

Research Interest:

Molecular biology of Anopheline vector species and their insecticide resistance status
Development of nanotechnology based herbal Mosquito Repellent

EDUCATION

PhD (2015)

Pharmaceutical Sciences
(Punjabi University, Patiala, Punjab)

M. Pharm (2008) & B. Pharm (2005)

Pharmaceutical Sciences
(Guru Jambheshwar University of Science and Technology, Hisar Haryana)

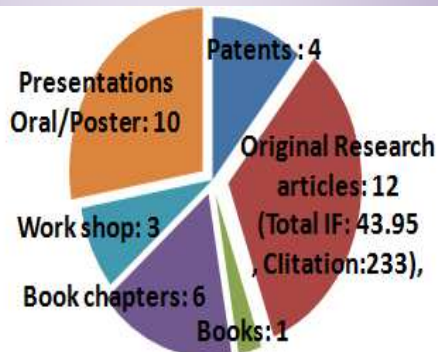
Gate (2006)

IIT, Kharagpur

IPR, WIPO (2007)

(Online course)

RESEARCH OUTCOMES



Personal Details

Father's Name : Sh. Suraj Bhan.
Date of Birth : 17th Oct. 1982.
Gender : Male.
Marital Status : Married.
Nationality : Indian.
Languages : English, Hindi.
Address : Village: Dhani Kumharan, P.O. Moth, Teh. Narnaund, Dist. Hisar (Haryana)-125039

AWARDS & MEMBER:

- CSIR-SRF (2011),
- Best New Comer of the Year 2016 (Venus Medicine Research Center, Industry),
- Excellent award for teaching (2010)

PROFILE:

- Research scientist serving ICMR-National Institute of Malaria Research Field station Guwahati since November 2016.
- Temporary Adviser (WHO) at Fifth Meeting of the Greater Mekong Subregion (GMS) Therapeutic Efficacy Studies (TES) Network, Ho Chi Minh City, Viet Nam, 28-29 September 2017.
- Actively engaged in North East India as a Field researcher on vector born diseases offering versatile skills in epidemiology and entomological aspects of malaria and other VBDs.
- Assistant Manager (F R&D) at Venus Remedies Ltd (May 2015-November 2016).
- Nano-based targeting drug delivery systems and Pharmacokinetic/ Pharmacodynamic, *In silico* studies, Quality by Design approach.

KEY SKILLS:

- | | Epidemiology | Entomology |
|---------------------|--|--|
| ➤ Field skill | Mass blood survey, therapeutic efficacy study Field work in Tripura, Mizoram, Assam and Meghalaya | Mosquito collection/Identification, Light trap, field trainings. |
| ➤ Lab skills | Microscopic examination, Molecular characterization:PCR, Maldi TOF, | Calculation of entomological indices |
| ➤ Regulatory Skills | Good Clinical Laboratory practices (GLP), Good Documentation practices (GDP), Quality Assurance Guidelines | |

Research Publications:

Sr. no.	Publication	Impact factor (JCR/Thomson Reuters)
1.	Lubricant formulation of carbamoyl ethyl katira and a process for preparation thereof. R Vikas, R Sharma, S Kamboj, K Singh , S Suresh Grant Date 05.05.2020	US Patent 10,639,274
2.	Kuldeep Singh , A.K. Tiwary, Vikas Rana (2013). Ethylenediaminediacetic acid bis(carbido amide chitosan): Synthesis, characterization and evaluation as solid carrier to fabricate nanoemulsion. <i>Carbohydrate Polymers</i> 95(1) :303-14. (ISSN: 0144-8617)	7.18
3.	Kuldeep Singh , A.K. Tiwary, Vikas Rana (2013). Spray dried chitosan-EDTA superior microparticles as solid substrate for the oral delivery of Amphotericin B. <i>International Journal of Biological Macromolecules</i> . 58 :310-9. (ISSN: 0141-8130)	5.16
4.	Kuldeep Singh , Rajat Suri, A. K. Tiwary, Vikas Rana (2012). Chitosan films: crosslinking with EDTA modifies physicochemical and mechanical properties <i>Journal of Materials Science: Materials in Medicine</i> . 23(3) : 687-695. (ISSN: 0957-4530-Print version; ISSN: 1573-4838)	2.46
5.	Sunil Kamboj, Radhika Sharma, Kuldeep Singh , Vikas Rana (2013). Aprepitant loaded solid preconcentrated microemulsion for enhanced bioavailability: A comparison with micronized Aprepitant. <i>European Journal of Pharmaceutical Sciences</i> . 78 : 90-102. (ISSN: 0928-0987)	3.77

PROJECTS HANDLED: As PI:3 (ICMR, WHO, CSIR); CO PI:04