

Research Articles Published by NIMR Scientists

Since inception in 1977, NIMR scientists have been publishing their scientific research results in various indexed and non-indexed journals. The publications since 1977 are listed year wise.

1977

1. Ansari MA, Singh KRP, Brooks GD, Malhotra PR, Vaidyanathan V. The development of procedures and techniques for mass rearing of *Aedes aegypti*. *Indian J Med Res* 1977; 65 (Suppl): 91–9.
2. Ansari MA, Singh KRP, Brooks GD, Malhotra PR. A device for separation of pupae from larvae of *Aedes aegypti* (L). *J Med Entomol* 1977; 14(2): 241–3.
3. Ansari MA, Mani TR, Sharma VP. A preliminary note on the colonization of *Anopheles culicifacies* Giles. *J Commun Dis* 1977; 9: 206–7.
4. Krishnamurthy BS, Curtis CF, Singh KRP, Subbarao SK, Chandrahas RK, Adak T. Further studies on the effect of aging and mating history of males on cytoplasmic incompatibility in *Culex pipiens fatigans*. *J Genetics* 1977; 63(1): 31–7.
5. Krishnamurthy BS, Curtis CF, Subbarao SK, Chandrahas RK, Adak T. Studies on the induction of high sterility male linked translocations in *Culex pipiens fatigans* their level of sterility and effect of mating competitiveness. *Indian J Med Res* 1977; 65 (Suppl): 1–12.
6. Sharma VP. Evaluation of ENT-61585 as a chemosterilant for *Culex pipiens fatigans* Weid. *J Commun Dis* 1977; 9: 71–3.
7. Sharma VP. Insemination rate in *Culex pipiens fatigans* Weid moving from wells to the villages. *J Commun Dis* 1977; 9: 128–31.
8. Sharma VP. Sterility evaluation of F1 progeny of the sterilized *Culex pipiens fatigans* Wied. *J Commun Dis* 1977; 9: 139–40.
9. Sharma VP, Batra CP, Brooks GD. Control of *Culex pipiens fatigans* Wied in drains using a growth regulating compound, OMS-1390. *J Commun Dis* 1977; 9: 136–8.
10. Sharma VP, Curtis CF, Vaidyanathan V. Laboratory studies with chemosterilized male *Culex pipiens fatigans* Wied for the determination of the optimum quality of release material. *Indian J Med Res* 1977; 65 (Suppl): 107–14.
11. Sharma VP, Mani TR, Adak T, Ansari MA. Colorless-eye, a recessive autosomal mutant of *Anopheles stephensi*. *Mosq News* 1977; 37: 667–9.
12. Subbarao SK, Krishnamurthy BS, Curtis CF, Singh KRP, Adak T, Chandrahas RK. Further studies on variation of cytoplasmic incompatibility in the *Culex pipiens fatigans* complex. *Indian J Med Res* 1977; 65 (Suppl): 21–3.
13. Subbarao SK, Krishnamurthy BS, Curtis CF, Adak T, Chandrahas RK. Segregation of cytoplasmic incompatibility properties in *Culex pipiens fatigans*. *Genetics* 1977; 87: 381–90.
14. Subbarao SK, Curtis CF, Krishnamurthy BS, Adak T, Chandrahas RK. Selection for partial compatibility with aged and previously mated males in *Culex pipiens fatigans* complex. *J Med Entomol* 1977; 14: 82–5.
15. Suguna SG, Kazmi SJ, Curtis CF, Singh KRP, Razdan RK, Sharma VP. Distorter double translocation heterozygote systems in *Aedes aegypti*. *Genetica* 1977; 47: 117–23.

1978

1. Ansari MA, Sharma VP, Razdan RK. Mass rearing procedure for *Anopheles stephensi* Liston. *J Commun Dis* 1978; 10: 131–5.
2. Sharma VP, Razdan RK, Ansari MA. *Anopheles stephensi*: effect of gamma radiation and chemosterilants on the fertility and fitness of males for sterile male releases. *J Econ Entomol* 1978; 71: 449–52.
3. Sharma VP, Subbarao SK, Adak T, Razdan RK. Effects of temperature on the fertility of Prague type *Culex pipiens fatigans*. *J Commun Dis* 1978; 10: 148–50.
4. Subbarao SK, Adak T. Genetic mapping of a larval color mutant greenish-larva with the help of male linked translocations and ruby-eye marker in *Culex quinquefasciatus*. *Mosq News* 1978; 38: 47–50.
5. Subbarao SK, Adak T. Genetic analysis of a larval color mutant, green larva in *Anopheles stephensi*. *Mosq News* 1978; 38: 51–3.
6. Yasuno M, McDonald WW, Curtis CF, Grover KK, Rajagopalan PK, Sharma LS, Sharma VP, Singh D, Singh KRP, Agarwal HV, Kazmi SJ, Menon PKB, Menon R, Razdan RK, Samuel D, Vaidyanathan V. A control experiment with

chemosterilized male *Culex pipiens fatigans* Wied in a village near Delhi surrounded by a breeding free zone. *Japanese J Sanitary Zool* 1978; 29(4): 325–43.

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2. Sharma VP, Batra CP, Brooks GD. Laboratory and field evaluation of a growth regulating compound (TH-6040) against *Culex pipiens fatigans* (Diptera: Culicidae). *J Med Entomol* 1979; 15(5–6): 506–9.
3. Sharma VP, Subbarao SK, Adak T, Razdan RK. Integration of gamma irradiation and cytoplasmic incompatibility in *Culex pipiens fatigans* (Diptera: Culicidae). *J Med Entomol* 1979; 15: 155–6.
4. Sharma VP, Subbarao SK, Ansari MA, Razdan RK. Inheritance pattern of two new mutants, redeye and greenish brown-larva in *Anopheles stephensi*. *Mosq News* 1979; 39: 655–7.

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1. Sharma VP. Parameters for assessment of the epidemiological situation of malaria. *J Commun Dis* 1980; 12: 46–8.
2. Sharma VP, Subbarao SK. Insecticide resistance: tackling the problem areas. *J Commun Dis* 1980; 12: 88–9.
3. Subbarao SK. Genetics of *Anopheles stephensi*. *Proc Indian Natl Sci Acad B* 1980; 46(6): 851–5.
4. Subbarao SK, Adak T, Sharma VP. *Anopheles culicifacies*: sibling species distribution and vector incrimination studies. *J Commun Dis* 1980; 12: 102–4.

1981

1. Choudhury DS. Investigation in Simian malaria in India, and its potential as a source of zoonosis. *Indian J Malariol* 1980; 18: 28–34.
2. Menon PKB, Sharma VP. Geographic variation in life table attributes of four populations of *Anopheles stephensi* Liston from India. *Indian J Malariol* 1980; 18: 91–7.
3. Saxena VK, Sharma VP. Water mites (*Arrenurus* sp) parasitising mosquitoes in Uttar Pradesh terai, District Nainital. *Indian J Malariol* 1980; 18: 51–2.
4. Sharma VP, Das M, Bendle MS, Razdan RK. Comparative susceptibility of sterilized and genetically defined strains of *Aedes aegypti* to *Dirofilaria repens*. *J Commun Dis* 1980; 13: 17–23.
5. Subbarao SK, Adak T. Linkage relationship between three autosomal mutants and functional

relationship between two eye-colour mutants in *Anopheles stephensi*. *Indian J Malariol* 1980; 18: 98–102.

6. Varma TK, Sharma VP. Salivary gland chromosomes of *Anopheles annularis*. *Indian J Malariol* 1980; 18: 103–8.

1982

1. Ansari MA, Razdan RK, Sharma VP, Mani TR. Ecology of anophelines in Basantpur village situated on the bank of Jamuna. *Indian J Malariol* 1982; 19: 65–8.
2. Choudhury DS, Ghosh SK. *Plasmodium falciparum* malaria in Haryana villages and a case report of Aphasia. *Indian J Malariol* 1982; 19: 69–70.
3. Choudhury DS, Ghosh SK. Staining of sporozoites from infected mosquitoes. *Indian J Malariol* 1982; 19: 143–4.
4. Choudhury DS, Ghosh SK, Usha Devi C. Multiple invasion of erythrocytes by *Plasmodium vivax*: a report of 56 cases. *Indian J Malariol* 1982; 19: 101–8.
5. Curtis CF, Brooks GD, Ansari MA, Grover KK, Krishnamurthy BS, Rajagopalan PK, Sharma LS, Sharma VP, Singh D, Singh KRP, Yusuno M. A field trial on control of *Culex quinquefasciatus* by release of males of a strain, integrating cytoplasmic incompatibility and translocation. *Exp Appl Entomol* 1982; 31: 181–90.
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8. Sharma VP, Mehrotra KN. Malaria resurgence. *Nature* (London) 1982; 300: 212.
9. Sharma VP, Uprety HC. Preliminary studies on irrigation malaria. *Indian J Malariol* 1982; 19: 139–42.
10. Sharma VP, Uprety HC, Nutan Nanda, Raina VK, Parida SK, Gupta VK. Impact of DDT spraying on malaria transmission in villages with resistant *Anopheles culicifacies*. *Indian J Malariol* 1982; 19: 5–12.
11. Subbarao SK. Distribution of sibling species of the taxon *Anopheles culicifacies*. *J Commun Dis* 1982; 14: 219.
12. Subbarao SK, Adak T, Vasantha K, Sharma VP. Genetics of sex linked and two autosomal mutants in species B of the taxon *Anopheles culicifacies* Giles. *Indian J Malariol* 1982; 19: 83–90.
13. Uprety HC, Gupta VK, Sharma VP. Modified plan of operation and its impact on malaria. *Indian J Malariol* 1982; 19: 137–8.
14. Vasantha K, Subbarao SK, Adak T, Sharma VP. Karyotypic variations in *Anopheles culicifacies* complex. *Indian J Malariol* 1982; 19: 27–32.

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1. Adak T, Subbarao SK, Sharma VP. Male specific esterases in certain anopheline mosquitoes. *Mosq News* 1983; 43: 14–6.
2. Adak T, Subbarao SK, Sharma VP. Inheritance pattern of vermilion-eye in *Anopheles culicifacies* species A. *Indian J Malariol* 1983; 20: 59–61.
3. Chandrhas RK, Sharma VP. Malaria epidemic in Shahjahanpur. *Indian J Malariol* 1983; 20: 163–6.
4. Choudhury DS, Malhotra MS, Shukla RP, Ghosh SK, Sharma VP. Resurgence of malaria in Gadarpur PHC, District Nainital, Uttar Pradesh. *Indian J Malariol* 1983; 20: 49–58.
5. Choudhury DS, Ghosh SK, Usha Devi C, Malhotra MS. Response of *Plasmodium falciparum* to chloroquine in Delhi, Sonapat district of Haryana and terai region of Uttar Pradesh. *Indian J Malariol* 1983; 20: 63–70.
6. Nagpal BN, Sharma VP. Mosquitoes of Andaman Islands. *Indian J Malariol* 1983; 20: 7–13.
7. Nagpal BN, Sharma VP. Morphological variations in a natural population of *Anopheles vagus*, Donitz (1902) collected from Andaman Islands. *Indian J Malariol* 1983; 20: 35–44.
8. Nagpal BN, Sharma VP. Variations in ornamentation of palpi of *Anopheles sondaicus* Rodenwaldt (1925) collected from Andaman Islands, India. *Indian J Malariol* 1983; 20: 85–7.
9. Nagpal BN, Sharma VP. Mosquitoes of coastal Orissa. *Indian J Malariol* 1983; 20: 141–5.
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12. Sharma VP, Choudhury DS, Ansari MA, Malhotra MS, Menon PKB, Razdan RK, Batra CP. Studies on the true incidence of malaria in Kharkhoda (Distt. Sonapat, Haryana) and Kichha (Distt. Nainital, U.P.) Primary Health Centres. *Indian J Malariol* 1983; 20: 21–34.
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15. Uprety HC, Srivastava PK, Nagpal BN, Sharma VP. Mosquito breeding survey in urban Delhi. *Indian J Malariol* 1983; 20: 79–82.
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1984

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three esterase loci in *Anopheles stephensi* Liston. *Biochem Gen* 1984; 22: 483–94.

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6. Sharma VP. Laboratory experiments on the effectiveness of expanded polystyrene (EPS) beads in mosquito control. *Indian J Malariol* 1984; 21: 115–8.
7. Subbarao SK, Sharma VP, Vasantha K, Adak T. Effect of malathion spraying on four anopheline species and the development of resistance in *An. stephensi* in Mandora, Haryana. *Indian J Malariol* 1984; 21: 109–14.

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5. Choudhury DS, Ghosh SK. Laboratory diagnosis of malaria. *Indian J Pediatr* 1985; 52: 261–7.
6. Choudhury DS, Wagh UV, Devi Usha C. *In vitro* cultivation of *P. falciparum* in India. *J Commun Dis* 1985; 17(Suppl 1): 20–2.
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10. Malhotra MS, Shukla RP, Sharma VP. A three year report of the malaria clinic in Haldwani, District Nainital, U.P. *Indian J Malariol* 1985; 22: 123–6.

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12. Nagpal BN, Sharma VP. Tree hole breeding, resting of mosquitoes in Orissa. *Indian J Malariol* 1985; 22: 115–7.
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15. Sharma RC, Yadav RS, Sharma VP. Field trials on the application of expanded polystyrene (EPS) beads in mosquito control. *Indian J Malariol* 1985; 22: 107–9.
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18. Singh N, Nagpal BN. Mosquitoes of Mandla district (M.P.). *Indian J Malariol* 1985; 22: 111–3.
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1986

1. Aggarwal HC, Mittal PK, Menon PKB, Pillai MKK. DDT residues in River Jamuna in Delhi, India. *Water Air Soil Poll* 1986; 28: 89–104.
2. Ansari MA, Sharma VP, Batra CP, Razdan RK, Mittal PK. Village scale trial of the impact of deltamethrin (K-othrine) spraying in areas with DDT and HCH resistant *Anopheles culicifacies*. *Indian J Malariol* 1986; 23: 127–31.
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5. Dua VK, Brohult J, Ericsson O, Sharma VP. High performance liquid chromatographic determination of chloroquine in finger tip blood dried on filter paper: sample handling problems. *Indian J Malariol* 1986; 23: 151–4.
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1987

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4. Choudhury DS, Ghosh SK, Chakraborty T. The use of primaquine in radical treatment of *Plasmodium vivax* malaria. *Indian J Parasitol* 1988; 12: 315–7.
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1989

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