1. “A Pilot study to estimate malaria incidence using sampling methods” in collaboration with NAMP/IRMS and State Governments (1980-83) funded by ICMR.


3. “To study the impact of residual insecticidal spray operations in areas with varying degrees of resistance and its relationship to the malaria transmission” in collaboration with NAMP and State Governments (1981-83) funded by ICMR.

4. “A Pilot study to assess the impact of antimalaria operations on the morbidity (duration of febrile illness)” in collaboration with NAMP/State Governments (1982-83) funded by ICMR.

5. “Studies on cell biology, ultrastructural and electron cytochemistry of the human malaria parasite Plasmodium vivax and Plasmodium falciparum” in collaboration with Delhi University, Delhi (1982-85) funded by DBT.

6. “Seroepidemiology of human malaria-Multicentric trials” (1983-85) funded by ICMR.

7. “Incrimination of An. culicifacies using immuno-radiometric assay” (1984-86) funded by International Agency for Funding under Gandhi-Regan Science and Technology Initiative in collaboration with New York University School of Medicine, USA.

8. “Impact of Deltamethrin (K-othrine) spraying in areas with DDT and HCH resistant An. culicifacies” in collaboration with NAMP (1985) funded by ICMR/NAMP.

9. “Field trials of Deltamethrin (K-othrine) in Razapur PHC, District Ghaziabad” (1986-88) funded by NAMP.

10. “Evaluation of Bacillus sphaericus in laboratory and field” (1986-87) funded by WHO/TDR.

11. “Science & Technology Project on Integrated Vector Control of Malaria, Filaria and other Vector-borne Diseases” (1986 onwards) funded by ICMR and Dept. of Health, Ministry of Health & Family Welfare, Govt. of India.

12. “Applied field research on malaria” (1987-89) funded by SIDA.


17. “Multicentric field trials with Bacillus sphaericus and Bacillus thuringiensis var. israelensis (1993-94) funded by ICMR/NAMP.


20. “Ecological adaptations of malaria vectors in different climatic zones and their epidemiological implications” (1996-97) funded by WHO through NAMP.


22. “Malaria prevalence among pregnant women and children in malaria endemic tribal area of Orissa” (1997-98) funded by CARE-India.

23. “The information modelling of malaria distribution process in India under ILTP of cooperation in Science and Technology between India and Russia” (1998-2000) funded by DST.


33. “Impact of residual spraying of Bendiocarb 80% WP (Carbamate) against DDT and HCH resistant malaria vector An. culicifacies in malaria endemic villages of District Ghaziabad (U.P.), India” (1999-2002) sponsored by Hoechst Schering Agro Evo Ltd.

34. “Laboratory and field evaluation of Hilmilin against mosquitoes” (1999-2002) sponsored by Hindustan Insecticides Ltd.

35. “Bio-efficacy and operational feasibility of Alpha Cypermethrin (Fendona) impregnated mosquito nets/curtains to control rural and urban malaria” (1999-2002) sponsored by CYNAMID Agro Ltd.


37. “Field research on situation analysis in some selected districts and towns in the context of Roll Back Malaria Initiative” (2000-01) funded by WHO-SEARO, New Delhi.


41. “Application of RS and GIS for decision support in malaria control” (2000-03) funded by ICMR Task Force.

42. “Delineation of breeding habitats and landscape features suitable for An. culicifacies abundance using satellite remote sensing data” (2000-03) funded by ICMR Task Force.

43. “Multicentric field trials with Bacillus thuringiensis var. israelensis serotype H-14 against mosquitoes in Haldwani (Uttaranchal), Shahjahanpur (U.P.) and Vasco-da-Gama (Goa)” (2001) sponsored by Wockhardt.


46. “Operational evaluation of the stability of Iodine in double fortified salt-A multicentric study” (2001-02) funded by ICMR.

47. “Evaluation of the impact of DDT and malathion indoor residual spraying being used in malaria and Kala-azar control programmes on the disease prevalence-A multicentric study” (2001-02) funded by ICMR Task Force.

48. “Comparative evaluation of bio-efficacy and persistence of mosquito nets treated with deltamethrin tablet formulation (K-O Tab®) against malaria vectors Anopheles culicifacies and An. stephensi” (2001-02) sponsored by Aventis Crop Science, Mumbai.

49. “Assessment of therapeutic efficacy of: (a) chloroquine in uncomplicated vivax malaria; Mumbai, Chennai and U.P.; and (b) chloroquine and SP combination for uncomplicated falciparum malaria in Assam, Tripura and Orissa” (2001-02) funded by WHO-SEARO, New Delhi.

50. “Evaluation of the impact of DDT and malathion indoor residual spraying being used in malaria and Kala-azar control programmes on the disease prevalence” (2001-02) funded by ICMR.

51. “Laboratory and field evaluation of Teknar HP-D (Bacillus thuringiensis var. israelensis)” (2001-03) sponsored by Margo Bio-controls Pvt. Ltd.

52. “Mosquito control in Bangalore City, Bangalore” (2001-03) funded by Mahanagara Palike, Bangalore.

53. “Field evaluation of Triflumuron (IGR) against larvae of mosquito vectors” (2001-03) sponsored by Bayer.

54. “Process development for production of a recombinant malaria vaccine based on Plasmodium vivax Duffy binding protein” in collaboration with ICGEB-NIH (2001-03) funded by DBT.


58. “Laboratory (Phase-I) evaluation of phenthoate against urban malaria vectors An. stephensi and Culex quinquefasciatus” (2002) sponsored by EID PARRY.

59. “To develop strategy for integrated control of vectors of malaria in District Sagar, Madhya Pradesh” (2002-03) funded by WHO-SEARO.

60. “Operational feasibility of use of larvivorous fishes for control of malaria in a high-risk area of Karnataka state, India” (2002-03) funded by WHO-SEARO.

61. “To develop strategy for integrated control of vectors of malaria, Japanese encephalitis and dengue in Karnataka” (2002-03) funded by WHO-SEARO.

62. “To develop strategy for integrated control of vectors of malaria and dengue in northern Gujarat” (2002-03) funded by WHO-SEARO.

64. “Extended evaluation of Bifenthrin 10% WP for malaria vector control” (2002-03) sponsored by FMC, Bangalore.

65. “Comparative evaluation of bio-efficacy and persistence of mosquito nets treated with deltamethrin tablet formulation against malaria vectors An. fluviatilis and An. culicifacies and its impact on malaria transmission in malaria endemic tribal area of Sundergarh district” (2002-03) sponsored by Aventis Crop Science, Mumbai.


67. “Therapeutic efficacy of chloroquine in P. vivax malaria” (2002-03) funded by WHO-SEARO.

68. “Molecular characterization of Anopheles fluviatilis complex: Development of species-specific diagnostic markers and microsatellite markers” ICMR Genomics (2002-04) funded by ICMR.

69. “Genetic polymorphism of T-helper cell epitopic regions of circumsporozoite protein of Plasmodium falciparum isolates from India: Relevance for vaccine development” (2002) funded by CSIR.

70. “Assessment of the impact of Sardar Sarovar Narmada Water Resources Development Project (SSP) on communicable diseases with particular reference to mosquito-borne diseases partially, Sardar Sarovar Narmada Nigam Limited, Govt. of Gujarat” (2002-05) funded by the Govt. of Gujarat.

71. “Prospecting for botanical pesticides: An all India coordinated research project” (2002-05) funded by DBT.

72. “Genetic diversity of P. falciparum and P. vivax in India: Development of molecular markers” ICMR Genomics (2002-05) funded by ICMR.

73. “Development of GMP-grade recombinant malaria vaccine(s) and preparation of field trial site for the vaccine trials” (2000-07) funded by DBT.

<table>
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<tr>
<th>Abbreviations</th>
<th>Funding/Collaborating Agencies</th>
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<tr>
<td>CARE</td>
<td>Cooperative American Relief Everywhere</td>
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<tr>
<td>CSIR</td>
<td>Council of Scientific and Industrial Research</td>
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<tr>
<td>DBT</td>
<td>Department of Biotechnology</td>
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<tr>
<td>DFID, U.K.</td>
<td>Department for International Development, U.K.</td>
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<td>DRDO</td>
<td>Defence Research and Development Organization</td>
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<tr>
<td>DST</td>
<td>Department of Science &amp; Technology</td>
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<tr>
<td>ICGEB</td>
<td>International Centre for Genetic Engineering &amp; Biotechnology</td>
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<td>ICMR</td>
<td>Indian Council of Medical Research</td>
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<td>ILTP</td>
<td>Integrated long-term project</td>
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<td>IRMS</td>
<td>Institute for Research in Medical Statistics</td>
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<td>NAMP</td>
<td>National Anti Malaria Programme</td>
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<td>RMRI</td>
<td>Rajendra Memorial Research Institute</td>
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<td>SIDA</td>
<td>Swedish International Development Agency</td>
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<td>UNDP</td>
<td>United Nations Development Programme</td>
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<td>WHO</td>
<td>World Health Organization</td>
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<td>WHO/TDR</td>
<td>WHO/Tropical Disease Research</td>
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<td>WHO/SEARO</td>
<td>WHO/South East Asian Regional Organization</td>
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<td>WHOPES</td>
<td>WHO Pesticide Evaluation Scheme</td>
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