

## **FACULTY PROFILE**

**Name:** DR. PRASANTA KUMAR BISWAL

**Qualification:** B.Pharm (KMIPSC, Sambalpur University, in 2003),  
M.Pharm (Pharmaceutics: UDPS, Utkal University, in 2005),  
Ph. D. (Pharmacy): (Berhampur University in 2015),  
MBA (Sambalpur University, 2016)  
B. Sc. (Chemistry, Utkal University)

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**Designation:** Assistant Professor (Senior)  
Gayatri college of Pharmacy, Jamadarpali,  
Sambalpur, Orissa, INDIA

**Experience:** From 06-09-2005 to present.  
Total of 12 yrs. of teaching and research experience.

**Research area of interest/expertise:**

Solid dispersion  
Matrix tablet  
Microemulsion  
Self-emulsified drug delivery system  
Nanosuspension

**Research Guidance:**

M.pharma- 20  
B.Pharma- 48



## Research publications:

1. **P. K. Biswal**, N. R. Pani, P. K. Dixit, Effects of carbohydrate polymers in self-micro emulsified tablets on the bioavailability of Atorvastatin: in vitro - in vivo study, *Life Sci.* 2015 Aug 15; 135:92-100. (Elsevier, life sciences 15).Impact factor: 2.7.
2. **P.K. Biswal**, B. Mishra, S.B. Swain, S. Sahoo, R. Mohapatra, Banerjee. Formulation and evaluation of Ondansetron HCl loaded nanoparticles. *Journal of Teaching and Research in Chemistry, An International Journal*, 2009.
3. S. Sahoo, B. Mishra, **P. K. Biswal**, O. Panda, S. K. Mahapatra, G. K. Jana. Fast dissolving tablet: As a potential drug delivery. *Drug invention today*, 2010, 2(2)130-133.
4. B. Mishra, S. Sahoo, **P. K. Biswal**, S. K. Sahu, B. C. Behera, G. K. Jana. Formulation and evaluation of torsemide intragastric buoyant sustained release microsphere. *Journal of Pharmaceutical Research*, 2010, 3(4), 742-746.
5. S. Mistry, **P. K. Biswal**, B. Mishra, S Sahoo. Isolation, Characterization and Pharmaceutical evaluation of the mucilage from *Polyalthia suberosa* leaves. *International Journal of Pharm Tech Research*, April-June 2010. Vol.2, No.2, pp 1455-1459.
6. **P.K.Biswal**, S.Patra, R.K.Kar, S.Mohapatra and B.B.Barik, Inclusion Complexes of Celecoxib with Beta-Cyclodextrins. *Journal of Teaching and Research in Chemistry,An International Journal*, December 2006.

## Conference Proceedings: Published as Abstracts

- **P.K.Biswal**, T.Majhi, N.R.Pani, P.K.Dixit, Optimization of self micro emulsion tablet to improve oral bioavailability of cinnarizine: in-vitro and in-vivo study. 67th Indian pharmaceutical congress Mysore, December 2015.
- **P.K.Biswal**,N.R.Pani,B.Dash S.C.Dinda, Design, Development &Optimization of SEDDS Formulation of Atorvastatin by  $2^3$  factorial design, IAPST Calcutta -2014
- **P.K. Biswal**, B. Mishra. N. R. Pani, M. R. Mahapatra. "Development and Characterization of aqueous HPMC-Polacrilin K Fast dissolving Films Plasticized with Polyol". 65th International Pharmaceutical Congress- New Delhi, 2013.
- **P.K.Biswal**. N.R.Pani B.Mishra, S.Sahoo, Design, development optimization of Atorvastatin by  $2^3$  factorial. (2011 AAPS Annual Meeting and Exposition).
- **P.K.Biswal**, B.Mishra, S.Sahoo, A.K.Mishra, S.S.Nayak. "Development, Characterization and Solubility study of Solid Dispersion of Pioglitazone HCl".AICTE Sponsored National Seminar in S.O.A University, PCS-046, Dec 2010.

- **P.K.Biswal**, S.Sahoo N.R.Pani, B.Mishra, S.K.Mohapatra. “Selection of superdisintegrant for the development of fast dissolving tablet of Tramadol HCl”. 62<sup>th</sup> International Pharmaceutical Congress, A 639, Manipal, 2010.
- **P.K.Biswal**, S.K.Mohanty, B.Mishra, S.Sahoo, B.Panda and S.K.Mohapatra, “Preparation of gelatin microspheres containing Diltiazem HCl – Effect of cross- linking on drug release”. 1<sup>st</sup> Orissa Pharmaceutical Conference, PHP-27, 2010.
- **P.K.Biswal**, P.Mohapatra, B.Mishra, S.Sahoo, S.K.Naik, “Intragastric Buoyant Microsphere of Pioglitazone: Formulation and In-vitro Evaluation”. 1<sup>st</sup> Orissa Pharmaceutical Conference –PHP-26, 2010.
- **P.K.Biswal**, S.K.Panigrahi, B.Mishra, S.B.swain, S.Sahoo and B.C.Behera “Ondansetron Hydrochloride loaded Eudragit RS100 nanoparticles for sustained release”. 1<sup>st</sup> Orissa Pharmaceutical Conference –PHP-25, 2010.
- **P.K.Biswal**, R. Karna, S. Mistry, B.Mishra, S. N. Das, S.Sahoo. “Isolation, characterization and pharmaceutical evaluation of the mucilage from *Polyalthia Suberosa* leaves”. 1<sup>st</sup> Orissa Pharmaceutical Conference –PGP-10, 2010.
- **P.K.Biswal**, S.Sahoo N.R.Pani, B.Mishra, P.R.Mahapatra. “Formulation & evaluation fast disintegrating tablet of Tramadol HCl”. AICTE Sponsored National Seminar in S.O.A University, PCS-044, Dec 2010.
- **P.K.Biswal**, B.Mishra, N.R.Pani, H.Saxsena, S.Sahoo, M.R.Mahapatra. “Formulation & evaluation of Fast dissolving films of Lamotrigine”. AICTE Sponsored National Seminar in S.O.A University, PCS-045, Dec 2010.
- **P.K.Biswal**, S.Pattanaik, S.K.Mohapatra, B.Mishra, S.B.Swain, B.R.Behera. “Formulation development and in-vitro evaluation of Ibuprofen dispersible tablet” UGC/AICTE sponsored National seminar, PP-20, Berhampur, February 2008.
- **P. K. Biswal**, B. R. Behera, B. Mishra, S. DasMohapatra, “Comparative spectrophotometrical analysis and microbiological assay of Levofloxacin from tablet dosage form”. International Pharmaceutical Congress- F 18, 2007.
- **P. K. Biswal**, B. Mishra, S. K. Mohapatra, B. R. Behera, “Design, development and in-vitro evaluation of Ibuprofen gel for topical delivery”. International Pharmaceutical Congress- A 41, 2007.
- **P.K.Biswal**, D.K.Mohapatra, S.B.Swain, B.Mishra. “Poloy (acrylic acid-coacrylamide) (AA-CO-AAM) nanoparticles for controlled delivery of anticancer drug Doxorubicin” AICTE sponsored National seminar, Berhampur, PO-19, July 2007.

**Reviewer by Invitation/acted:**

1. Invited Reviewer of Drug Delivery, (Informa Healthcare, Taylor and Francis, impact factor 2.961).

2. Invited Reviewer of Colloids and Surfaces B: Biointerfaces (Elsevier; Impact Factor: 4.287).
3. Invited Reviewer of Current Drug Delivery (Benthamscience; Impact Factor: 3.916).
4. Invited Reviewer of IJPPS (innovareacademics; Impact Factor: 3.916).

**Member of Professional bodies:**

1. APTI Lifetime member-OR/LM/252
2. Orissa Pharmacy council-14662

**(DR PRASANTA KUMAR BISWAL)**

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