

*Christ College Pune Research Series-1*

**RESPONSIBILITY AND ACCOUNTABILITY TO**

# OUR COMMON HOME

**CARING, NURTURING AND SUSTAINING THE ENVIRONMENT**

**Editors**

**Thomas Karimundackal, SJ**

**Sony Chundattu, CMI**

*Christ College Pune Research Series-1*

# **Responsibility and Accountability to Our Common Home**

**Caring, Nurturing and Sustaining the Environment**

*Editors*

**Thomas Karimundackal, SJ**

**Sony Chundattu, CMI**



**Christ College, Pune**

**&**

**Written Words, Delhi**



© Christ College, Pune

First Published in 2020 by

## ***Christ College***

26/4A, Sainikwadi Vadgaonshery

**Pune-411 014**

E mail: [director@christcollegepune.org](mailto:director@christcollegepune.org)

[www.christcollegepune.org](http://www.christcollegepune.org)

Phone: +918412011922

&

## ***WRITTEN WORDS***

*A Wing of*

**Christian World Imprints**

C-3, Wazirpur Industrial Area

**Delhi-110052**

[cwidelhi2017@gmail.com](mailto:cwidelhi2017@gmail.com)

[www.ChristianWorldImprints.com](http://www.ChristianWorldImprints.com)

Phone: +91 11 41526079

ISBN: 978-93-5148-485-1

All rights are reserved. No part of this publication can be reproduced, distributed, performed, published, displayed, stored in a retrieval system, made into a derivative work, transmitted or utilized in any form or by any means; electronic, mechanical, photocopying, recording or any information storage system, without the prior written permission of the copyright holder(s), as indicated, and the publishers.

**Jurisdiction:** Any conflict or dispute in relation to this publication shall be adjudged in accordance with the laws of India and the matter shall be subject to the jurisdiction of the Courts, Tribunals or any other Forum of New Delhi, India, only.

**Disclaimer:** The views, facts, contents, any copyright material used and analysis arrived at in the Articles included/published in this work are solely of the Contributors who assert the right to be identified as Authors; the Publishers - CCPRS, Pune and Written Words, Delhi - do not take any responsibility for the same in any manner whatsoever.

Printed in India.

# Contents

<i>Message</i>	ix
<i>Foreword</i>	xi
<i>Editorial</i>	xiii
<b>Introductory Article</b>	1
1. <i>Laudato Si'</i> : Pope Francis' Vision for 'Our Common Home' and Humanity <i>Thomas Karimundackal, SJ</i>	3
<b>Part One: Issues and Challenges</b>	27
2. Global Environmentalism - Issues and Challenges <i>Assunta Mendonca-Sandhir</i>	29
3. Climate Change: An Existential Threat to Humanity <i>Sony Chundattu, CMI</i>	43
4. Environmental Pollution and Its Solutions <i>Shagufta Khan</i>	59
5. Loss of Biodiversity <i>Aware Balasaheb Parasram</i>	75
6. Alien Species: Boon or Curse <i>Aparna Lal</i>	83
7. Environmental Laws and Water Act of 1974 <i>Rutuja Purohit</i>	93
8. Solid Waste Management in India <i>Merin K. Varghese</i>	101
9. Impact of Climate Change and Farmers' Suicides in India – A Case Study <i>Yogesh Patil</i>	111

**Part Two: Solutions and Possibilities**

- |                                                                                    |     |
|------------------------------------------------------------------------------------|-----|
| 10. Reduce, Reuse and Recycle<br><i>Tresa Antony</i>                               | 119 |
| 11. Advantages of Organic Farming<br><i>Suvarna Parande (Nade)</i>                 | 121 |
| 12. Environment and Wireless Communication<br><i>David Thomas Vidhate</i>          | 129 |
| 13. The Indian Railways: An Emerging Green Leader<br><i>Blesson Varghese James</i> | 145 |
| 14. Renewable Resources and Eco-Friendly Vehicles<br><i>Nisha V. More</i>          | 159 |
|                                                                                    | 169 |

**Part Three: Hopes and Actions**

- |                                                                                                                  |     |
|------------------------------------------------------------------------------------------------------------------|-----|
| 15. Ecology and Harmonious Life<br><i>V. M. Jose, SJ</i>                                                         | 183 |
| 16. Sustainable Development: A Viable Solution<br>for Environmental Degradation<br><i>Maninder Kaur</i>          | 185 |
| 17. The Role of Community Development Programmes<br>for Combating Climate Changes<br><i>Roshni Karimundackal</i> | 197 |
| 18. Smart Cities for a Sustainable Environment<br><i>Petricia Leema Roseline</i>                                 | 213 |
|                                                                                                                  | 221 |

**Concluding Article**

- |                                                                                                 |     |
|-------------------------------------------------------------------------------------------------|-----|
| 19. Ecology, Economy and Coronavirus: Lessons for Our Future<br><i>Kuruvilla Pandikattu, SJ</i> | 231 |
|                                                                                                 | 233 |

**Contributors**

253