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(2012-2013)



DESERT MEDICINE RESEARCH CENTRE
(Indian Council of Medical Research)
NEW PALI ROAD, JODHPUR-342 005

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डॉ विश्व मोहन कटोच
एम डी, एफ एन ए एमसी, एफ ए एम एल, एफ ए एमसी, एफ एन ए
सचिव, भारत सरकार
(स्वास्थ्य अनुसंधान विभाग)
स्वास्थ्य एवं परिवार कल्याण मंत्रालय एवं
महानिदेशक, आई सी एम आर
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Secretary to the Government of India
(Department of Health Research)
Ministry of Health & Family Welfare &
Director-General, ICMR



FOREWORD

It is a matter of great pleasure that Desert Medicine Research Centre (DMRC) is bringing out its Annual Report for the year 2012-13 containing its scientific activities. The report covers research activities on communicable and non-communicable diseases and on nutritional status of the arid population. Mapping of mosquito breeding habitats in the areas prone for emergence of Japanese Encephalitis virus is being carried out using Remote Sensing and Geographical Information System. The findings would be useful in prevention and control of spread of Japanese Encephalitis. Synergistic larvicidal efficacies of extracts of desert plants *Solanum xanthocarpum* and *Withania somnifera* have been studied when they were used in different binary combinations.

A new unit of National Nutrition Monitoring Bureau has been set up at DMRC which would be useful to generate periodical data on nutritional profile of population of Rajasthan. New initiatives for strengthening the linkages with state health department, medical colleges and universities are laudable steps which would help in better utilization of infrastructure facilities as well as broaden the horizon of research for DMRC.

I hope the research being pursued on different aspects of communicable, non-communicable diseases and nutritional deficiency disorders and new initiative taken would help DMRC to widen its horizon of participatory research.


(V. M. Katoch)

PREFACE

Desert Medicine Research Centre (DMRC) has strived for its research endeavor, since its inception in 1984, towards fulfilling its mandate of addressing the diverse health related issues in the areas of communicable and non-communicable diseases along with the problems of nutritional deficiencies in the arid population.

During the year DMRC has taken initiatives to promote biomedical research in the region through collaborations with medical colleges and Universities. In this direction, the Centre has organized "Jodhpur conclave" in December 2012 and developed joint projects with local medical college/institute and University. Continuing with these efforts a "Brain storming session" of stake holders was organized in February 2013 for identifying research areas for collaboration.

One of the six new units of National Nutrition Monitoring Bureau (NNMB) has been established at the DMRC as an expansion to existing ten centres of NNMB. Dr. V.M. Katoch Secretary DHR and DG, ICMR inaugurated the Centre's bilingual i.e. English and Hindi website in October 2012 which was earlier in English only. Ethics committee was reconstituted keeping in view newer developments in the field with respect to regulatory aspects. Further, efforts have also been made towards NABL accreditation of the Centre's laboratories by getting Centre's scientists trained, organizing lectures by NABL experts and creation of a NABL Cell.

'Chetna', a quarterly magazine, is being published by the Centre regularly both in Hindi and English to disseminate the scientific knowledge and activities of the centre. Parliamentary committee on official languages assessed the work, being done in Hindi, of many institutes in Jodhpur including DMRC in October 2012. DMRC's work was very much appreciated. Unicode training programmes for doing the work in Hindi have been conducted in the Centre not only for its staff but also for employees of other institutes in the city.

The Centre is relentlessly marching ahead to achieve its mandate in the field of basic, clinical and translational research by infrastructure and human resource development and also by promoting collaborative research.



Dr. G. S. Toteja
Director

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