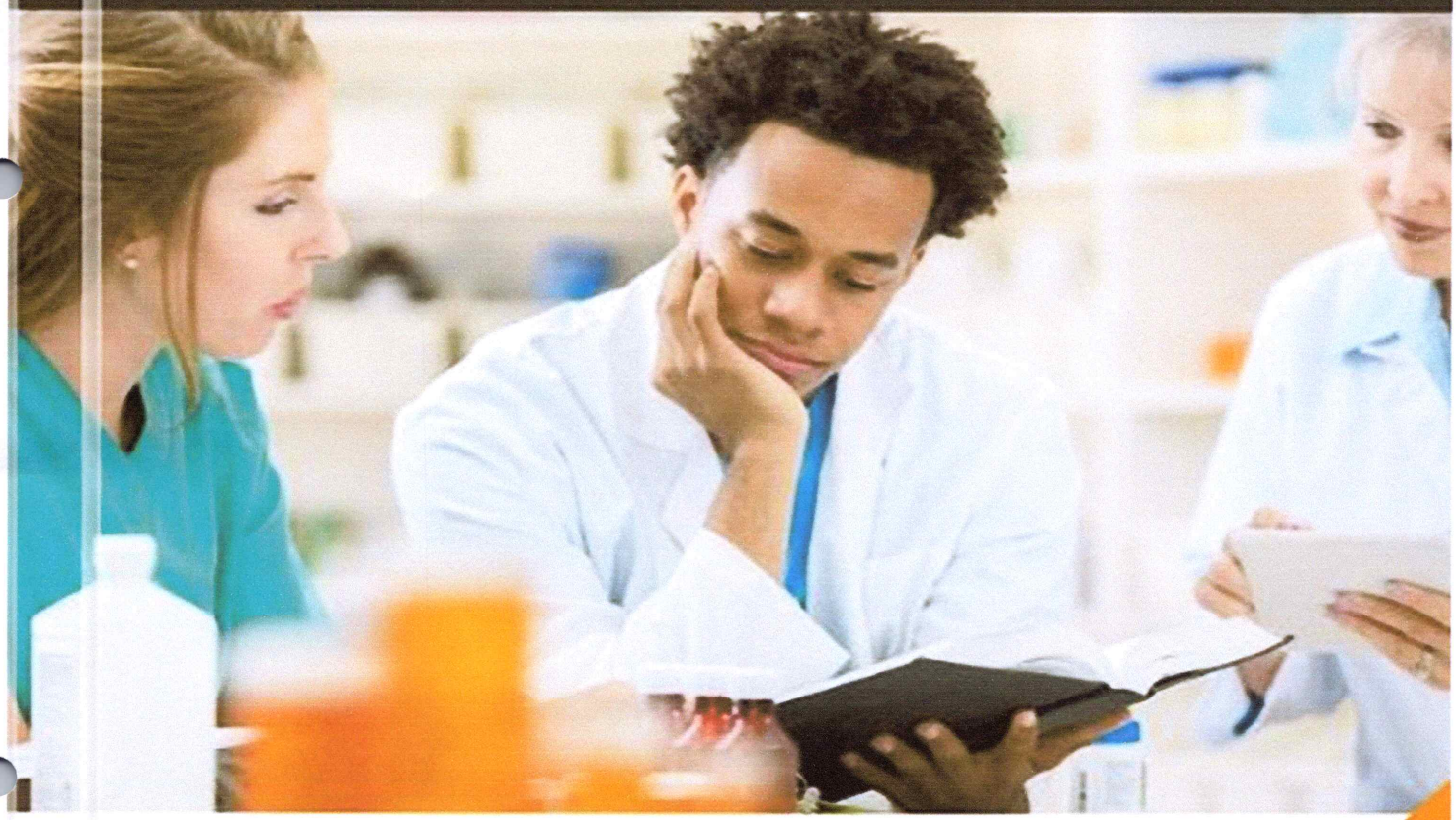

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A TEXT BOOK OF PHARMACEUTICS

A. V. S. Ksheera Bhavani, R. L. Kalyani

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Poly (lactic-co-glycolic acid) (PLGA) Polymer in Development of Delivered Drug Formulations in Current Interest in Pharmaceutical Technology

Ch.Taraka Ramarao*
Associate Professor, Department of Pharmaceutical Technology,
Sri Venkateswara College of Pharmacy, Etcherla, Srikakulam,
Andhra Pradesh, INDIA-532410

Article Info

Article History
Received :14-08-2020
Revised :22-08-2020
Accepted :01-09-2020

Contact Author
Dr. Ch. Taraka Ramarao
Associate Professor, Department of Pharmaceutical Technology,
Sri Venkateswara College of Pharmacy, Etcherla, Srikakulam,
Andhra Pradesh, INDIA-532410
Mobile: 91- 9949900905
Email:tarak.pharm60@gmail.com

Introduction:

Poly (lactic-co-glycolic acid) is a polymer that is employed in a very host of Food and Drug Administration (FDA) approved therapeutic devices, owing to its biodegradability and biocompatibility. PLGA is synthesized by means that of ring-opening co-polymerization of 2 totally different monomers, the cyclic dimers (1, 4-dioxane-2, 5-diones) of glycolic acid and lactic acid. The polymers are often synthesized as either random or block copolymers thereby imparting additional polymer properties. Common catalysts employed in the preparation of this polymer include tin(II) 2-ethylhexanoate, tin(II) alkoxides, or aluminum isopropoxide. During chemical process, serial monomer units (of glycolic or lactic acid) are coupled along in PLGA by organic compound linkages, therefore yielding a linear, acyclic polyester as a product[1].

Depending on the ratio of lactide to glycolide used for the polymerization, totally different types of PLGA are often obtained: these are sometimes known in reference to the molar quantitative relation of the monomers used (e.g. PLGA 75:25 identifies a polymer whose composition is 75th lactic acid and 25th glycolic acid). The crystalline of PLGAs can vary from totally amorphous to totally crystalline looking on block structure and molar ratio. PLGAs usually show a glass transition temperature within the vary of 40-60 °C. PLGA are often dissolved by a