



- Name** : Dr Sonal Dubey Sharma
- Designation** : Vice Principal/ Professor/ HOD Pharm. Chemistry
- Qualification (pertinent)** : M. Pharm (Pharm. Chemistry), PhD.
- Professional Memberships** : Life member of  
Indian pharmaceutical Association : Membership No. **PU/LM/066**  
Association of Pharmaceutical Teachers of India: Membership No. **KA/887**
- Experience (years)** : *Academic:* 13 *Industry: (if any)* Nil
- Areas of Interest** : *Medicinal Chemistry, Drug Design, Synthetic chemistry and Phytochemistry*
- Total Publications** : *Journal: (Provide numbers)* 42 *Proceedings: (Provide numbers)*
- Projects Guided** : *M Pharm: (nos.)* 16+2 (co-guided) *PhD: (Nos.):*2
- Selected Publications** :
1. **Sonal Dubey** and Pradnya A. Bhosle, Pyridazinone: an important element of pharmacophore possessing broad spectrum of activity, *Med Chem Res* (2015) 24:3579–3598. DOI 10.1007/s00044-015-1398-5
  2. **Sonal Dubey**, Nahid Abbas, G. Goutham, Pradnya A. Bhosle, [QSAR modeling of bifunctional quinolonyldiketo acid derivatives as integrase inhibitors](#), *Medicinal Chemistry Research*, (2012), 21, (7), 964-973 DOI: 10.1007/s00044-011-9593-5
  3. A. J. Rajamma, [Sonal Dubey](#), [S. B. Sateesha](#), [S. N. Tiwari](#), [S. K. Ghosh](#). Comparative larvicidal activity of different species of *Ocimum* against *Culex Quinquefasciatus*. *Natural Product Research*, (2011) **25** (20), 1916-1922 DOI: 10.1080/14786419.2010.551755.
  4. **Sonal Dubey**, G. Gowtham, Multidimensional QSAR Modeling of Amprenavir Derivatives as HIV-Protease Inhibitors, *Open Journal of Medicinal Chemistry*, (2011), **1(1)**, 1-15. DOI: 10.4236/ojmc.2011.11001
  5. **Sonal Dubey**, Parmeet Kaur, D. P. Jindal, Y. D. Satyanarayan and Poonam Piplani, 'Synthesis and QSAR Studies of 16-(3-methoxy-4-substituted)benzylideneandrostene Derivatives As Anticancer Agents' *Indian Journal of Chemistry*, (2010), **49B**, 948-955.
  6. Bijaya Ghosh, Kaushal Dave, **Sonal Dubey** and K. Pallavi, 'Synthesis and evaluation of esmolol prodrugs for transdermal delivery', *Drug Delivery* (2010), **17**, 532-540. doi:10.3109/10717544.2010.490248
  7. **Sonal Dubey**, Amit K. Sharma, D.P. Jindal, Alan Harvey, Randhir Singh, S.L. Bodhankar, Synthesis and neuromuscular blocking activity of 16-(2- and 3-pyridylmethylene)dehydroepiandrosterone derivatives, *Steroids*, (2010), **75** 323–329. **Sonal Dubey**, Y.D. Satyanarayan and Harshita Lavania,
  8. Development of Integrase Inhibitors For Treatment Of Aids: An

Overview, *European Journal of Medicinal Chemistry*, (2007) **42**, 1159-1168.

9. **Sonal Dubey**, Development of Steroidal Aromatase Inhibitors, *Current Enzyme Inhibition* (2006) **2**, 189-198.
10. **Sonal Dubey**, Poonam Piplani, and D. P. Jindal, Synthesis and *in vitro* Antineoplastic Evaluation of certain 16-(*para*-substituted)benzylidene Androst-5-ene Derivatives, *Chemistry and Biodiversity* (2004) **1**, 1529-1536

**Selected Proceedings** : *Select any 5 of your best proceedings - prefer the ones with citations or awards*

- Academic honor/ professional accolades** :
- **Second prize** in poster presentation entitled '**A Comparative Quantitative Structure Activity Relationship Studies of 2,5,6-trisubstitutedimidazo(2,1-*b*)-1,3,4-thiadiazole As Anticancer Agent, Using Codessa® And V-Life®Softwares**' at Indo-US lecture series on Discrete Mathematical Chemistry, held on 6<sup>th</sup>-9<sup>th</sup> Jan. 2009 at Department of Chemistry, NizamCollege,Hyderabad.
  - **Best Paper Presentation award** in the field of medicinal Chemistry at 51<sup>st</sup> Indian Pharmaceutical Congress held at Indore, India in 1999 for the paper entitled "**Synthesis and Antineoplastic activity of Steroidal Alkylated Oximes**"
  - PDF (**RA**), awarded by council of scientific and industrial research, India.(2004-05)
  - **Senior Research Fellowship**, awarded by council of scientific and industrial research, India.(1999-2003)
  - **Post-graduate Fellowship**, awarded by University Grants Commission, India (1996-98).

**Second Rank** in Panjab University in M. Pharm.

**Books / Book Chapters authored** : Bijaya Ghosh and **Sonal Dubey**, "Basic concepts in Pharmaceutical Research", CBS Publishers and distributors Pvt. Ltd., New Delhi, India. [ISBN: 978-81-239-1815-0]

**Grants** : **Research Grants Completed:**

- Principal Investigator for research project entitled '**QSAR, Design And Synthesis of Potential HIV-1 Inhibitors**' sanctioned under SERC FAST Track, Department of Science and Technology, Govt. of India, New Delhi vide department sanction letter No. SR/FT/LS-013/2007 dated 14/11/2007. Total cost of Project:Rs 8.03 Lakhs
- Co- Principal Investigator for research project entitled '**Design, Synthesis And QSAR Studies Of Some Heterocyclic Compounds For Their Anti HIV And Cytotoxic Activity**' sanctioned under Research Promotion Scheme by AICTE, Govt. of India, New Delhi, vide sanction letter No. F.No. 8023/BOR/RID/RPS-169 2008-2009 dated.12-03-2009. Total cost of Project: Rs 17.2 Lakhs

**On going:**

- Principal Investigator for research project entitled "sanctioned by Rajiv Gandhi University of Health Sciences, **Karnataka**, order letter No. **RGU: Adv. Res.: Proposal-P-151:2015-16** Dated:**06/01/2016**. Total cost of the project: Rs 12 Lakhs.

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