



Career in Science

for

Women :

Challenges

And

Opportunities

Dr. Kiran Bakshi

Dr. Anupma Gupta

Proceedings of

4th J & K WOMEN SCIENCE CONGRESS (JKWSC)

1st - 3rd September, 2016

Focal Theme

Career in Science For Women - Challenges And Opportunities

ORGANIZING GROUP

Principal & Patron: Dr. Kiran Bakshi

Organizing Secretary: Dr. Anupama Gupta

Advisory Committee

Prof. Suchitra Sapru

Prof. Sujata Slathia

Prof. Sudhanshu Sharma

Prof. Naveen Anand

Prof. Surinder Sharma

Prof. Sunil Uppal

Organizing Committee

Prof. Kamlesh Slathia

Prof. Amitpal Kaur

Prof. Rajinder Sharma

Prof. Mala Bhasin

Prof. Ashwani Khajuria

Prof. Romika Suden

Prof. Malti Rajput

Prof. Kiran Bala

Prof. Neelam Thappa

Organized by

Govt. College for Women, Gandhi Nagar, Jammu

in collaboration with

J & K Science Technology & Innovation Council

&

Department of Science and Technology, J & K

**Career in Science for Women:
Challenges and Opportunities**

Editors

Dr. Kiran Bakshi

(Principal & Patron)

*Govt. College for Women
Gandhi Nagar, Jammu-180004, India*

Dr. Anupma Gupta

Associate Professor (Dept. of Mathematics)
(Organizing Secretary)

*Govt. College for Women
Gandhi Nagar, Jammu-180004, India*



NIRMAL PUBLICATION (INDIA)

Delhi-110088

Chapter - 7

DEVELOPMENT AT THE COST OF ENVIRONMENT

Dr Deepak Pathania

Lecturer in EVS, Government College for Women, Gandhi Nagar, Jammu

Development means improving the quality of life for humans but when development is carried out at the cost of environment, it is not sustainable and it causes more harm in the long run. The present paper deals with such cases where certain practices adopted in view of development turned out to be detrimental in later stages. A case study has also been done to see whether the development carried out in a village is sustainable or not.

Green revolution was welcomed as it doubled the grain harvests but now we are seeing the adverse effects of it. It is threatening the biodiversity by replacing natural seeds with hybrids. Hybrid crops can cause environmental problems by crowding out native plants and the wild life dependent on them. Farmers growing hybrid crops must buy costly new seed every year because it cannot be saved to plant the following year's crops. Fertile lands lay idle and unploughed, resulting in droughts and desertification. Introduction of chemical fertilizers hampered with the natural fertilizers soil and made soil devoid of any nutrients. Chemical pesticides are generally not very pest specific. This has led to death of beneficial organisms present in the soil and also pest has become resistant and requires higher doses to get killed. These chemicals have also resulted in eutrophication, bioaccumulation and biomagnification.

Use of machines in agriculture has led to wastage of food and animal resources. Unplanned boring for irrigating fields has also been found to be detrimental when water loaded with heavy metals is being used to irrigate fields leading to environmental and health problems. Use of concrete and glass in buildings houses causes increase in temperature in summers and requires the use of fans, coolers and AC. Also as a result of development, any kucha land available is being converted into a land leaving no place where rain water can percolate and recharge

Chapter
ground water. It also
Introduction of hand
ponds, streams and
Introduction of po
environment as the
make soil infertile.

Use and throw tea
increase in solid wa

Construction of b
narrowing of water

Development in a
destruction of beau

Mobile phones ha
their ill effects on

Even simple spor
Chinese thread.

Case Study

A village
Samba has been
about 1200 is ab
The main occupa
in Govt. service
present study ha
natural resource
agricultural field

About 1
hillocks. Village
fields. Agricult
crops which req
at higher altitud
sesame, urad,
abundant and c

Career in Science for Women:

Challenges and Opportunities

© Publisher

All rights reserved. No part of this book may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without written permission from the publisher.

First Published 2016

ISBN: 978-93-85961-22-9

Price: ₹ 1480/- US \$ 140.

Publisher: -

Nirmal Publication (India)

Add: BR-63/B, Shalimar Bagh
Delhi-110088.

PH: 9868 255 155

E-mail: npibooks@gmail.com

Website: www.npibooks.com

Processed & Printed by : NPI Print Solution, New Delhi-110002.

NOTE: Every effort has been made to avoid errors or omissions in this publication. In spite of this, some error might have crept in. Any mistake, error or discrepancies noted may be brought to our notice, which shall be taken care of in the next edition. It is notified that neither the publisher nor the author or seller will be responsible for any damage or loss of action to anyone, any kind, in any manner, there from. For binding, mistakes, misprints or for missing pages, etc. the publisher's liability is limited to replacement within one month of purchase by similar edition. All expenses in this connection are to be borne by the purchaser. The Author(s) / Editor(s) are wholly responsible for any infringement of any article / chapter or any written material in this book.