

**MONOGRAPHS ON
BIOCHEMISTRY: THE CHEMICAL
CONSTITUTION OF THE
PROTEINS, IN TWO PARTS, PART II**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649355556

Monographs on Biochemistry: The Chemical Constitution of the Proteins, in Two Parts, Part II
by R. H. Aders Plimmer

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

R. H. ADERS PLIMMER

**MONOGRAPHS ON
BIOCHEMISTRY: THE CHEMICAL
CONSTITUTION OF THE
PROTEINS, IN TWO PARTS, PART II**

MONOGRAPHS ON BIOCHEMISTRY

EDITED BY

R. H. ADERS PLIMMER, D.Sc.

AND

F. G. HOPKINS, M.A., M.B., D.Sc., F.R.S.

MONOGRAPHS ON BIOCHEMISTRY

EDITED BY

R. H. ADERS PLIMMER, D.Sc.

AND

F. G. HOPKINS, M.A., M.B., D.Sc., F.R.S.

ROYAL 8vo.

THE DEVELOPMENT AND PRESENT POSITION OF BIOLOGICAL CHEMISTRY. By F. GOWLAND HOPKINS, M.A., M.B., D.Sc., F.R.S.

THE NATURE OF ENZYME ACTION. By W. M. BAYLISS, D.Sc., F.R.S. 3s. net.

THE CHEMICAL CONSTITUTION OF THE PROTEINS. By R. H. ADERS PLIMMER, D.Sc. Two Parts.

THE GENERAL CHARACTERS OF THE PROTEINS. By S. B. SCHRYVER, D.Sc., Ph.D.

THE VEGETABLE PROTEINS. By THOMAS B. OSBORNE.

THE CARBOHYDRATES: THE POLYSACCHARIDES. By ARTHUR R. LING, F.I.C.

THE CARBOHYDRATES: THE GLUCOSIDES. By E. FRANKLAND ARMSTRONG, D.Sc., Ph.D.

THE FATS. By J. B. LEATHES, D.Sc.

THE
CHEMICAL CONSTITUTION
OF
THE PROTEINS

BY

R. H. ADERS PLIMMER, D.Sc.

ASSISTANT PROFESSOR OF PHYSIOLOGICAL CHEMISTRY IN, AND FELLOW OF
UNIVERSITY COLLEGE, LONDON

IN TWO PARTS

PART II



LONGMANS, GREEN, AND CO.

39 PATERNOSTER ROW, LONDON

NEW YORK, BOMBAY, AND CALCUTTA

1908

100

Dedicated

TO

EMIL FISCHER

THE MASTER OF

ORGANIC CHEMISTRY IN ITS RELATION TO BIOLOGY

GENERAL PREFACE.

THE subject of Physiological Chemistry, or Biochemistry, is enlarging its borders to such an extent at the present time, that no single text-book upon the subject, without being cumbersome, can adequately deal with it as a whole, so as to give both a general and a detailed account of its present position. It is, moreover, difficult, in the case of the larger text-books, to keep abreast of so rapidly growing a science by means of new editions, and such volumes are therefore issued when much of their contents has become obsolete.

For this reason, an attempt is being made to place this branch of science in a more accessible position by issuing a series of monographs upon the various chapters of the subject, each independent of and yet dependent upon the others, so that from time to time, as new material and the demand therefor necessitate, a new edition of each monograph can be issued without re-issuing the whole series. In this way, both the expenses of publication and the expense to the purchaser will be diminished, and by a moderate outlay it will be possible to obtain a full account of any particular subject as nearly current as possible.

The editors of these monographs have kept two objects in view: firstly, that each author should be himself working at the subject with which he deals; and, secondly, that a *Bibliography*, as complete as possible, should be included, in order to avoid cross references, which are apt to be wrongly cited, and in order that each monograph may yield