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INDUSTRIAL DESIGN REGISTRATIONS: One Registered with Indian Patent Office in the Expertise of Pre-clinical Pharmacology.

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LIST OF PUBLICATIONS

1. **Gilhotra Neeraj** and Dhingra Dinesh. Possible involvement of GABAergic and nitriergic systems for antianxiety- like activity of piperine in unstressed and stressed mice. *Pharmacological Reports*, 2014, 66, 885-891. [IF – 2.4]
2. Sharma V, Gilhotra R, Dhingra D and **Gilhotra Neeraj**. Possible underlying influence of p38MAPK and NF-kB in diminished anti-anxiety effect of diazepam in stressed mice. *Journal of Pharmacological Sciences*, 2011, 116, 257-263. [IF – 2.26]
3. **Gilhotra Neeraj** and Dhingra Dinesh. Thymoquinone produced antianxiety-like effects in mice through modulation of GABA and NO levels. *Pharmacological Reports*, 2011, 63(3), 660-669. [IF – 2.5]
4. **Gilhotra Neeraj** and Dhingra Dinesh. Nitriergic and GABAergic modulation by curcumin for its antianxiety activity in mice. *Brain Research*, 2010, 1352, 167-175. [IF – 2.9]
5. **Gilhotra Neeraj**, Jain Harshita and Dhingra Dinesh “Differential effects of nitric oxide synthase inhibitors on anxiety in unstressed and stressed mice. *Indian Journal of Experimental Biology*, 2010, 48(4), 365 - 372. [IF – 0.75]
6. **Gilhotra Neeraj** and Dhingra Dinesh. Involvement of NO-cGMP pathway in antianxiety effect of aminoguanidine in stressed mice. *Progress in Neuropsychopharmacology and Biological Psychiatry*, 2009, 33, 1502- 1507. [IF – 3.24]
7. Gilhotra RM, **Gilhotra Neeraj**, Mishra DN “Piroxicam Bioadhesive Ocular Inserts: Physicochemical Characterization and Implementation in Prostaglandin-Induced Inflammation”. *Current Eye Research*, 2009, 34(12): 1065–1073. [IF – 1.66]
8. **Gilhotra Neeraj**, Sharma A, Singh M and Dhingra Dinesh, Involvement of p38MAPKinase in attenuation of antinociceptive effect of morphine, *Indian Journal of Experimental Biology*, 2007, 45, 654 - 656. [IF – 0.75]
9. Ritu Mehra Gilhotra, Neeraj Gilhotra, D. N. Mishra. A hydrogel– forming bioadhesive ocular minitabket for the management of microbial Keratitis. *Asian J Pharm Sci* 2010, 5 (1): 19-25. [ISSN: 1818-0876]

10. Gilhotra Ritu Mehra, Mathur Manish, Saroot Rashi, Gilhotra Neeraj and Mishra D. N. Enhancement of mitotic potential of pilocarpine by tamarind gum based in-situ gelling ocular dosage form. *Acta Pharma Scientia*, 2010, 52: 145-154. [ISSN –1307-2080]
11. **Gilhotra Neeraj** and Dhingra Dinesh, Neurochemical modulation of anxiety disorders. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2010, 2, 1-6. [ISSN- 0975 – 1491]
12. Sakir Mohammed, Vashistha Bharat, Jain Harshita, Mathur Manish, Gilhotra Ritu and **Gilhotra Neeraj**, Pharmaco-economics: a community empowerment tool and a pharmacovigilance primer. *The Pharma Review - Special Issue on Clinical Trials and Pharmacovigilance*, 2009 (May) 57 – 61. [ISSN – 0973-399X]
13. Gilhotra Ritu Mehra, **Gilhotra Neeraj** and Mishra DN, Effect of Collagen Cross-linking in Collagen Corneal Shields on Sustained Release and ex vivo Antimicrobial Efficacy of Gatifloxacin sesquehydrate, *The Pharma Review*, 2008, 147 – 149. [ISSN – 0973-399X]
14. **Gilhotra Neeraj** and Dhingra Dinesh, A review on Antianxiety plants, *Natural Product Radiance*, 2008, 7(5): 476 - 483. [ISSN: 0972-592X]
15. **Gilhotra Neeraj** and Maheshwary KK, You Must Know It, When You Practice Pharmacovigilance, *Journal of Pharmacovigilance and Drug Safety*, 2005, 48.
16. Gilhotra Ritu, Pal Harish and **Gilhotra Neeraj**, Vigilant Use of Herbalism, *The Pharma Review*, 2005, 3 (15), 117 - 124. [ISSN – 0973-399X]
17. **Gilhotra Neeraj**, Clinical Research: A Refreshing Career for Young Pharmacists, *The Pharma Review*, 2006, 10, 41 - 43. [ISSN – 0973-399X]
18. Gilhotra Ritu, **Gilhotra Neeraj**, Kaushik Deepak, Gupta Meenal and Dureja Harish, Alternative Insulin Delivery Systems, *Pharmaceutical Reviews*, 4 (5), <http://www.pharmainfo.net>, 2006.
19. **Gilhotra Neeraj** and Singh Rajender, Safety Monitoring of Medicinal Products: The Science of Pharmacovigilance, *The Indian Pharmacist*, 2005, 8, 21 - 26. [ISSN, 0972-7914]
20. **Gilhotra Neeraj**, B'ordi Detti and Rajender Sra “Children and Herbal Medicines: What to Seek for a Vigilant Drug Use” in *The Indian Pharmacist*, 2006, June 13-17. [ISSN, 0972-7914]
21. **Gilhotra Neeraj**, Hospital Administration, *Indian Journal of Hospital Pharmacy*, 2000, 102 - 103. [ISSN: 0019-526X]
22. Gilhotra RM , **Gilhotra Neeraj**, Mishra D N, Quantum Dots - A new facet of nanotechnology in therapeutics. *Pharmabuzz*, 2009, 4 (1) 42 – 46.
23. Gilhotra RM , **Gilhotra Neeraj** and Mishra D N Ophthalmic drug delivery systems – Trends and Advances in Veterinary Medicine, *Agro Vet Buzz*, 2009; 2: 36-41.
24. Gilhotra RM, Mathur M, **Gilhotra Neeraj** and Mishra D N, TQM and Six Sigma in health care industry, *Pharmabuzz*, 2009, 4 (2), 16 – 20.
25. **Gilhotra Neeraj**, Goel Shakti and Gilhotra Ritu. Attenuation of Antinociceptive Effect of Morphine in Diabetic Mice: Nitric Oxide or Interleukin-2? *International Journal of Pharmacy and Pharmaceutical Sciences*, 2015, 4 (In Press). [ISSN: 0019-526X]
26. Yadav Shalini and **Gilhotra Neeraj**. Non–receptor mediated anxiolysis by amino guanidine: a novel activity and synergy with diazepam under stressed conditions. *Asian Journal of Pharmaceutical and Clinical Research*, 2015, 8, 211-216. [ISSN: 0974-2441]
27. Malik Ritu and **Gilhotra Neeraj**. A novel non–receptor and non-GABAergic antianxiety-like activity of forskolin: synergy with diazepam. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2015, 7, 200-203. [ISSN 0975 - 1491]

28. Goyal Anjali, Goel Shakti and **Gilhotra Neeraj**. Comparative availability of selected essential medicines for selected common ailments in Sonipat City. *International Journal of Pharma Research and Health Sciences*, 2015, 1, 544- 550. [ISSN: 2348-6465]
29. Shalini Yadav, Shakti Goel and **Neeraj Gilhotra**. A novel antianxiety- like activity of amino guanidine in stressed mice: evidence of regulation by NO: cGMP modulation. *International Journal of Development Research*, 2015, 5, 3721-3728. [ISSN: 2230-9926]
30. Chokar Seema, Sharma Meena and **Gilhotra Neeraj**. A cross-sectional study on medicine utilization practices of selected community of Kabirpur town of Haryana State. *International Journal of Pharmacy and Therapeutics*, 2015, (In Press). [ISSN: 0976-0342]
31. Rajesh, Goyal Anjali, Shashikant, Chokar Seema and **Gilhotra Neeraj**. Investigation on Public Knowledge, Attitude and Practice of Medicine Utilization in Kabirpur Town of Haryana State, India. *American Journal of Pharmacy and Health Research*, 2015 (In Press) [ISSN: 2321-3647]
32. Goyal Anjali, **Gilhotra Neeraj**. Pharmacoeconomics of selected essential medicines in soipat city. Comparative availability of selected essential medicines for selected common ailments in Sonipat City. *Journal of Applied Pharmceutical Sciences*, 2015, **In Press**.

PARTICIPATIONS AND PRESENTATIONS IN SEMINARS / CONFERENCES / SYMPOSIA

1. 2nd National Conference of Urban Health Society of India on Urban Health: Opportunity for Multisector Partnership on April 4 – 5, 2015 at IIHMR University, Jaipur.
2. National Conference on Advancements, opportunities, and future vision of Indian scenario of pharmaceutical education and research at Rayat and Bahra Institute of Pharmacy on April 3, 2015.
3. International Conference of Molecular Pharmacology, Drug Discovery and Nanopharmaceuticals at Chitkara University, India on 27 - 28 March, 2015.
4. National Conference on Therapeutic Potential of Natural Products: Current Innovations and Future Trends at M D University, Rohtak on March 19, 2015.
5. IHPA 51ST Annual Conference on Present Scenario and Future Prospects in Health Care Practices at M. M. University, India on 13 -14 March, 2015.
6. Indian Pharmacological Society Conference on Recent Pharmacological Trends for Shaping Future of Drug Discovery and Development at M M University, India on 17 -18 October, 2014.
7. Convention on “Climate Change and Water” at Suresh Gyan Vihar University, Jaipur, India, From October 10 - 12, 2012.
8. International Training Course on “Promoting Rational Use of Drugs in the Community” At Institute of Health Management Research, Jaipur, India on Feb. 27 – March 10, 2011.
9. National Conference on Drug Discovery, Development and Clinical trials at Shoolini University, Solan in June 26-27, 2010.
10. International Symposium on “The Future Vision and Challenges in Pharmacy Profession” at Birla Auditorium, Jaipur on September 18-19, 2010.
11. 14th Annual Conference of Association of Pharmaceutical Teachers of India at Lachoo Memorial college of Science and Technology, Jodhpur, Rajasthan, India on Oct 3-4, 2009.
12. National Seminar on Recent Advances in Bio-Sciences at School of Biosciences, Gyan Vihar University, Jaipur, India on Jan 19 – 20, 2009.
13. Indian Pharmaceutical Congress- 2007 at Banaras Hindu University, Varanasi, India
14. National Pharmaceutical Conference on “Shifting Horizon: Pharmaceutical Industry” at Indian Institute of Health Management Research, Jaipur, India. 2006.

15. Annual Conference of Society of Pharmacovigilance, Department of Pharmaceutical Sciences, MJR University, Bareilly, U.P., India on January 22-23, 2005.
16. National Seminar on Emerging Trends in Research and Business Management of Medicinal and Aromatic Plants, CCS HAU, Hisar, Haryana, India on March 4-5, 2005.
17. National Seminar on Emerging Trends in Research and Business Management of Medicinal and Aromatic Plants, CCS HAU, Hisar, Haryana, India on March 11-13, 2003.
18. National Pharmacy Symposium, Department of Pharmaceutical Sciences, Jiwaji University, Gwalior, Madhya Pradesh, India on February 21-22, 2004.
19. National Seminar on Management of Alzheimer's Disease at Department of Pharmaceutical Sciences, Guru Jambheshwar University, Hisar, Haryana, India.
20. Annual Conference of Indian Pharmacological Society, Gandhinagar, Gujarat, India on December 28 - 30, 2000.

PRESENTATIONS

1. **Gilhotra Neeraj**, "Role of TNF-Alpha in Diabetes-Induced Attenuation of Antinociceptive Effect of Morphine" Presented in Annual Conference of Indian Pharmacological Society, at K.B. institute of pharmaceutical education and research, Gandhinagar on 28th-30th December, 2000.
2. **Gilhotra Neeraj**, Clinical Uses of Ginkgo biloba – Endless Perspectives" at National Seminar on Emerging Trends in Research and Business Management of Medicinal and Aromatic Plants at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 11-13, 2003.
3. Mehta Vinisha, Asija Bindu and **Gilhotra Neeraj**, Biotechnology and Bioinformatics Potentiated Pharmacy: A Students' Approach" Abstracted at National Pharmacy Symposium, School of studies in pharmaceutical sciences Jiwaji University, Gwalior, India on February, 21 – 22, 2004.
4. Aneja Meenu, Gilhotra Ritu, Kishore Kamal and **Gilhotra Neeraj**, Suspected Adverse Reactions To 'Safe' Traditional Medicines" in 4th Annual Conference of Society of Pharmacovigilance, at Department of Pharmacy, MJP Rohilkhand University, Bareilly, U.P., India on January 22 – 23, 2005.
5. **Gilhotra Neeraj**, Consumer Care in Indian Pharmacy – Exploring the Path in Annual Conference of International Pharmaceutical Federation, The Netherlands.
6. **Gilhotra Neeraj**, Singh Amanpreet, Singh Iqbal and LuvKush, A Biopharmaceutical Demand – Pathological Induction of Drugs vs Laboratory Values at 17th All India Conference of Indian Pharmacy Graduates' Association (IPGA) at Madurai Medical College, Madurai T.N., India on September, 13 – 14, 1997.
7. **Gilhotra Neeraj** and Gilhotra Ritu, Garlic – the Spice of Life at National Seminar on Emerging Trends in Research and Business Management of Medicinal and Aromatic Plants at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 11-13, 2003.
8. Arora Anshul and **Gilhotra Neeraj** "Pharmaceutical Practice of Biotechnology Drugs: An Observation" at National Pharmacy Symposium, School of studies in pharmaceutical sciences Jiwaji University, Gwalior, India on February 21 - 22, 2004.
9. **Gilhotra Neeraj** "Bio-technology and Bio-informatics: A Pharmaceutical Vision" at National Pharmacy Symposium, School of Studies in Pharmaceutical Sciences Jiwaji University, Gwalior, India on February 21 - 22, 2004.
10. Detti Bordi, Arora Bharti, Madan Sunil, Gilhotra Ritu, Goyal Surinder and **Gilhotra Neeraj**, "Communicating The Adverse Effects: A Model of Community Persual" in 4th Annual Conference of Society of Pharmacovigilance, at Department of Pharmacy, MJP Rohilkhand University, Bareilly, U.P., India on January 22 – 23, 2005.

11. **Gilhotra Neeraj**, Goyal Surinder and Aggawal Raj “Possible Impacts of Over the Counter Medication and Herbal Remedies in Pregnancy” in 4th Annual Conference of Society of Pharmacovigilance, at Department of Pharmacy, MJP Rohilkhand University, Bareilly, U.P., India on January 22 – 23, 2005.
12. Pulstey Aeges, Arora Bharti, Madan Sunil, Arora Anshul, Mehta Vinisha and **Gilhotra Neeraj** “Self Medication in Sirsa: A Questionnaire Based Study” in 4th Annual Conference of Society of Pharmacovigilance, at Department of Pharmacy, MJP Rohilkhand University, Bareilly, U.P., India on January 22 – 23, 2005.
13. **Gilhotra Neeraj** Digestive Stimulant Action of Spices: A Myth or Reality? At National Seminar on Role of Medicinal and Aromatic Plants in Ayurveda, Unani and Siddha systems of Medicine at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 4 - 5, 2005.
14. Gilhotra Ritu, Goyal Surinder and **Gilhotra Neeraj**, Lac – A Versatile Resin, at National Seminar on Role of Medicinal and Aromatic Plants in Ayurveda, Unani and Siddha systems of Medicine at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 4 - 5, 2005.
15. Mehra Ritu and **Gilhotra Neeraj**, Pharmaceutical perspectives of Mentha piperita at National Seminar on Role of Medicinal and Aromatic Plants in Ayurveda, Unani and Siddha systems of Medicine at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 4 - 5, 2005.
16. Goyal Surinder, Mehra Ritu and **Gilhotra Neeraj** “Natural Dyes – A New Market” at National Seminar on Role of Medicinal and Aromatic Plants in Ayurveda, Unani and Siddha systems of Medicine at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 4 - 5, 2005.
17. Arora Bharti, Mehra Ritu and **Gilhotra Neeraj**, Natural Foods and Medicines – are they safe to consume, at National Seminar on Role of Medicinal and Aromatic Plants in Ayurveda, Unani and Siddha systems of Medicine at Department of Plant Breeding, CCS HAU, Hisar, Haryana, India on March 4 - 5, 2005.
18. Mathur Manish, Gilhotra Ritu, **Gilhotra Neeraj** and Ahuja Manish, Indomethacin embedded in polymeric ocular films: preparation, characterization and ocular anti-inflammatory studies, at 60th Indian Pharmaceutical Congress at Netaji Subhash Institute of Technology, New Delhi, on December 12 – 14, 2008.
19. Harshita Jain and **Gilhotra Neeraj**, “Relationship between IL-2 and Nitric oxide in restorative effect of cyclosporine on diabetes-attenuated antinociceptive effect of morphine in diabetic mice” at 14th Annual Conference of Association of Pharmaceutical Teachers of India (APTI) at Lachoo Memorial College of Science and Technology, Jodhpur, India. October, 3-4, 2009.
20. Munajjam Arshee and **Gilhotra Neeraj**, An update on preclinical evaluation and Clinical development of natural antiepileptics in India at National Seminar on Recent trends in Biosciences, School of Biosciences, Gyan Vihar University, Jaipur, India on Jan 19-20, 2009.
21. Bharat Vashist and **Gilhotra Neeraj**, Zoo-pharmacognosy – safe plants with awaited efficacy studies at National Seminar on Recent trends in Biosciences, School of Biosciences, Gyan Vihar University, Jaipur, India on Jan 19-20, 2009.
22. Lekh Raj, Ritu M Gilhotra, **Neeraj Gilhotra**, DN Mishra “Ricin- Deadly Plant in Bioterrorism” at 13th National Convention of Indian Society of Pharmacognosy, Department of Pharmacy, Barkatullah University, Bhopal, 462026 (M.P.) India on February 15 – 16, 2009.
23. Bhardwaj Vishvapriya, **Gilhotra Neeraj**, Gilhotra Ritu Mehra, Microparticulate, nano, vesicular, colloidal and lipid based drug carriers – An overview and Comparison at I Rajasthan Congress of Biosciences and National Seminar on Future strategies for Biological Research on January 19-20, 2009.

24. Gora Sutlan S, **Gilhotra Neeraj**, Gilhotra Ritu Mehra, Buccal mucosa as a route for systemic drug delivery at First Rajasthan Congress of Biosciences and National Seminar on Future strategies for Biological Research on January 19-20, 2009.
25. Sharma Richa, Mathur Manish and **Gilhotra Neeraj**, Increasing exploration of natural anti-hyperglycemic resources for their antioxidant potential at First Rajasthan Congress of Biosciences and National Seminar on Future strategies for Biological Research on January 19-20, 2009.
26. Gupta Saurabh, Gilhotra Ritu Mehra and **Gilhotra N K**, Role of biotechnology in Pharmacy at First Rajasthan Congress of Biosciences and National Seminar on Future strategies for Biological Research on January 19-20, 2009.
27. Gargi Harit, Gilhotra Ritu Mehra and **Gilhotra N K**, Bioterrorism- a new face of terrorism. At First Rajasthan Congress of Biosciences and National Seminar on Future strategies for Biological Research on January 19-20, 2009.
28. Thakur Vikas, Gilhotra Ritu Mehra and **Gilhotra N K**, Neutraceuticals – An Overview at First Rajasthan Congress of Biosciences and National Seminar on Future strategies for Biological Research on January 19-20, 2009.
29. **Gilhotra Neeraj** and Dhingra Dinesh. “Involvement of inducible nitric oxide synthase in antianxiety effect of curcumin” presented at 14th Annual Conference of Association of Pharmaceutical Teachers of India (APTI) at Lachoo Memorial College of Science and Technology, Jodhpur, India. October, 3-4, 2009.
30. Suneja M, Gilhotra R and **Gilhotra Neeraj**. “Availability and relative price paid for branded medicines for common ailments in twenty areas (260 pharmacy outlets) of Jaipur City at International Symposium on “The Future Vision and Challenges in Pharmacy Profession” at Birla Auditorium, Jaipur on September 18-19, 2010.
31. **Neeraj Gilhotra** and Ritu Gilhotra. Elevated Tunnel Maze: India’s own maze for measurement of anxiety. Annual Conference of APTI, Haryana. August 22-23, 2014.
32. Vipin Sharma, Sezal, Ritu Gilhotra and **Neeraj Gilhotra**. Diminished anti-anxiety effect of diazepam in stressed mice under influence of p38mapkinase. Annual conference of APTI Haryana. August 22-23, 2014.
33. Vipin Sharma, Seema Chokar, Ritu Gilhotra, **Neeraj Gilhotra**. Possible underlying influence of NF- κ B in the diminished Anti-anxiety effect of diazepam in stressed mice. Annual Conference of APTI Haryana. August 22-23, 2014
34. Sant Lal, Ritu Gilhotra, and **Neeraj Gilhotra**. Differential modulation by neurochemicals of anxiety Disorders. Annual conference of APTI Haryana. August 22-23, 2014
35. Shashikant Agrawal, Shakti Goel, **Neeraj Gilhotra**. Mouth Ulcer Protection by Jasminum Grandiflorum. Annual conference of APTI Haryana. August 22-23, 2014
36. SweetHooda, Ritu Gilhotra and **Neeraj Gilhotra**. What, when and how of the promotion of rational use of Medicine. Annual conference of APTI Haryana. August 22-23, 2014
37. Anjali Goyal, Ritu Gilhotra and **Neeraj Gilhotra**. Availability and relative price paid for branded medicines for common ailments in ten areas (100 pharmacy outlets) of Sonapat district. Annual conference of APTI Haryana on August 22-23, 2014
38. Goyal Manoj and **Gilhotra Neeraj**. Attenuation of antinociceptive effect of morphine in diabetic mice: IL-2 or NO? IHPA 51ST Annual Conference on Present Scenario and Future Prospects in Health Care Practices at M. M. University, India on 13 -14 March, 2015.
39. **Gilhotra Neeraj**. Comparative availability of essential medicines for common ailments. IHPA 51ST Annual Conference on Present Scenario and Future Prospects in Health Care Practices at M. M. University, India on 13 -14 March, 2015.

40. **Gilhotra Neeraj**. Pharmacological Evaluation of Thymoquinone, an active constituent of *Nigella Sativa* for antianxiety- like activity in mice at National Conference on Therapeutic Potential of Natural Products: Current Innovations and Future Trends at M D University, Rohtak on March 19, 2015.
41. Goel Shakti and **Gilhotra Neeraj**. Possible role of iNOS in antianxiety- like activity of curcumin in mice at National Conference on Therapeutic Potential of Natural Products: Current Innovations and Future Trends at M D University, Rohtak on March 19, 2015.

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