

Publications of Dr. P. Dutta:

Publications on PhD research work:

1. **Dutta, P**, Bhattacharyya,PR, Rabha,AC, Bordoloi, DN, Baruah,NC, Chaudhury,PK, Sharma,RP and Baruah,JN. Feeding deterrents for *Philosamia ricini* (*Samia Cynthia* Subsp. *Ricini*) from *Tithonia diversifolia*. *Phytoparasitica*, 14(1): 77-80,1986.
2. **Dutta, P**, Chaudhury,RP and Sharma,RP. Screening of some plant extracts for feeding deterrent activities against *Diacrisia obliqua* Walker. *J Environ Biol*, 8(4): 333-337, 1987.
3. **Dutta, P**, Chaudhury,RP and Sharma,RP. Screening of some plant extracts for insect feeding deterrence. *J Assam Sci Society*, 32(2): 14-18,1990.
4. **Dutta, P**, Chaudhury, RP and Sharma,RP. Insect feeding deterrents from *Tithonia diversifolia* (Hemsl.) Gray. *J Environ Biol*, 14(1): 27-33,1993.
5. **Dutta, P**, Chaudhury, RP and Sharma,RP. Persistent efficacy of the feeding deterrents of *Tithonia diversifolia* (Hemsl.) Gray against *Diacrisia obliqua* Walker (Lepidoptera: Arctidae). *J Environ Biol*, 14(2): 107-112,1993.

Publications on Malaria/Malaria vectors:

1. Dutta,P, **Khan, S. A**, Bhattacharyya, Khan, A.M., Sharma, C.K and Mahanta, J. Studies on the breeding habitats of the vector mosquito *Anopheles baimai* and its relation to malaria incidence in Northeastern region of India. *Eco Health*, 23 JUL, 2010, 23 Jul, published online
2. **Dutta P**, Baruah BD. Incrimination of *Anopheles minimus* Theobald as a Vector of malaria in Arunachal Pradesh. *Indian J. Malariol.* 24:159-162, 1987.
3. **Dutta P**, Bhattacharyya DR, Dutta LP. Incrimination of *Anopheles dirus*, Peyton and Harrison (*A. balabacensis*) as a vector of malaria in Dibrugarh district, Assam *Indian J Malariol*, 26: 149-152,1989.
4. **Dutta P**, Bhattacharyya DR, Sharma CK, Dutta LP. The importance of *Anopheles dirus* (*A. balabacensis*) as vector of Malaria in North East India. *Indian J Malariol* 1989;26 : 95-101.
5. **Dutta P**, Bhattacharyya DR, Dutta LP. Malaria among bednet users and non-users. *Indian J. Malariol.*1989; 26: 171-172.
6. **Dutta .P**, Bhattacharyya DR. Malaria survey in some parts of Namsang circle of Tirap district Arunachal Pradesh. *J. Commun Dis.*1990; 22:92-97.

7. **Dutta P**, Bhattacharyya DR, Dutta LP. Epidemiological observation on malaria in some parts of Tengakhat Primary Health Centre under Dibrugarh district of Assam. *Indian J Malariol* 1991;28 :121-128.
8. Satyanarayana S, Sharma SK, Chelleng PK, **Dutta P**, Dutta LP, Yadav RNS: Chloroquine resistant *P.falciparum* in Arunachal Pradesh. *Indian J Malariol*. 1991; 28: 137-140.
9. **Dutta P**, Bhattacharyya DR, Sharma CK, Dutta LP. Anopheline fauna of some part of Tirap district, Arunachal Pradesh with particular reference to malaria transmission. *Indian J Med Res*.1992; 9: 245-249.
10. **Dutta P**, Dev V, Bhattacharyya DR. Anopheline fauna and malaria incidence in Changlang district (Arunachal Pradesh) *Indian J. Malariol* 1993; 30 : 135-143.
11. **Dutta P**, Bhattacharyya DR, Khan SA, Sharma CK, Goswami BK. Some observation on malaria in Boko PHC of Kamrup district, Assam. *J Commun Dis* 1994; 26: 52-55.
12. **Dutta P**. and Mahanta J. Incrimination of *Anopheles minimus* as a vector of malaria in Karbi Anglong district of Assam, *Indian J. Malariol*1995; 32:129-131.
13. **Dutta P**, Bhattacharyya DR, Khan SA, Sharma CK, Mahanta J. Feeding pattern of *Anopheles dirus*, the major vector of forest malaria in North East India. *Southeast Asian J Trop Med Public Health* 1996; 27: 378-381.
14. **Dutta P**, Mahanta J. Response of *P. falciparum* to chloroquine in Digboi area of Assam, India. *J Commun Dis* 1996; 28: 212-214.
15. **Dutta P**, Goswami BK, Mahanta J. Multiple invasion of Erythrocytes by *Plasmodium vivax* - A case report. *Indian J Hematol Blood Transfus*. 1997, 15:38-39.
16. **Dutta P**, Khan SA, Sharma CK, Mahanta J. A report on entomological study and malaria vector incrimination in Goalpara district of Assam. *Indian J Malariol* 1997; 34: 204-207.
17. **Dutta P**, Bhattacharyya DR, Khan SA, Sharma CK, Doloi P, Mahanta J. Day time resting behaviour and breeding habits of vectors mosquitoes of Japanese encephalitis, malaria and filariasis in north east India. *Mosq Borne Dis Bull* 1997; 14 :1-6.
18. **Dutta, P**. Khan AM, Mahanta J. Problem of malaria in relation to sociocultural diversity in some ethnic group oa Assam and Arunachal Pradesh. *J Parasitic Dis* 1999; 14(1-2): 101-104.

19. **Dutta P**, Khan AM, Khan SA, Biswas D, Hazarika NC, Mahanta J. Anthropoecosystem and change of environment compounding malaria outbreak in North Lakhimpur district, Assam, bordering Arunachal Pradesh. *J Hum Ecol* 2002,3(5): 345-349.

20. Bora, P.K., **Dutta, P**, Phukan, A.C and Mahanta, J (2004). Health seeking behaviour among the fever cases during an outbreak of malaria in Assam. *J. Hum. Ecol.* 15 (3): 195-197.

21. Bora, P.K., **Dutta, P**, Pegu, P, Phukan, A.C, Hazarika, N.C. and Mahanta, J. (2004). Clinical presentations of malaria during an outbreak Situation. *J. Com. Dis.* 36 (1): 65-69.

Publications on Filariasis/filariasis vectors:

1. **Dutta, P**, Gogoi, B.K, Chelleng, P. K., Bhattacharyya, D. R., Khan, S. A., Goswami, B. K. and J. Mahanta (1995). Filariasis in the labour population of a tea estate in Upper Assam. *Indian J Med Res* 101: 245-246.

2. Khan, A. M., **Dutta, P.**, Khan, S. A., Baruah, N. K., Sharma, C. K. and J. Mahanta (1997). Bancroftian filariasis in a weaving community of lower Assam. *J. Commun. Dis.* 31 (1): 61-62.

3. Khan, A. M., **Dutta, P.**, Khan, S. A., Mohapatra, P. K., Baruah, N. K., Sharma, C. K. and J. Mahanta (1997). Lymphatic filariasis in two distinct communities of Upper Assam. *J. Commun. Dis.* 31 (2): 101-106.

4. **Dutta P**, Bhattacharyya DR, Khan SA, Sharma CK, Doloi P, Mahanta J. Day time resting behaviour and breeding habits of vectors mosquitoes of Japanese encephalitis, malaria and filariasis in north east India. *Mosq Borne Dis Bull* 1997; 14 :1-6.

5. Khan, A. M., **Dutta, P.**, Khan, S. A., Baruah, N. K., Sharma, C. K. and J. Mahanta (1998). Long term effect of diethylcarbamazine citrate on microfilaraemia status in treated individuals. *Indian J Med Res* 108: 134-138.

6. Khan, A. M., **Dutta, P.**, Khan, S. A., Baruah, N. K., Sharma, C. K. and J. Mahanta (1998). Prevalence of bancroftian filariasis in a foothill tea garden of upper Assam. *J. Commun. Dis.* 31 (2): 145-146.

7. Mahanta, B., **Dutta, P.**, Handique, R., Khan, A. M. and J. Mahanta (1998). Socio-cultural habits among teagarden population of Assam in relation to filariasis transmission. *J. Hum. Ecol.* 9 (2): 187-190.

8. Mahanta, B., Handique, R., **Dutta, P.**, Narain, K. and J. Mahanta (1999). Temporal variations in biting density and rhythm of *Culex quinquefasciatus* in tea agro-system of Assam, India. *Southeast Asian J Trop Med Public Health* 30 (4): 804-809.
9. Mahanta, B., Handique, R., **Dutta, P.** and J. Mahanta (1999). Susceptibility status of adult and larval *Culex quinquefasciatus* collected from tea gardens of Assam to different insecticides. *GEObIOS* 26: 195-198.
10. Mahanta, B., Handique, R., **Dutta, P.** and J. Mahanta (2000). Feeding behaviour of *Cx quinquefasciatus* in tea agro- ecosystem of Dibrugarh District, Assam. *Ecol. Env. & Cons.* 6 (1): 39-43.
11. Mahanta, B., Handique, R., Narain, K, **Dutta, P.** and J. Mahanta (2001). Transmission of bancroftian Filariasis in tea-agro ecosystem of Assam, India. *Southeast Asian J Trop Med Public Health* 32 (3): 581-584.
12. Mahanta, B., Handique, R., **Dutta, P.** and J. Mahanta (2001). Reproductive behaviour and breeding habits of *Culex quinquefasciatus* in tea agro ecosystem of Assam, India. *GEObIOS* 28(2-3): 101-104.
13. Mahanta, B., Handique, R., Narain, K, **Dutta, P.** and J. Mahanta (2001). Influence of environmental factors on indoor resting *Culex quinquefasciatus* in tea agro ecosystem of Assam, India. *Entomon* 26(3): 253-263.
14. Mahanta, B., Handique, R., Narain, K, **Dutta, P.** and J. Mahanta (2001). Natural infection with filarial infectivity status of indoor resting *Culex quinquefasciatus* in tea agro ecosystem of Assam, India. *Asian Jr. of Microbiol. Biotech. & Env. Sc.* 3(1-2): 33-36.
15. Khan, A.M, **Dutta, P.**, Khan, S.A and Mahanta, J. (2004). A focus of Lymphatic filariasis in a tea garden worker community of central Assam. *J. Environ. Biol.* 25(4): 437-440.

Publications on Japanese encephalitis:

1. Bhattacharyya, D. R., Handique, R., Dutta, L. P., **Dutta, P.**, Doloi, P., Goswami, B. K., Sharma, C. K. and J. Mahanta (1994). Host feeding patterns of *Culex vishnui* sub group of mosquitoes in Dibrugarh District of Assam. *J. Commun. Dis.* 26 (3): 133-138.
2. Bhattacharyya, D. R., **Dutta, P.**, Khan, S. A., Doloi, P. and B. K. Goswami (1995) Biting cycles of some potential vector mosquitoes of Japanese

- encephalitis of Assam, India. *Southeast Asian J Trop Med Public Health* 26 (1): 177-179.
3. Khan, S. A., Narain Kanwar, Handique, R., **Dutta, P.**, Mahanta, J., Satyanarayana, K. and V. K. Srivastava (1996). Role of some environmental factors in modulating seasonal abundance of potential Japanese encephalitis vectors in Assam, India. *Southeast Asian J Trop Med Public Health* .27 (2): 382-391.
 4. Bhattacharyya, D. R., Handique, R., Prakash, Anil, **Dutta, P.**, Mahanta, J., and V. K. Srivastava (1996). Insecticide susceptibility of potential vectors of Japanese encephalitis in Dibrugarh district, Assam. *J. Commun. Dis.* 28 (1): 67-69.
 5. Khan, Siraj A., **Dutta, P.**, Narain, K., handique, R. and V. K. Srivastava (1996). Studies on daytime resting habits of JE vector mosquitoes in Upper Assam with a note on insecticide susceptibility status. *J. Commun. Dis.* 29 (4): 367-370.
 6. Khan, Siraj A., Narain, K., **Dutta, P.**, Handique, R., Srivastava, V. K. and J. Mahanta (1997). Biting behaviour and biting rhythm of potential Japanese encephalitis vectors in Assam. *J. Commun. Dis.* 20 (2): 109-120.
 7. **Dutta, P.**, Bhattacharyya, D. R., Khan, S. A., Sharma, C. K., Doloi, P. K. and J. Mahanta (1997). Daytime resting and breeding habits of vector mosquitoes of Japanese encephalitis, malaria and filariasis in Northeast India. *Mosquito-Borne Diseases Bulletin* 14 (1-2): 1-6.
 8. **Dutta, P.**, Khan, A.M, Khan, S.A and Mahanta, J. (2003). A study on mosquitoes feeding on cattle and their relation to zoonotic Diseases in Assam. *Indian Vet.J.* 80(12):1225-1229.
 9. **Dutta, P.**, Khan, S.A ,Khan, A.M, and Mahanta, J.(2007). Japanese encephalitis B - virus activity among the porcine population of Assam. *Indian Vet.Journal* 84(11):1125-26.

Publications on Dengue:

1. Bhattacharyya, D.R., Handique, R., **Dutta, P.**, Prakash, Anil. Sharma, C. K., Mahanta, J. and V. K. Srivastava (1996). A preliminary report on larval mosquito survey in Dibrugarh town of Assam. *J. Commun. Dis.* 28 (1): 62-63.
2. **Dutta, P.**, Khan, S. A., Sharma, C. K., Doloi, P., Hazarika, N. C. and J. Mahanta (1998). Distribution of Potential dengue vectors in Major townships along the National highways and trunk roads of Northeast India. *Southeast Asian J Trop Med Public Health* 29 (1): 173-176.

3. **Dutta, P.**, Khan, A. M., Khan, S. A., Sharma, C. K. and J. Mahanta (1999). Manmade environment and the risk of acquiring Dengue in the northeastern part of India: An entomological perspective. *J. Hum. Ecol.* 10 (5-6); 427-429.
4. **Dutta, P.**, Khan, S. A., Khan, A. M., Sharma, C. K., Doloi, P. K. and J. Mahanta (1999). Solid waste pollution and breeding potential of dengue vectors in an urban and industrial environment of Assam. *Journal of Environmental Biology* 20 (4): 343-345.
5. **Dutta, P.**, Khan, S.A, Khan, A.M, Sharma, C.K and Mahanta, J. (2004). Entomological Observations on Dengue vector mosquitoes following a suspected outbreak of Dengue in certain parts of Nagaland with a note on their insecticide susceptibility. *J. Environ. Biol.* 25(2): 209-212.
6. **Dutta, P.** and Mahanta, J. Potential vectors of dengue and the profile of dengue in the northeastern region of India: An Epidemiological perspective. WHO Dengue Bulletin, December, 2006(in press).

Publications on mosquito fauna:

1. Dutta P, **Khan S. A.**, Khan A. M., Sharma C. K. and Mahanta J. An updated checklist species of *Aedes* and *Verrallina* of Northeastern India. *J Am Mos Cont Assoc.* 2010, 26(2):135-140
2. **Dutta, P.**, Khan, S.A., Sharma, C.K., Doloi, P.K. and J. Mahanta (1999). Medically important mosquitoes of the world's largest river island, Majuli, Assam. *Entomon* 24 (1): 33-39.
3. Khan S.A., Handique, R., Tewari, S.C., **Dutta, P.**, Narain, K. and J. Mahanta (1998). Larval ecology and mosquito fauna of Upper Brahmaputra valley, NE India. *Indian J Malariol*, 35: 131-145.
4. Bhattacharyya, D.R., Tewari, S.C., **Dutta, P.** and J. Mahanta (1995). Description of the larva and pupa of *Aedes (Aedimorphus) nigrostriatus* (Diptera: Culicidae). *Mosquito Systematics*, 27(3): 191-196.
5. **Dutta, P.**, Khan, S.A., Sharma, C.K., and J. Mahanta (1997). A report of mosquito fauna survey and vector incrimination in Goalpara district of Assam. *Indian J Malariol.* 34(Dec.): 204-207.
6. **Dutta, P.**, Sharma, C.K., Khan, S.A. and J. Mahanta (1997). Laboratory colonization and maintenance of *Toxorhynchites splendens* (Diptera: Culicidae) with a note on its larval preying capacity. *Entomon* 22(1): 51-54.

7. **Dutta, P**, Khan, S.A, Khan, A.M, Sharma, C.K, Hazarika,N.C and Mahanta, J.(2003). Survey of medically important mosquito fauna in Mizoram. *Entomon* 28(3): 237-240.
8. **Dutta, P**, Khan, S.A, Khan, A.M, Sharma, C.K and Mahanta, J. (2005). Biodiversity of mosquitoes in Manipur and their medical significance. *J.Env.Biol.* 26(3): 531-538.

Publications on other subjects:

- 1) Kanwar Narain, Mahanta,J,Dutta,R and **Dutta,P**. Paddyfield Dermatitis in Assam: A cercarial Dermatitis. *J Commun Dis* 26(1): 23-28(1994).

Papers Accepted for publication:

- 1) **Dutta,P**, Khan,A.M, Khan,S.A, J. Bora, Sharma,C.K and J.Mahanta.(2009). Malaria control in a forest fringe area of Assam,India: A pilot study. *Trans Royal Soc Trop Med Hyg.*
- 2) **Dutta, P**, Khan, S.A, Khan, A.M, Sharma, C.K and Mahanta, J.(2009).Mosquito fauna of Nagaland state, India and their medical significance. *J. Env. Biol.*
- 3) **Dutta, P**, Prakash Anil, Bhattacharyya, D.R., Khan, S.A, Gogoi,P.R.Sharma, C.K and Mahanta, J.(2009).Biodiversity of mosquitoes in Dibru-Saikhowa Biosphere reserve, Assam, India. *J. Env. Biol.*
- 4) **Dutta, P**, Khan, S.A, Khan, Mahanta B. Biodiversity of mosquitoes in the Brahmaputra valley of Assam. Ecology and Biodiversity of rivers and streams of North East India. (Ed. Laishram Kosygin) published by Akansha publishing house, New Delhi 2010 on behalf of Zoological survey of India, 2010.

Papers Communicated:

- 1) **P.Dutta**, S.A. Khan, A.M. Khan, J. Borah, P. Chowdhury and J. Mahanta. First evidence of chikungunya virus infection in Assam: North-east India. *Trans. Royal. Soc Trop. Med. and Hyg.*
- 2) **P. Dutta**, S. A. Khan, A. M. Khan, J. Borah, C. K. Sarmah and J. Mahanta. The effect of insecticide-treated mosquito nets (ITMN) on Japanese Encephalitis Virus seroconversion in pigs and humans. *Am. J. Trop. Med. and Hyg.*
- 3) Siraj Ahmed Khan, **Prafulla Dutta**, Jani Borah, Abdul Mabood Khan, Pritom Chowdhury, Pabitra Kumar Doloi, Jagdish Mahanta. Co-circulation and concurrent infection with two Dengue virus serotypes during the first outbreak of dengue in Indo-Myanmar border. *Journal of Medical Virology*

- 4) Siraj Ahmed Khan, **Prafulla Dutta**, Jani Borah, Abdul Mabood Khan, Pritom Chowdhury, Pabitra Kumar Doloi, Jagdish Mahanta. Co-circulation and concurrent infection with two Dengue virus serotypes during the first outbreak of dengue in Indo-Myanmar border. *Journal of Medical Virology*

Popular articles published:

1. **Dutta,P.** ` Encephalitis` (In Assamese) *Prantik* 22: 26-28,1989.
1. **Dutta,P.** ` Durarogya byadhi AIDS Aru Iyar Bhayabahata` (In assamese)- Dreaded disease AIDS and its virulence *Prantik* vol X No.13: 33-38,1991.
2. **Dutta,P.** ` Uttarpurbanchalat dengue jhar hoar sambhabaniata` (In assamese)- Probability of an outbreak of Dengue in Northeastern region of India *Prantik* vol XVI 2: 27-28,1996.
3. **Dutta,P.** ` Asomor Bhaugalik pariyesh Aru Malaria Rog` (In assamese)- Geographical situation of Assam and Malaria published in Newspaper `Amar Asom` 19th June,1999.
4. **Dutta,P.** ` Malaria biyopuoah moh` (in assamese)- Malaria transmitting mosquitoes *Prantik* XVIII: 25-26,1999.
5. **Dutta,P.** ` Leptospirosis or Attanka` (In assamese)- Fear of Leptospirosis *Prantik* 16 September,2000:23-24.

Documents published;

1. A comprehensive Guide Book published during a refresher course on malaria by Dr L.P. Dutta and Dr P.Dutta (ed), Regional Medical Research Center (ICMR), Dibrugarh, 1990.
2. A monograph on "Mosquito Fauna of Northeast India with special reference to the Medically important vectors" by Dr.P.Dutta, Dr. Siraj A. Khan, Dr. A. M. Khan, Dr. J. Mahanta, Regional Medical Research Center (ICMR), Dibrugarh, 2003.