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Dr. Sen is an M.Pharm, PhD from Jadavpur University, Kolkata. He is having twenty nine years work experience in different fields of pharmacy including industry, teaching etc. He is life member of professional bodies like Association of Pharmaceutical Teachers of India (APTI), Indian Society for Technical Education (ISTE). He has successfully guided more than twenty postgraduate students and three PhD students (Thesis submitted) and is currently guiding five PhD students.

**Area of Research:** Dosage form design and method validation.

**Publications Details:**

1. Sougata Jana, **Kalyan K Sen**, Sanat K Basu, Chitosan Derivatives and Their Application in Pharmaceutical Fields, International Journal of Pharmaceutical Research 2011, Volume 3, Issue 2, 1-8.
2. Arindam Das, Sougata Jana, Nirmal Maji, **Kalyan kumar Sen**, Sanat kumar Basu, Gellan gum and its versatile approaches in drug delivery system, International Journal of Drug Formulation & Research Mar.-Apr. 2011, Vol. 2(2) 43-59.
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6. **Kalyan Kumar Sen**, Sanat Kumar Basu and Sadhan Kumar Dutta: Binding Studies of Lamotrigine with Sera of Different Animal Species, Tropical Journal of Pharmaceutical Research, October 2009 (vol. 8, no. 5) 409-415
7. Amit Kumar Nayak, Bibek Laha, **Kalyan Kumar Sen** Development of hydroxyapatite-ciprofloxacin bone-implants using »Quality by design« Acta Pharm. **61** (2011) 25–36
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12. Amit Kumar Nayak, Biswaranjan Mohanty, **Kalyan Kumar Sen**, Comparative Evaluation of In Vitro Diclofenac Sodium Permeability Across Excised Mouse Skin From Different Common Pharmaceutical Vehicles; IJPRIF Vol.2, No.1, pp 920-930,
13. Amit Kumar Nayak,, Jadupati Malakar, and **Kalyan Kumar Sen**, Gastroretentive drug delivery technologies: Current approaches and future potential, J Pharm Educ Res Vol. 1, Issue No. 2, December 2010, 1-12
14. Amit Kumar Nayak, Ajoy Bhattacharyya, and **Kalyan Kumar Sen**, In Vivo Ciprofloxacin Release from Hydroxyapatite-Based Bone Implants in Rabbit Tibia: A Preliminary Study, ISRN Orthopedics, Volume 2011, Article ID 420549, 4 pages, doi:10.5402/2011/420549

15. Shiv Sankar Bhattacharya, **Kalyan Kumar Sen**, Suma Oommen Sen, Subham Banerjee, Santanu Kaity, Ashoke Kumar Ghosh & Animesh Ghosh (2011): Synthesis and Characterization of Poly(acrylic acid)/modified Bentonite Superabsorbent Polymer, *International Journal of Polymeric Materials*, 60:13, 1015-1025
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22. Biswas R, Das S, Sen KK, Formulation and characterization of chitosan coated liposome as potential delivery system for oral administration of Therapeutic Proteins, *Int J Drug Formulation Res.* 2012; 3(4): 57-77. [ISSN 2229-5054]
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28. A Review on 1, 2, 4 – Triazoles. Subhasis Banerjee\*<sup>1</sup>, Swastika Ganguly<sup>2</sup>, Kalyan Kumar Sen<sup>1</sup>. Journal of Advanced Pharmacy Education & Research. 2013, 3 (3), 102-115.
29. Subhasis Banerjee<sup>1\*</sup>, Swastika Ganguly<sup>2</sup>, Kalyan Kumar Sen<sup>3</sup>. Synthesis and Biological Evaluation of Some Novel Triazole Derivatives. International Journal of Pharmaceutical Applications.2013, 4(2), 49-62.
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Kumar Basu, *Colloids and Surface B: Biointerface*, 2014; 114: 36-44. (impact factor-3.554; ISSN-0927-7765)

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36. Development of chitosan-based nanoparticles through inter-polymeric complexation for oral drug delivery: Sougata Jana, Nirmal Maji, Amit Kumar Nayak, Kalyan Kumar Sen, Sanat Kumar Basu. *Carbohydrate Polymers*, 2013; 98: 870-876 (impact factor-3.479; ISSN 0144-8617)

#### **Details of Book Published:**

1. Marine Microorganisms and their Versatile Applications of Bioactive Compounds.(Chapter-22): Sougata Jana, Arijit Gandhi, Samrat Chakraborty, **Kalyan K Sen**, Sanat K Basu.

Book:-Marine Microbiology.Bioactive Compounds and Biotechnological Applications [Kim, Se-Kwon (Ed.)], Edition July **2013** , page 379-391 (ISBN 978-3-527-33327) - Wiley-VCH, Weinheim.

2. Biomedical application of chitin and chitosan derivatives. (Chapter-18): Sougata Jana, Arijit Gandhi, **Kalyan K Sen**, Sanat K Basu.

Book:- Chitin and Chitosan Derivatives: Advances in Drug Discovery and Developments, Se-kwon Kim (Editor). Publisher: CRC Press; ( Taylor & Francis Group.), Edition (December 4, **2013**)

**Research paper Presented:**

1) one oral presentation at I.P.C. 2002 at Pune “Studies on interaction of Diclofenac sodium with bovine serum albumin”, S K Dutta, S K Basu & K K Sen, Abstract no: F-8

2) One oral presentation “ Interaction of lamivudine with bovine serum albumin at different temperature, pH and ionic Strength” S K Dutta, S K Basu & K K Sen, at I.P.C.2006 Mumbai