

Name of the Faculty member- **Dr. Pradeep Pilonia**

Designation- **Assistant Professor**

Department- **Chemistry**

Qualifications- **M.Sc., Ph.D., CSIR-JRF, SRF, CSIR-RA**

Total teaching experience (in years) - **10years**

Institute of doctoral degree- **University of Rajasthan, Jaipur**

Research experience as Research Supervisor (in years)- **-NIL-**

Number of Research papers/Articles published- **16**

Details of published article-

1. Quantitative structure-activity relationship Study of potent estrogen receptor- $\beta$  ligands: The derivatives of diphenolicazole; Sharma B K, **Pilonia P**, Sharma S K, Singh P, Sharma S; *Int J Chem Sci* **2007**, 5, 669-682. **Impact factor:0.134**
2. CP-MLR directed QSAR study of carbonic anhydrase inhibitors: sulfonamide and sulfamate inhibitors; Sharma B K, **Pilonia P**, Singh P, Sharma S, Prabhakar Y S; *Cent Eur J Chem* **2009**, 7, 909-922. **Impact factor:1.850**
3. Modeling of cyclooxygenase-2 and 5-lipoxygenase inhibitory activity of apoptosis-inducing agents potentially useful in prostate cancer chemotherapy: Derivatives of diarylpyrazole; Sharma B K, **Pilonia P**, Singh P; *J Enz Inhib Med Chem* **2009**, 24(2), 607-615. **Impact factor:4.673**
4. Modeling of the growth hormone secretagogue receptor antagonistic activity using chemometric tools; Sharma S, Sharma B K, **Pilonia P**, Singh P, Prabhakar Y S; *J Enz Inhib Med Chem* **2009**, 24, 1024-1033. **Impact factor:4.673**
5. A qsar study on ATP-sensitive potassium channel openers: the derivatives of 3-alkylamino-4H-1, 2, 4-benzothiadiazine 1, 1-dioxide; Sharma B K, Sharma S K, **Pilonia P**, Singh P, Prabhakar Y S; *Int J Chem Sci* **2009**, 7, 655-671. **Impact factor:0.134**
6. Chemometric descriptors in modeling the carbonic anhydrase inhibition activity of sulfonamide and sulfamate derivatives; Sharma B K, **Pilonia P**, Sarbhai K, Singh P, Prabhakar Y S; *Mol Divers* **2010**, 14, 371-384. **Impact factor:2.060**
7. Combinatorial protocol in multiple linear regression/partial least-squares directed rationale for the caspase-3 inhibition activity of isoquinoline-1,3,4-trione derivatives; Sharma B K, **Pilonia P**, Singh P, Prabhakar Y S; *SAR-QSAR Environ Res* **2010**, 21, 169-185. **Impact factor:2.053**
8. A rationale for the activity profile of benzenesulfonamide derivatives as cyclooxygenase (COX) inhibitors; Sharma B K, Singh P, Shekhawat M, **Pilonia P**; *Eur J Med Chem* **2010**, 45, 2389-2395. **Impact factor:5.572**



9. QSAR rationales for the 1,2-Diarylcyclopentenes as prostaglandin EP<sub>1</sub> receptor antagonists: potentially useful in the treatment of inflammatory pain; Sharma B K, **Pilania P**, Singh P; *Eur J Chem*, **2010**, 1(4), 325-334. **Impact factor:0.640**
10. CP-MLR/PLS directed QSAR study on apical sodium-codependent bile acid transporter inhibition activity of benzothiepinines; Sharma B K, Singh P, **Pilania P**, Sarbhai K, Prabhakar Y S; *Mol Divers*; **2011**, 15, 135-147. **Impact factor:2.060**
11. A QSAR study on 2-(4-Methylpiperazin-1-yl)quinoxalines as human histamine H<sub>4</sub> receptor ligands; Sharma B K, **Pilania P**, Singh P, Prabhakar Y S; *J Enz Inhib Med Chem*, **2011**, 26(3), 412-421. **Impact factor:4.673**
12. QSAR study on 5-lipoxygenase activating protein (FLAP) inhibitors: The derivative of 2,2-bisaryl-bicycloheptane; Sharma B K, **Pilania P**, Singh P; *Lett Drug Des Dis*, **2011**, 8, 32-43. **Impact factor:1.169**
13. QSAR of 2-(4-methylsulfonyl-phenyl)pyrimidine derivatives as cyclooxygenase-2 inhibitors: simple structural fragments as potential modulators of activity; Sharma B K, Singh P, **Pilania P**, Shekhawat M, Prabhakar Y S; *J Enz Inhib Med Chem*, **2012**, 27, 249-260. **Impact factor:4.673**
14. A QSAR study on cFMS inhibitors as potential anti-inflammatory agents: the 2'-Aminoanilide derivatives; Sharma B K, Singh P, **Pilania P**, Yashwant; *Amer J Pharm Health Res*, **2013**, 1, 18-34. **Impact factor:0.640**
15. A QSAR study on 5-HT<sub>6</sub> receptor antagonists: the 3,4-dihydro-2H benzo[1,4] oxazines.; Choudhary M, **Pilania P**, Sharma B K; *J Chem Pharm Res*, **2015**, 7, 2422-2433. **Impact factor:0.543**
16. QSAR Rationales for the 5-HT<sub>2A</sub> Receptor Antagonistic Activity of 2-Alkyl-4-aryl-Pyrimidine Fused Heterocycles; Choudhary M, **Pilania P**, Sharma B K; *Res J Pharm Biol Chem Sci*, **2015**, 6, 326-338. **Impact factor:0.350**

#### No. of Books published- **01**

\*Underpublication: **Textbook of Physical Chemistry**, B.Sc. Part-III, *Jaipur Publishing House*, Jaipur.

#### No. of book chapters/papers in proceedings- **01**

Details of published article-

##### 1. *Recent Trends in Chemical and Environmental Sciences*

CP-MLR directed QSAR study on pyrido[2,3-b]pyrazine-3(4H)-one derivatives as potent aldose reductase inhibitors. (**Accepted** under publication)

#### Conference attended (Invited Talk OR Presented Paper) - **09**

##### **International**

1. International Conference on Multidisciplinary Approaches to Diabetes Research & Health (**ICMADRH-2010**), University of Rajasthan, *Jaipur*: November 14-16, 2010.
2. Embracing the Other: Rediscovering Mahatma Gandhi and the Power of Non-violence, M.L.V. Govt. P.G. College, *Bhilwara*: September 20-21, 2019.
3. International Conference on Emerging Challenges Their Solutions and Recent Advances in Science (**SCICON-1**), Govt. Science P.G. College, *Sikar*: October 4-5, 2019.

4. 1<sup>st</sup> SSHA International Conference on Status of Vulnerable Sections in Society and Justice Through Constitution and Social Engineering, PDUS University & Govt. Arts P.G. College, *Sikar*: November 29-30, 2019.
5. Recent Trends in Chemistry and Environment (**RTCE-2021**), M.S.J. Govt. P.G. College, *Bharatpur*: March 5-6, 2020.

### **National**

1. National Conference on Environmental Challenges, Human Health and Society (**NCEHS-2016**), University of Rajasthan, *Jaipur*: September 8-10, 2016.
2. Recent Trends in Environmental Sustainability and Green Practices (**RTESGP-2019**), Govt. P.G. College, *Bundi*: November 15-16, 2019.
3. National Conference on Higher Education and Sustainable Development Goals (**HESDG-2019**), Seth RLS Govt. P.G. College, Kaladera, *Jaipur*: December 6-7, 2019.
4. National Seminar on Water conservation: Management Techniques and Awareness, *Sikar*: January 17-18, 2019.

Research projects handled- **-NIL-**

Member of BOS, Academic council- **No**

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