


Title	Prof	Name	S. S. Agrawal	Photograph
<b>Designation</b>	<b>Gp. Dy. Pro Vice Chancellor and Professor and Advisor (Health &amp; Allied Sciences Domain),</b> Amity University Uttar Pradesh, Noida. Looking after cluster of Institutions of Health and Allied Sciences such as Pharmacy, Physiotherapy, Physiology & Allied Sciences and Occupational Therapy and involved in creating new Institutions such as Amity Institute of Public Health & Amity Institute of Hospital Administration. Amity Institute of Nursing (In process) Opened 4 new Pharmacy courses			
<b>Office Address</b>	Amity University, Sector 125, Noida.			
<b>Phone No Office</b>	01204392491, 9810084606/3.			
<b>Residence</b>	366, Hauz Khas Apartment, SFS (DDA) Flats, New Delhi, 110016			<b>DOB :</b> 1 <sup>st</sup> Aug 1946
<b>Educational Qualifications</b>				
<b>Degree</b>	<b>Institution</b>			<b>Year</b>
M.Sc. & Ph.D. Pharmacology	<b>All India Institute of Medical Sciences (AIIMS)</b>			1977 1969
Awarded Honorary D.Sc Degree	<b>Rajiv Gandhi Technical University - Bhopal</b>			2007
<b>TEACHING EXPERIENCE: more than 46 years till date</b>				
<b>Undergraduate teaching</b>				
34 years at DIPSAR erstwhile known as college of Pharmacy.				
<b>Post-Graduate teaching:</b>				
M.Pharm, M.D, M Sc , and Ph D				
34 years at College of Pharmacy (DIPSAR)				
5 years at All India Institute of Medical Sciences (AIIMS).				
<b>RESEARCH EXPERIENCE:</b>				
The number of independent / co-authored research paper published: <b>(132 Research Articles, 91 Abstracts)</b>				
Total no. Students guided for postgraduate research (dissertation): <b>211</b>				
Total no. Students guided for doctoral. (Thesis)                                 : <b>30</b>				
Current doctoral registration   : <b>04</b>				
Current master of pharmacy thesis under supervision:                                 : <b>04 (to be registered)</b>				
<b>Patents</b>				
Patents filled: <b>05 nos with AIP &amp; 01 with AIPT.</b>				

1. Indian Application No. 1026/DEL/2011 dated 8<sup>th</sup> April' 2012 entitled "**Novel Composition of Androgen & Estrogen for Hypoactive Sexual Desire Disorders**" by Prof. S.S. Agrawal
2. Indian Application No. 1025/DEL/2011 dated 8<sup>th</sup> April' 2012 entitled "**Novel Composition of Progesterone & Estrogen and Methods for Delivery**" by Prof. S.S. Agrawal
3. One patent is filled on **July' 2013** "**Formulation and Evaluation on Transdermal Patch for Sildenafil Citrate**" by Prof. S.S. Agrawal & Mr. Dheeraj Nagpal
4. "**Synthesis of a novel compounds with different heterocyclic rings having angiotensin II receptor antagonist activity**".
5. One patent is filed on **October' 2013** – "**Development of Caffeine Tablet with Antioxidants & Sweating agent & Milk**"
6. **CRN 1112** filed as provisional patent, "**A device for management and/or Treatment of joint Inflammation**", Reference number - 369DEL/2014 Dr. Mayank Shukla & Prof. S.S. Agrawal.

**Granted** (Till date): **4**

**Applied** (Till date): **25** (List enclosed with main bio data)

#### **Career Profile**

**Till Date – Gp. Dy. Pro Vice Chancellor and Professor & Advisor** – Health & Allied Sciences Domain, Amity University, Uttar Pradesh

**May 2012 - Pro Vice-chancellor, Amity university, Uttar Pradesh**

**September, 2011 - May 2012: Director General (Academics, Innovation and Research), Amity University, Uttar Pradesh**

**September, 2009 - August, 2011: Project Director, Delhi Pharmaceutical Sciences and Research University, Director-Prof DIPSAR , Head Dept. of Pharmacy – Delhi University**

**April 1995 - Sep, 2009: Principal/ Director, DIPSAR, Govt. of Delhi, New Delhi- Duly selected through UPSC.**

**April 1990 - May 1998: Professor, Pharmacy (Pharmacology) DIPSAR, New Delhi- Duly selected through UPSC.**

**January 1984- March 1990: Assistant Professor, Pharmacy (Pharmacology) DIPSAR, Govt. of Delhi, New Delhi.**

**August 1976- December 1984: Lecturer, Pharmacy (Pharmacology), DIPSAR, (Formerly known as College of Pharmacy), Govt. of Delhi, New Delhi - Duly selected through UPSC.**

**1972- 1976: Research Officer, AIIMS, New Delhi.**

**1972: Pharmaceutical chemist to Maulana Azad Medical College- Duly selected through UPSC.**

**1969- 1972: DGHS Fellow**

## Some of the Administrative Duties as Pro Vice-chancellor, Amity University, Uttar Pradesh.

1<sup>st</sup> September, 2011 – May 2012: Pro Vice-chancellor, Amity university, Uttar Pradesh

As Director General/Advisor/Mentor :- Health & Allied Sciences Domain

1. Amity Institute of **Pharmacy** (AIP)
  - Amity Institute of **Physiotherapy** (AIPT)
  - Amity Institute of **Hospital Administration** (AIHA)
  - Amity Institute of **Public Health** (AIPH)
  - Amity Institute of **Physiology and Allied Sciences** (AIPAS)
  - Amity Institute of **Occupational therapy** (AIOT)
  - **Mentee** - Amity Institute for **Environmental Toxicology, Safety and Management** (AIETSM) and Amity Institute of **Geo-Informatics & Remote Sensing** (AIGIRS)
  - **Chairman** - **Equivalence** Committee
  - **Member** - **Academic Council** of Amity University
  - **Member** - **University Research Council** of Amity University
  - **Member** - **Admission Committee** of Amity University
  - **Member** - **Finance Committee** of Amity University
  - **Member** - **Planning Board** of Amity University
  - **Infrastructure Creations:** Opening of **Indian Postal services** in with unique postal code in Amity University and with sale of forms of Amity University etc.

### Activities as Pro Vice Chancellor/ DG, Amity University

**2012:** Amity institute of pharmacy (AIP) got **approval of Pharmacy Council of India.**

**2012:** Animal house got **approval of Breeding of animals & demonstration** of experiments from CPCSEA (Ministry of forest and environment).

**2012:** Admission of **Lateral entry in B Pharm IIIrd Semester** has been started.

**2012:** Syllabus of all the **7 discipline of MPharm courses have been revised** as per the recent advances by national level committee.

**2012:** Five faculty members got **registered in PhD** in pharmaceutical sciences.

**2012:** started **weekly seminar of MPharm, PhD students and faculty members on every Thursday and large no of guest lectures are arranged from dignitaries from India and abroad.**

**2012:** started 03 new specializations in MPT.

**2012:** OPD clinic- regular for outside patient has been started on ground floor.

**2012:** Conduction of rehabilitation Day on 7<sup>th</sup> Sep.

**2012:** Opening of new Institutions: **Amity Institute of Hospital Administration.**

**2012: Master of Public Health:** Course approved

**2012: Amity institute of physiology and Allied Sciences-** the institute has recently established BSc in medical physiology and MSc in medical physiology.

#### **Administrative Duties as Project Director at Delhi Pharmaceutical Sciences & Research University, New Delhi.**

**1<sup>st</sup> September, 2009 - 1<sup>st</sup> September, 2011: Project Director, Delhi Pharmaceutical Sciences and Research University. Director-Prof DIPSAR , Head Dept. of Pharmacy – Delhi University**

- Instrumental in **Creating of Pharmaceutical Sciences and Research University**, bill enacted **by an Act of Delhi Legislative Assembly – The only University in Pharmaceutical Sciences** in India – Perhaps in the world.
- **Constitution and Approval of Board of Governors.**
- **Allocation of fund (Rs. 100 Crores) and NOC from Urban Art Commotion, MCD, Fire Services and Airport authority of India for Construction 8+1 stories Building for housing 8-10 departments of the university.**
- **Creation of temporary office for University.**
- Key instrumentation in Identification of **28 acres of land for University campus** in Gadaipur & Jaunapur Village, New Delhi. **The land belongs for academic purposes by DDA. Allotment of the land is in process from gram panchayt.**

#### **Administrative Duties as Principal/ Director at Delhi Institute of Pharmaceutical Sciences & Research (DIPSAR), New Delhi.**

- **Conversion of College of Pharmacy into a Research cum Teaching Institute** in the name of Delhi Institute of Pharmaceutical sciences and research (DIPSAR) of national level.
- **Academic administration, Research, Conduction of UG and PG classes.**
- **Admissions (B.Pharm, M.Pharm, Ph.D. and D.Pharm courses).**
- **Updating syllabus of B.Pharm and M.Pharm courses.**
- **Establishment of 10 New drug research laboratories** for Conduction of research in various fields like **Anti-fertility and Infertility, Screening of anticancer agent, Screening of Hepatoprotective agents, Novel drug delivery systems- Transdermal Drug Delivery System, Clinical Research Department, NDDS, Radioimmunology Assay, Genome And Anticancer, Ocular Pharmacology Laboratories** for studies Research in treatment of **Glaucoma and Cataract, Standardization of Unani drugs** under ISM scheme of Govt. of India etc.

- Up gradation of infrastructural facilities in various labs like, **Modern Instrumentation, ISM** , Introduction of New M. Pharm courses in **Quality Assurance, Pharmaceutical Chemistry, Clinical Research, Pharmaceutical Management and Herbal Drug Technology**.
- **Modernization of 17 research laboratories.**
- Making State of art first floor of **Animal House, Food Court ,Gymnasium, Sports complex, Seminar Room, State of the Art Guest House, Multipurpose Hall, Four Girls and Two Boys Hostel, SBI-ATM, Two Water Harvesting Systems ,Musical Fountain, 24hrs Solar Water Heating System. Swimming Pool, Renovation of 4 Deliberation Halls with Air-Conditioning & Modern Audio-Visual Aids, Air-Conditioning of Library.**
- Creation of two new **Information Technology centres.**
- Establishment of **Medicine information centre and Poison Antidote Information Centre (MAPIC) and National Tuberculosis Data Management Centre (Deptt. Of Biotechnology, GOI).**
- Automation of Institute (**Administration, accounts, admission, library, examinations, stores etc.**).
- **Academic administration, Research, Conduction of UG and PG classes.**
- **Admissions** (B. Pharm, M. Pharm, Ph.D. and D. Pharm courses).
- **Updating syllabus of B.Pharm and M.Pharm courses.**
- Conduction of research in various fields like **Anti-fertility and Infertility** , Screening of **Hepatoprotective agents, Novel drug delivery systems- TDDS studies, Indian System of Medicine, Research in treatment of Glaucoma and Catract**, etc.
- Up gradation of infrastructural facilities in various labs like, Modern Instrumentation lab, ISM lab, clinical research department, RIA lab, genome and anticancer lab, ocular pharmacology Laboratory.
- Introduction of New M. Pharm courses in Quality Assurance, Pharmaceutical Chemistry, and Clinical Research. Two M. Pharm courses in pipeline with AICTE i.e-Pharmaceutical Management and Herbal Drug Technology (approved by Academic Council of Delhi University).
- Establishment of Medicine and Antidote Poison Information Centre (MAPIC) and National Tuberculosis Data Management Centre (Deptt. of Biotechnology, GOI).
- Automation of Institute (Administration, account, admission, library, examination, stores etc.).
- Construction 8+1 PG block is in pipeline

#### **Duties as Dean, Faculty of Science, University of Delhi, New Delhi.**

#### **1996 – 1999: Dean, Faculty of Science University of Delhi, New Delhi.**

- Looked after the **policy matters pertaining to 10 Science Departments** viz. Botany, Anthropology, Geology, Zoology, Physics, Chemistry, Pharmacy, Nursing, Physiotherapy and Agrochemical. **Besides this, Science subjects are taught in about 42 colleges of Delhi University.**
- **Also served as Chairman / Member of large number of Committees of Delhi University**, to mention

a few as under:

- **Member, Executive Council**
- **Member, Delhi University Court**
- **Member, Academic Council**
- **Member, Board of Research Studies**
- **Chairman, Faculty of Science.**
- **Chairman, Courses Committee for under Graduate, Post Graduate and Research Studies in Pharmacy.**
- **Member Governing bodies of (a) Patel Chest Institute (b) B. R. Ambedkar Centre for Biomedical Research.**

**Instrumental in upgrading** Diploma in **Physiotherapy & occupational** courses into Bachelor in **Physiotherapy and Occupational course** and Diploma in Orthotic & Prosthetic into Degree course and Instrumental in getting created the Masters in Agro-chemicals.

**Was actively involved in opening** new Bachelor's in Institute of Physically handicap (Ministry of Social Welfare, Delhi) , **Amar Jyoti Institute of Physiotherapy** , Shahadra.

Served as department representative at UPSC for recruitment to the post of lecturer/ asst. professor/ Professor – 2003.

Served as subject expert member, Jiwaji university- 2003.

#### Area of Research interest/ specialization

**Antifertility, Infertility, Anticancer, Transdermal drug delivery systems, Hypertension**

#### Subjects Taught

Pharmacology and Physiology at the undergraduate and post graduate levels.

#### Research Guidance

Post Graduate students (M.Pharm)

Year1983

1. **“Pharmacological studies of the mixed fatty acids obtained from the seed of *Elaeocarpus Ganitrus*. Roxb.”** By: Ashish Kumar Das Gupta.

Year 1984

2. **“Effect of herbal extract of Cinkara (Amu-III) on alcohol and carbontetrachloride induced liver damage in albino rats”** by: Sanjay Dhawan.
3. **“Anti-arthritis – anti-inflammatory effect of orally administered metal complexes”** by Subir Bowmick.

Year1985

4. **“Some C.N.S. and other pharmacological effects of newly synthesized barbiturate-Sulfonamide**

**compounds**” by: Sunita Jolly.

5. **“Phytochemical and pharmacological studies on active principles isolated from the flowers of *Rhodendron arboreum*”** by: Suresh Chand Sharma.

**Year 1987**

7. **“Studies of effect of various Chemical Constituents of *Phyllanthus niruri* Linn on alcohol induced liver cell injury”** by Virendra Kumar

8. **“Pharmacological and Pharmacognostical Studies on *Cassia Surratensis*”** by : Sushama Rani

9. **“Pharmacological studies on Flowers of *Rhododendron arborium*”** by : Kalpana Sharma.

**Year 1988**

10. **“Anti-asthmatic studies on *Balamcando chenensis*** by: Vinay Sharma.

11. **“Hypoglycaemic studies on *Phyllanthus niruri*”** by: Sanjeev Miglani.

**Year 1990**

12. **“Hepatoprotective studies on Embelica rives and Eclipta alba on paracetamol and country made liquor induced liver cell damage in rats”** by : Nahida Tabbasum

13. **“Hepatoprotective studies on Phyllanthin and Hypophyllanthin isolated form *Phyullanthus niruri* and *Terminalia arjuna* against country made liquor and Paracetamol induced liver cell damage in Rats.”** by: Sushma

**Year 1991**

14. **“Hepato protective studies on *Cassia occidentalis* and *Terminalia arjuna* on Paracetamol and Country made liquor induced liver cell damage in Rats.”** by: Kiran Dubey

15. **“Hepato protective studies on *Terninalia arjuna* and *Embelia ribes* in Albino Rats”** by : Shyam Sunder Sharma

16. **“Structure activity relationship of various Clonidine molecules”** by : Sandeep Kumar

**Year 1992**

17. **“Antifertility activity of H<sub>2</sub> receptor antagonist – Cimetidine, Ranitidine, Famotidine”** by : S. Arvinda

18. **“Studies on K – Channel modulators on Frog rectus abdominous muscles”** by : Neeraj Pant

19. **“Epithelium derived relaxant factors – modulation by drugs”** by : Rashmi Suri

20. **“Hepatoprotective studies on *Fumaria officinalis*”** by : Mahinder Kumar

21. **“Hepatoprotective studies on *Zingiber officinale* in albino mice and rats”** by: Jai Prakash.

**Year 1993**

22. **“K-Channel Openers – comparative study and their interaction with d-tubocuraine on frog rectus abdominus muscle”** by : Sanjay Sharma

23. **"Effect of Bronco relaxant drugs on comparative sensitivity on Guinea pig epithelium"** by : Pankaj Arora

24. **"Antifertility Studies on Famotidine"** by : Balvinder Singh

#### Year 1994

25. **"Antifertility studies with Famotidine and Anti-inflammatory studies with *Ocimum bascilicum*"** by : Raj Kamal Chhipa

26. **"A herbal Formulation as hepato protective and anti lipidemic agents"** by : Rajan Goyal

27. **"Antifertility studies with Ranitidine maleate"** by: Madhuri Aggarwal.

#### Year 1995

28. **"Hepatoprotective studies with *Withania somnifera* and comparative anti-inflammatory studies with different *Ocimum* species"** by: Satbir Malik.

29. **"Antifertility studies with Famotidine"** by: Rashmi Girdhar

30. **"Comparative anti-inflammatory studies with different *Ocimum* species"** by: Deepa Verma .

#### Year 1996

31. **"Antifertility studies with Famotidine on Rats and Golden Hamsters"** by: Hemant Kumar.

32. **"Cooperative anti-inflammatory studies with different *Ocimum* species"** by: Deepa Verma.

33. **"Development and pharmacokinetic evaluation of transdermal drug delivery system Verapamil HCl"** by D. D. Verma.

34. **"Screening of Hepatoprotective activity of *Withania somnifera* roots"** by: Pankaj Bector.

#### Year 1997

35. **"Development of ocular inserts of Neomycin sulfate and Dexamethasone sodium phosphate"** by: Chitra Gupta.

36. **"In-Vitro and In- Vivo evaluation of transdermal therapeutic system of Verapamil HCl using terpene as Skin Penetration enhancers and its pharmacodynamic study"** by: Nisha Munshi.

37. **"Comparative anti-inflammatory studies of Various *Ocimum* species"** by : Sunil Seth

38. **"Hepatoprotective studies on Fixed and Volatile oils of *Ocimum sanctum*"** by : Atul Dureja

39. **"Development of Transdermal gels of Ketoprofen and diclofenac sodium, their studies with penetration enhancers on guinea pig dorsal skin and evaluation of their anti-inflammatory activity using carragenan induced rat paw edema."** By: Geetanjali Mainrai.

#### Year 1998

40. **"Transdermal Drug Delivery of Ethinyl Estradiol and Norethindrone acetate using guinea pig and human cadaver skin"** by : Amit Manchanda

41. **"Comparative anti-inflammatory studies on Four *Ocimum* species"** by : Bharat Dua

42. **"Post coital anti fertility studies with Roxatidine on female rats and golden hamsters"** by : Roma



Deewan.

**Year 1999**

43. **“Development of Transdermal System of Diltiazam HCL using Guinea pig dorsal and cadaver skin”** by : Bhawna Gupta
44. **“Antifertility studies of Coconut oil”** by : Deepika Sharma
45. **“Phyto chemical, Pharmacognostical and Pharmacological Standardization of *Centipeda Minima*, *Citrus medica*, *Mimusops elengi*.”** by : Vikas Kumar
46. **“Hepatoprotective activity of a new herbal formulation (COPLIV) using defferent Hepato toxic agents”** by : Neeraj Gupta

**Year 2000**

47. **“Development of transdermal contraceptive device of ethinyl estradiole and norgesterol and its evaluation using cellulose membrane and human cadaver skin”** by: Alka Goel.
48. **“Anti-fertility studies with a H2-blocker—Roxatidine”** by : Pooja Dhamija.
49. **“Comparative evaluation of immuno-modulatory activity of fixed oils of four *Ocimum* species viz. *Ocimum sanctum*, *Ocimum bacillicum*, *Ocimum gratissimum* and *Ocimum americanum*”** by : Deepti Dua
50. **“Pharmacognostical and phytochemical standardization of different samples of *Paeonia officinalis*, *Orchis latifolia* and *Mimusops elengi* and their anti-inflammatory and analgesic activity”** by : Tarun Wadhwa.
51. **“Study of Drug-Drug Interaction, Adverse drug reactions and patterns of prescription in dermatology and cardiology dept. Of AIIMS”** by: Rajiv Maini.
52. **“Acute and subacute toxicity studies on a new herbal hepatoprotective formulation ‘COPLIV-I’ ”** by: Ekta kakkar.

**Year 2001**

53. **“A comparative study of immuno-modulatory activity of four different species of *Ocimum* viz. *Ocimum sanctum*, *Ocimum bacillicum*, *Ocimum gratissimum* and *Ocimum americanum* in vivo in rats and mice”** by: Tejenderpal Singh.
54. **“Anti-fertility studies with *Aristolochia indica*”** by: Deepali Suri.
55. **“To study inhibition of Diazepam metabolism by Fluoxetine by using rat liver microsome”** by: Raihana Khan.
56. **“Evaluation and development of a transdermal contraceptive device of ethinyl estradiol and norgestral”** by: Archana Rawat.
57. **“Development of oral controlled release dosage form for model drug, Celecoxib, using a combination of matrix and coating techniques”** by: Vandana Arora.
58. **“A study to assess the safety aspect of a new herbal hepatoprotective formulation”** by: Debashish

Chakraborty.

59. **"Pharmacognostical, phytochemical and pharmacological study of *Mimusops elengi* flowers and *Origamum vulgare* herbs and seeds"** by: Upkar bhadawaj.
60. **"Cloning, expression and purification of *M. Tuberculosis* culture filtrate protein CFP6"** by; Rashmi Bist.
61. **"Development and Evaluation of Transdermal Drug delivery system for Carvedilol"** by Kavita Jerath.
62. **"Antifertility studies with Herbs"** by Deepali Suri.

#### Year 2002

63. **Standardization of *Ras parpati*, *Bol parpati* and *Panchamrit parpati*** by Nikhil Handa
64. **Pharmagnostical, phytochemical, and pharmacological study of Sufoof-E-Suzak Qawi and Brahmi Vati-poly herbo-mineral formulations** by K.L Krishna.
65. **Liver regeneration studies of *Phyllanthus amarus* Linn. Against alcohol induced liver cell injury in partially hepatectomised albino rats** by Janakiramank.
66. **Antifertility studies of the fraction isolated from the seeds of *Ensete superbum* (Banakadali)** by Sunil garg.
67. **Development and evaluation of mucoadhesive buccal drug delivery system of carvedilol** by Jaspreet kaur.
68. **Current prescribing pattern in type 2 diabetes mellitus** by Prashant Hambar
69. **Antifertility studies with *Aristolacia indica*** by Nidhi chowdhary.
70. **Formulation and biopharmaceutical evaluation of sustained release hydrogel microspheres containing Trimetazine dihydrochloride** by Anushilpa.
71. **Effect of Atorvastatin on coronary artery disease patients following intensive lifestyle modification** by Kawita rawat.
72. **Current precscribing pattern in type –II diabetes mellitus** by Rajeev Kumar
73. **Technetium99m labeled ethionamide; a new radiopharmaceutical for mycobacterial infection imaging** by Nidhi Bhardwaj
74. **Stability studies of AIIMS HIV-1/HIV-2,EIA kit** by Prabhat aggarwal
75. **Effect of various penetration enhancers of TDDS of carvedilol** by Ranjeet kaur.

#### Year 2003

76. **Screening of medicinal plants for their potential anti-glaucoma activity** by Dr. A nand E(AIIMS).
77. **Current prescribing pattern and quality of life studies in asthma** by Sanjeev Kumar.
78. **Analytical method development for estimation of Nateglinimide in solid dosage forms and its validation** by Garima shrivastava.
79. **Isolation and Characterisation of compounds from *Ensete Superbum* and their anti-fertility studies** by Bhhupinder Kumar Khileri.
80. **Stability studies of Transdermal patch of Carvedilol and Drug Information Centre :an attempt to**

**establish** by Kumud Tripathi

81. **Evaluation of topical preparation for management of frost bite using Pharamcoscintigraphy** by Mohit Gulati.
82. **Anti-fertility studies of the roots of *Aristolochia indica*** by Kanchan Tyagi
83. **Development of matrix type uterine delivery system of Ranitidine Hcl and Evaluation of anti-implantation activity in albino rats** by G vaidyanathan
84. **Crystal forms of macrolide antibiotics** by Amit kumar.
85. **Effect of Phyllanthis Amarus linn on liver cell regeneration against alcohol induced liver cell injury in partially hepatectomised albino rats** by Pronobesh chattopadhyay.
86. **Polymer entrapped insulin for delivery** by Deepti jain.
87. **Comparative evaluation of transdermal permeation of Atenolol, Carvedilol and Metoprolol tartarate from three different polymer matrices** by Priya Munjal.
88. **Role of NO in non-insulin dependent diabetes mellitus with special reference to hypertension** by Gaurav Bajaj.
89. **Evaluation of topical preparation for management Simultaneous estimation of metformin HCl and glimepiride in combined solid dosage form by derivative spectrophotometric method** by Manjusha Prajapati.
90. **Pharmacognostical, phytochemical, and pharmacological studies of two poly herbal Unani formulations** by Raj kiran seth.

**Year 2004**

91. **Transdermal Drug Delivery System of Diltiazem Hydrochloride In Vitro and In Vivo Evaluation** By Rahul Hasija
92. **In –vitro hepatoprotective activity of *Phyllanthus amarus* linn against ethanol induced damage in HepG2 cell line** By Ruchika Jain
93. **Pharmacognostical, Phytochemical and Pharmacological Standardisation of *Gymnema Sylvestre* and *Terminalia belerica***. By: Harmel Singh Chahal.
94. **Screening of Hepatoprotective activity of a Polyherbal Formulation Dipana using CML, Thioacetamide and Carbontetrachloride as Hepatotoxic agents**. By Rajesh Kumar.
95. **Development of Uterine system of Famotidine and Evaluation of Anti- implantation activity in albino rats**. By: Asheesh Sachdeva.
96. **Evaluation of Antifertility activity of H2 Receptor Blockers alone and in combination of Roxatidine Acetate Hydrochloride with Meloxicam And Aminoguanidine**. By: Manish Taneja.
97. **In-vitro Studies On *Withania Somnifera* Dunal, an important Medicinal Plant** Rachna Varshney.
98. **Screening for the Hepatoprotective Potential of Tephrosia purpurea and Tecomella undulata Against country made liquor and Thioacetamide induced Hepatotxicity**. By: Amit Khatri.
99. **Formulation and evaluation of Buccal Drug Delivery System Of Carvedilol**. By : Nany Kumar .

100. **Development And Evaluation of Transdermal Drug Delivery System of Atenolol and Metoprolol Tartarate** By : Sandeep Yadav .
101. **Antifertility studies with Roots of Aristolochia Indica Linn.** by : Gaurav Bajaj.) By : Gaurav Bajaj.
102. **Isolation of a Lactobacillus Strain from Vagina and Development of a Procedure for Preserving its viability on storage.** By:Ranjeeta Kanojia.
103. **Studies on *In-vitro* Regeneration of *Phyllanthus Amarus Schum & Thonn* – An important Medicinal Plant** By : Manu Sharma
104. **Development and evaluation Matrix type Transdermal Drug Delivery System For Carvedilol** By : Manoj P. Jhadav
105. **Effect of Phyllanthin and Hypophyllanthin on liver Cell Regeneration and Thyroid Hormone Levels.** By : Sumit Rawal.

#### Year 2005

106. **Development and evaluation of Transdermal contraceptive device of ethinyloestradiol and norgestrel** By -Bhawna Bhatt.
107. **Open labeled pilot study of H2 receptor blocker as anti-ovulatory agent** – By Parul Jain.
108. **Open labeled pilot study of matrix type TDS of Carvedilol in healthy human volunteers** – By Sachin nain.
109. **TLC and HPTLC comparisons of extracts of *Centipeda minima linn*, *Mimusops elengi*, *orchus mascula* and *Paenonia wall*** – By Rajbir singh .
110. **Development and evaluation of matrix type TDS of Atenolol and nifedipine in combination** – By Atul Auluck .
111. **Bioavailability and Bioequivalence studies of different brands of glimeperide** – By Pragya Gupta.
112. **Thyroxine like activity of compounds isolated from *Phyllanthus amarus linn*.** By -Sumit anand
113. **Formulation in vitro and in vivo evaluation of sustained release tablets of Roziglitazone** – By Bhawna Saluja.
114. **Anti-implantation, anti-ovulatory and antioestrogenic studies with the fraction isolated from the seeds of *Ensete superbum*** - By Alok Arya.
115. **Development of intrauterine contraceptive device of centchroman and evaluation of its anti-implantation activity in albino rats** - By Yajuvinder gulati.
116. **In vitro propagation studies in *Euphorbia prostata* –an important medicinal plant** - By Bhawana singh.
117. **In vitro hepatoprotective activity of *O.Sanctum linn* against ethanol induced damage in HepG2 cell line** - By Ginpreet kaur.

#### Year 2006

118. **Antiglaucoma activity of certain medicinal plants in experimental model** .- By Prakash Chander Chahar.
119. **Evaluation of herbal formulation containing *Ocimum Sanctum linn.*, *Curcuma longa linn*, *Boswellia***

**serrata roxb. And Commiphora Mukul Hook for anti-inflammatory activity - By Preeti Purwaha.**

**120. Formulation, in-vitro & in-vivo evaluation of controlled release capsules of Curcumin - By Jyoti Chaudhary.**

**121. Formulation, in-vitro & in-vivo evaluation of sustained release tablets and Transdermal Drug Delivery systems of Pioglitazone- By Pooja**

**122. Formulation of Paracetamol Sustained release suspension and evaluation in Healthy Human Volunteers - By Mithun Garai**

**123. Formulation & development of Intra Uterine Device of Centchroman , a NSAID agent and evaluation of its anti-implantation activity in Wistar albino rats — By Navdeep kaur.**

**124. Formulation, in-vitro & in-vivo evaluation of sustained release tablets for combination of Clomipramine and Venlaflexine - By Chetna Bhalla.**

**125. Invitro Hepatoprotective activity of a combination of Emblica officinalis Gaertn, Phyllanthus Amarus linn, and Withania somnifera Dunal. Against ethanol induced hepatotoxicity on primary mice hepatocytes and HEPG2 cell lines - By Namrata Bhatnagar.**

**126. Formulation, development and evaluation of sustained release matrix tablet of simvastatin- By Rajni Kad.**

**127. Open labeled pilot study of matrix type transdermal Drug Delivery Systems of combinations of Atenolol and Nifedipine in healthy human volunteers and its stability studies - By Preeti Sharma.**

**128. Formulation, development and evaluation of transdermal Drug Delivery Systems of Testosterone and combination patch of Testosterone and Sildenafil citrate - By Kunal Srivastav.**

**129. Thyroxine like activity of compounds isolated for Phyllanthus Amarus linn - By Jyotsna.**

**130. Formulation and development of transdermal Drug Delivery Sysyems and sustained release tablets of Glimiperide - By Neha Bhandari.**

**131. Formulation, in-vitro & in-vivo evaluation of sustained release tablets of Glicazide & Pioglitazone in combination - By Priyanka Sikka.**

**132. Open labeled pilot study of Buccal patch of Carvedilol & Isosorbide mono nitrate in healthy human volunteers and stability studies - By Jitender Kumar.**

**133. Formulation ,Development and invivo, invitro evaluation of Intra uterine System of Neem oil - By Neeti Mehral.**

**134. Formulation and evaluation of Novel Atropine Sulphate Intranasal drops and sublingual Injection as an antidote against organophosphate poisoning - By Sheetal Rajpal.**

**135. Method development for the simultaneous determnation of Aceclofenac and Paracetamol formulation by using derivative spectrophotometry and reverse phase HPLC - By Sushil Mishra**

**136. Development of matrix type TDD system of Carvedilol and Hydrochlorthiazide and its Pharmacodynamic and Pharmacokinetic evaluation in animals- By G.Sumitra**

**137. Development and Evaluation of press coated timed-release tablet of Metoprolol tartarate – By Satish**

K.V

138. **Formulation and Development of polyherbal microbicide and evaluation of its antimicrobial properties.** By -Mahendra Rai

139. **Studies of Drug –drug Interactions, ADR and pattern of prescriptions in dermatology and cardiology department of AIIMS** by Rajeev Maini

140. **Study of hepatoprotective activity of new herbal formulation using CCl4 and alcohol induced hepatotoxicity in rats** by Anil Aggarwal

**Year 2007**

141. **"Formulation and Evaluation of Transdermal Patch of Combination of Pioglitazone and Glimepiride"** by Gavneet Kaur

142. **"Formulation and Evaluation of Transdermal Patch of Glimepiride"** " by R.K Narang

143. **" Open Labeled Pilot study of combination patch of Testosterone and Sildenafil in Healthy Human Volunteers"& Formulation and Evaluation of Transdermal Patch of Testosterone"** by Renu Gupta.

144. **"Formulation and Evaluation of Intrauterine Contraceptive Device of Centchroman and Neem oil"** " by Himani Devyilal.

145. **"Evaluation of Hepatoprotective Activity of a combination of herbal drugs using HepG2 cell line and Primary Hepatocytes"** by Jyoti Pandey

146. **Formulation & Evaluation of Herbal Drug Combination for Anti-inflammatory activity"** by Hemlata Shukla

147. **Formulation & Evaluation of Timed Release Tablet of Antihypertensive drug"** by Parul Gupta

148. **"Formulation and evaluation of transdermal delivery of insulin linked with a carrier tocopherol phosphate"** " by Khasif

149. **'Screening of antigoutrogenic activity of Phyllanthin and Hypophyllanthin extracted and isolated from Phyllanthus amrus"** by Tejbir Kaur

150. **'Formulation and evaluation of extended release tablet of Carvedilol"** " by Neeta Sharma

151. **"Dissolution Profile of some marketed Ranitidine Tablets"** " by I.P.Singhal.

152. **'Formulation and evaluation of sustained release tablet of ondansetron"** by Manish Narula.

**Year 2008**

153. **Open labelled pilot study of transdermal delivery of Insulin linked with carrier Tocopherol Phosphate:**  
By Nidhi Khatri

154. **Open labeled pilot study of Matrix type TDDS of Glimepiride & Pioglitazone combination in healthy human volunteers :** By Pooja Gupta

155. **Open labeled pilot study of timed release tablet of Metoprolol Tartarate in healthy human volunteers :** By Nidhi Jain

156. **Open labeled pilot study of Matrix type TDDS of Glimepiride in healthy human volunteers :** By

Pratibha

157. **Open labeled pilot study of Sustained release matrix tablet of Carvedilol in healthy human volunteers**  
: By Jatin Gupta
158. **Open labeled pilot study of Matrix type TDDS of Carvedilol & Hydrochlorothiazide combination in healthy human volunteers:** By Ashish Aggarwal
159. **Seperation of polyphenolic compounds with their validation and Open labeled pilot study of a polyherbal formulation for Anti-inflammatory activity in Healthy Human volunteers :** By Kiran Singh
160. **Open labelled pilot study of transdermal delivery of sildenafil and testosterone** By Hitasha Malhotra
161. **Preparation and Characterisation of Phytosomes of *Phyllanthus amarus*** By Suvarna Jyoti
162. **Toxic exepients in cosmoceuticals and Evaluation of anti-cancer activity of some medicinal plants-** By Richa Tripathi
163. **Management of experimentally induced diabetic retinopathy with herbal drugs and its mechanism of action –** By Dhiraj
164. **Treatment of diabetic retinopathy with natural products in rats and its molecular mechanism-** By Binit Kumar.

#### Year 2009

165. **Evaluation of herbs for the treatment of Alopecia aerate.-** By Deependra Singh Dangi.
166. **Estimation of Heavy metals in Dant-Manjans and tooth paste-** By R.S.Ray.
167. **Formulation and Evaluation of Transdermal Drug Delivery System of medroxy- progestrone and Ethinyl Estradiol-** By Jatin pruthi
168. **Estimation of heavy metals in commercially available cosmetics-** By Sudha Bansal
169. **Estimation of heavy metals in commercially available cosmetics-** By Aditi Chandak.
170. **Formulation and Evaluation of transdermal drug delivery system of ethinyl estradiol and testosterone.**  
– By Rakesh Sewal.
171. **Formulation and evaluation of orodispersible tablets of itopride –** By Shewta Gupta.
172. **Bioavailaibility and Bioequivalence Studies for sibutramine :** By Shobha Singh.
173. **Evaluation of herbs for diabetic retinopathy-** By Ram Kumar
174. **Evaluation of herbs in various animal models for Glaucoma –** By Dilip Reddy.
175. **Validation of the Water from Different Sourcesm -** By Ankur Gupta
176. **Clinical research process in the Pharmaceutical Industry Study based assessment -** By Money preet
177. **Bioequivalence study of different brands of losrtan Potassium Tablet in Health Human Volunteers. -**  
By Rajani Sharma
178. **Qualitative and Quantitative Assessment of four Marketed Formulation of Biami -** By BMs. Neeti Sani
179. **Development and Validation of Reserve Phase- HPLC and HPTC for the Estimation of Lornoxicam in bulk drugs and tablets -** By Pragati Srivastav.
180. **Role & Responsibilities of study Coordinator Part - A - In a clinical trial assessing the safety and**

**Efficacy of a Drug in adult patient with Septic Shock** - By Rohit Dang.

181. **Adulteration of PDE (V) inhibitors in Herbal aphrodisiacs in Ayurvedic & Unani Medicines** By Anupriya Fatyal

182. **Evaluation of herbs for the treatment of Alopecia areata** - By Gyatri Devangan

183. **Preparation of phytosomes of *Phyllanthus niruri*** By Nupur

184. **Estimation of heavy metals in commercially available cosmetics**- Pankaj

185. **Formulation and standardization**- Sanjay Shah

186. **Phase I clinical trials of modified of TDDS system of carvedilol and hydrochlorothiazide**- Nishi

187. **Formulation of efferent green tea tablet with optimized caffeine content and antioxidants – replacement of tea bags** - Prerna

#### **Currently enrolled students at Amity University**

188. **Adulteration of PDE (V) inhibitors in Herbal aphrodisiacs in Ayurvedic & Unani Medicines in the year 2013** - Pawan Peddy.

189. **Adulteration of tobacco in toothpaste and toothpowders in the year 2013** – by Sarita Dahiya

190. **Excessive addition of fluoride in toothpaste and toothpowders**- by Shivangi Maheshwari

191. **Adulteration of Heavy metals in cosmetics such as lead, nickel, cobalt, arsenic, cadmium etc.** – by Charu Trehan

192. **Anti-Breast Cancer activity of Berberine using cell lines** – by Laxmi Rani

193. **Anti-Breast Cancer Activity of Pomegranate using cell lines** – by Pooja Singh

194. **Effects of Colchicine on Breast Cancer** – by Sairam Maduri

195. **Anti-Breast Cancer activity of Curcuminoids (*Curcuma longa*) using cell line** – by Prem Pathak, he has been awarded as 3rd best paper prize by Association of Indian Universities (ANVESHAN) in 26th – 28th Feb 2013 (Zonal Level – North Zone).

196. **Anti-diabetic activity of combination of Neem, Jamun & Karela in rats with Glimipride as standard drug** – by Anjali Dhillon

197. **Preparation, evaluation and phase – I clinical trial of transdermal patches of sildenafil and testosterone citrate** – by Utpal Kumar

198. **Formulation, development & evaluation of Neem & *Andrographis peniculata* extracts for the breast cancer treatment** – by Ramneet Kaur

199. **Screening of crude & nanosized bael & comparing with Glimipride for in vivo activity.**- by Srikar.

200. **Formulation, development, optimization & evaluation of Embelin liposomes, as a new source for breast cancer** – by Vishnu Murthy

201. **Formulation, development & Evaluation of Berberine preparation for the treatment of breast cancer** - by Azka

#### **PhD candidates supervised**



**Year 1992**

1. **Isolation, characterization of hepatoprotective active principle of some herbal drugs and studies of their pharmacodynamics and toxicological profile-** Mrs. Raj Kumari Asnsani.

**Year 1995**

2. **Development of TDS for vasoactive drugs** –by Girish Jain.

**Year 1996**

3. **Investigation of antidiabetic / hypoglycaemic properties of certain natural products including preparation and evaluation of a sustained action dosage form of Glibenclamide** by Kawita Bhagwat.

**Year 1997**

4. **Studies on liposome entrapped mite allergen** by Bhavya Bhavana sharma.

**Year 1998**

5. **Biodegradable nanoparticles as a sustained release system for the antigen/allergen of Aspergillus fumigatus preparation and characterization** by Tarun Madan.

**Year 2003**

6. **Studies on TDDS of Diclofenac sodium** by Dipankar Karmakar.
7. **Design of controlled drug delivery system using polymeric agents** by Amit Khanna.

**Year 2004**

8. **Pharmacological, Phytochemical & Pharmacognostical Standardisation of traditional drug & formulations** by M. Paridhavi Swamy.

**Year 2006**

9. **Development of Matrix type Transdermal drug delivery systems of ACE inhibitors** by M. Balamurugan.
10. **Co-supervision of Phytochemical Studies and Antiproliferative efficacies of Cassia fistula** by MD Irshad, Jamaia Millia Islamia .

**Year 2007**

11. **Isolation, purification characterization of chemical compounds and screening of pharmacological and toxicological studies** by Monica kachroo.
12. **Studies of some cosmeceuticals with respect to heavy metals, preservatives and nicotine contents** by K. Rajagopal.
13. **Studies of Intra uterine administration of H2 receptor blockers on implantation** by Sibi P.I.
14. **Antifertility activity of H2 blockers and in combination with cox inhibitors** by M. Alvin Jose.

**Year 2008**

15. **Prevention of Cataract development by herbal drugs : In-vitro & In-vivo studies** by Kalai Selvan.
16. **Phytochemical and Pharmacological evaluation of Anti-Glucoma drugs** by Niranjan D. Gallapalli.
17. **Synthesis, characterization and Pharmacological Evaluation of some Heterocyclic compounds** by S. Anand Thangdurai
18. **Pharmacological, Biochemical and Ocular toxicity studies of some medicinal plants for their**

**potential anti-glaucoma activity-Renu Agarwal**

**Year 2012**

19. **Evaluation of herbal drugs for the treatment of Cancer** by Sarita Saraswati.
20. **Development and evaluation of Microspheres for anti-ulcer drugs** by Anil.K.

**Year 2013**

21. **Evaluation of herbal drugs for the treatment of Erectile dysfunction** by Ashok Kumar
22. **Pharmacological screening of curcuminoids for anti-inflammatory, hepatoprotective and anticancer activities** by Sumeet Gullaiya.
23. **Formulation and Evaluation of Chronotherapeutic system for antihypertensive drugs** by Subhash Chand Dadrawal.
24. **H2 Blockers as antifertility agents** by Varun Singh.
25. **Synthesis of some novel anti-inflammatory compounds- Divya**
26. **Synthesis and screening of Peptides for Brain Delivery System** by Vishal Dubey.
27. **Pharmacological Screening of herbs for the treatment of Diabetic Retinopathy** by Salma Naqvi.

**Currently enrolled students at Amity University**

28. **Development of Herbal Drugs for Alopecia** - Mahek Arora.
29. **Working on certain aspects of Pain** – Seema Meena.
30. **Development of Post Coital Transdermal System** - Ms. Shikha Chauhan.
31. **Working on certain aspects of Anti – Bacterial agents in dentifrices** – Anjali Singh.

**LIST OF ABSTRACT(S) PRESENTED IN INTERNATIONAL AND NATIONAL CONFERENCES**

**YEAR 2007**

- 1) **Agrawal S.S., Bhawna Bhatt Development and Evaluation of Transdermal contraceptive device of oestrogen and progesterin** IPC 2007, Varanasi.
- 2) **Agrawal S.S., Narang R.K Development and Evaluation of Transdermal Drug Delivery system of Glimepiride** IPC 2007, Varanasi.
- 3) **Agrawal S.S., Gavneet Aneja Formulation,Development,in –vitro and in –vivo Evaluation of Transdermal systems of combination of Glimeperide and Pioglitazone** IPC 2007, Varanasi.
- 4) **Agrawal S.S., Sachin Nain Transdermal Drug Delivery System of Atenolol** IPC 2007, Varanasi.
- 5) **Agrawal S.S., Himani Devliyal Formulation,Development, studies of post coital intrauterine system of Centchroman on wistar rats** IPC 2007, Varanasi.
- 6) **Agrawal S.S., Neeta Sharma Formulation and Evaluation of sustained release matrix Tablet of Carvedilol** IPC 2007, Varanasi.
- 7) **Agrawal S.S., Alok Arya Contraceptive and hormonal properties of Ensete Suprebum seeds in rats** IPC 2007, Varanasi.

- 8) **Agrawal S.S., Renu Gupta open label pilot single dose two period cross over study to find out the pharmacokinetic properties of Transdermal patch of testosterone and sildenafil vs marketed oral formulation** IPC 2007, Varanasi.
- 9) **Agrawal S.S., Parul Jain Antiovolatory studies of H2 Receptor blocker :Famotidine** IPC 2007, Varanasi.
- 10) **Agrawal S.S., Sibi P.I. Progestational /Anti- Progestationalactivity of H2 Receptor blockers** IPC 2007, Varanasi.
- 11) **Agarwal S.S &Narula M Formulation & Development of Mouth Disintegrating Tablet of Ondansetron Hydrochloride.**IPS 2007.
- 12) **Agarwal S.S & Kashif Siddiqui Gel Based Transdermal Delivery of Insulin Loaded Nanosphere of Alpha Tocopherol Phosphate.** IPS 2007.
- 13) **Agarwal S.S &Tejbeer Kaur Thyroxine Like Activity of Hydroalcoholic Extract & Compounds Isolated From Phyllanthus Amarus Linn.**IPS 2007.
- 14) **Agarwal S.S & Gupta P To Formulate & Evaluate Press Coated Timed Release Tablets of Metoprolol Tartrate Using Natural Gums.** IPS 2007.
- 15) **Agarwal S.S & Jose Alvin In Vivo Mast Cell Stabilizing Activity of H2 Receptor Blocker in Albino Wistar Rats.** IPS 2007.
- 16) **Agarwal S.S The Curcuminoids: Bioavailability & Bioequivalence Study of Various Formulation containing Curcumin, Piperin & Turmeric Oil** IPS 2007.
- 17) **Renu Agarwal, Niranjan Galpalli, Kalai V Selvan, Sushma Srivastava, S. S. Agarwal, S. K. Gupta The IOP Lowering Effect of Foeniculum Vulgare in Experimental Model of Glaucoma** IPS 2007

#### **YEAR 2006**

- 18) **Agrawal S.S., Sumithra G Development and Evaluation of Trandermal Drug Delivery of combination of cardiovascular drugs,** IPS 2006, Jaipur.
- 19) **Agrawal S.S., Jose Alvin Antiimplantation activity of Roxatidine alone and in combination with cyclooxygenase (COX) inhibitor Meloxicam,**IPS 2006 ,Jaipur.
- 20) **Agrawal S.S., Arya A Antiimplantation, Antiovolatory and Antiestrogenic studies with the fraction isolated from the alcoholic extracts of seeds of Ensete Suprebum,** IPS 2006, Jaipur.
- 21) **Agrawal S.S., Aneja G.K Evaluation of Hepatoprotective /Antihepatotoxic activity of Ocimum sanctum linn in HEPG 2 cell line,** IPS 2006, Jaipur.
- 22) **Agrawal S.S., Balamurgan M Development and Evaluation of Matrix type Transdermal Drug Delivery system of Lisinopril in rats and human volunteers.**IPS 2006 ,Jaipur.
- 23) **Agrawal S.S., Srivastava S, Gupta S.K., Selvan V.K., Sharma A., Saxena R, Prevention of Cataract development by Glycine max in experimental catarctogenesis,** IPS 2006, Jaipur.
- 24) **Agrawal S.S., Gupta S.K., Galpalli N., Agrawal R., Saxena R, Ocular hypotensive activity of Aloe vera gel in experimental models,** IPS 2006, Jaipur.
- 25) **Agrawal S.S., Jose Alvin ,In-vivo and in-vitro estrogenic and antiestrogenic studies of H 2 receptor**

**blocker Roxatidine**, IPC 2006 ,Mumbai.

26) **Agrawal S.S., Jain Parul .Antiovolatory studies of H2 receptor blocker in healthy human volunteers**, IPC 2006 ,Mumbai.

27) **Agrawal S.S., Sibi P.I Possible mechanism of Anti-implantation activity of H2 receptor blockers following intrauterine administration**, IPC 2006, Mumbai.

28) **Agrawal S.S., Nain Sachin, Open labeled pilot study of Transdermal Drug delivery System of Carvedilol in healthy human volunteers**, IPC 2006, Mumbai.

29) **V.Kalai selvan , S.K.Gupta ,Agrawal S.S Prevention of cataract by Phyllanthus niruri (PN) in Galactose models of induced models of induced cataractogenesis :in-vitro and in-vivo studies**, IPC 2006 ,Mumbai.

30) **Agrawal S.S., S.Ananda Thangadurai,S.R Wakode,Maninder minu .Synthesis and QSAR studies of 2,3 – disubstituted –3,3a,4,5,6,7-hexahydro-2H-indazole derivative as anti-inflammatory agents** ,IPC 2006 ,Mumbai.

#### **YEAR 2005**

31) **Agrawal S.S. Development and evaluation of sustained release matrix tablets of diltiazem using biodegradable polymers**, ICRA B T S 2005 Science New Vistas, Jhansi, India.

32) **Agrawal S.S. Need for pharmacovigilance of cosmetics** “ICRA B T S 2005 Scinece New Vistas, Jhansi, India.

#### **YEAR 2002**

33) **Agrawal S. S. Role of histamine in pregnancy and histamine receptor blocker as post coital anti-fertility agents**, 5th Asian and Ocean Physiology Conference, Kula Lumpur 2002.

34) **Agrawal S. S. Role of histamine in pregnancy and histamine receptor blocker as post coital anti-fertility agents** “ 5th APCCB 2002, Delhi

35) **Agrawal S. S, Dipankar & Kavita. Development and evaluation of transdermal delivery system for carvedilol**, ISHR 2002, Trivendum

36) **Archana R, Agrawal S. S. Evaluation & development of transdermal contrceptive device of ethinyloestradiol and norgestrel** , 53 rd IPC 2002 New Delhi A71.

#### **YEAR 2001**

37) **NiramI, Vikas Kumar, Khanna K, Agrawal S.S. Phytochemical and pharmacognostical standardisation of centipedia minima-A multipurpose Herb**, 53 rd IPC 2001 New Delhi C8.

38) **Tabassum N. & Agrawal S. S. Hepatoprotective activity of embella ribes on paracetamol induced acute hepatocellular damage in mice**, 53 rd IPC 2001 New Delhi E24.

39) **Bist R, Bhaskar S, Agrawal S. S. Molecular cloning, expression and purification of CFP 6 a novel low molecular wt. antigen secreted by mycobacterium tuberculosis**, 53 rd IPC 2001 New Delhi H3

40) **Paridhavi M, Khanna A, Agrawal S.S. Standardization of Zuroor-e-gula - : A polyherbal formulation**, 53 rd IPC 2001 New Delhi DP6

- 41) **Agrawal S. S**, Dhameja P. **Post coital antifertility studies of roxatidine : H2 blocker 53rd IPC 2001** New Delhi EP48.
- 42) **Agrawal S. S.**, Dipankar, Deepankar. **Fabrication and development of matrix tablet for controlled delivery of nicorandil : An in vitro study , International Congress of Heart Research, Winnepeg, Canada**
- 43) **Agrawal S. S**, Gupta B. **Fabrication of transdermal Drug delivery sytem for diltiazem hydrochloride, International Cardiovascular Conferencee , AIIMS , Delhi , 2001**

#### **YEAR 2000**

- 44) Kavita, Dipankar, **Agrawal S. S. A novel in-vitro estimation method for Dipankar, Agrawal S. S. A novel molecular diffusion cell for in-vitro evaluation of matrix type transdermal drug delivery system, IPS 2000** Gandhinagar.
- 45) Dipankar. K., Deepankar, **Agrawal S. S. Statistical optimization of Non-erodible matrix type delivery system for Diclofenac Sodium, IPC, 2000,Hyderabad.**
- 46) Dipankar, **Agrawal S. S. Development and evaluation of transdermal drug delivery system for diclofenac Sodium, Asian J Pharmacy: Sydeny Oct**
- 47) Dipankar. K., **Agrawal S. S. Development and in vitro evaluation of transdermal delivery system of diclofenac sodium, Indian JPharmacology, 32:42.**
- 48) Madan T, Kishore U, Reid K.B.M, **Agrawal S.S**, Sarma P.U,Delhi. **A novel strategy for therapy of respiratory fungal infections, Poster # 13, INDO-FRENCH Symposium on Immunopharmacology, National Institute of Immunology.**

#### **YEAR 1997**

- 49) Madan T, Kishore U, Eggleton P, Strong P, Wang J.Y, **Agrawal S.S**, Sarma P.U,Reid K.B.M. **Lung Surfactant proteins A & D inhibit specific IgE binding to allergens of A. fumigatus and block allergen induced histamine release from human basophils. Mycoses, 1997, Delhi.**
- 50) Madan T, Kishore U, Eggleton P, Strong P, **Agrawal S.S**, Sarma P.U Reid K.B.M **Interaction of lung surfactant proteins A & D with conidia of A. fumigatus A-15, Mycoses, 1997, Delhi.**
- 51) Madan T, Bhatnagar P.K, Chattopadhyaya D, Shah A, **Agrawal S.S**, Sarma P.U. **Epitopic peptides of A. fumigatus differentially stimulate TH1 and TH2 type of cytokines A-10, Mycoses, 1997, Delhi.**
- 52) Madan T, Kishore V, Eggleton T, Strong P, Wang J.Y, **Agrawal S.S**, Sarma P.U, Reid K.B.M. **Lung surfactant protein A & D can inhibit specific TgE binding to the allergens of aspergillus fumigatus and block allergens induced histamine release from human basophils presented at National Symposium on Mycoses 1997.**
- 53) **Agrawal S.S** Ph. D. (Pharmacology) Thesis entitled **“isolation and characterisation and pharmacological screening on acgive principle (5) of daucus carota seeds”** with special reference to their antifertility effects1997

#### **YEAR 1996**

- 54) Puniya A.K, Sharma S.K, **Agrawal S.S. Contribution of microorganism in industry-an overview.** Abst. Proc. 5th APSI Scientist Meet & National Seminar: 1996; 10,6
- 55) Arvinda S & **S. S. Agrawal. Role of zinc in reproduction,** Pharmmanual XI-XIII, 56-58.
- 56) **Agrawal S.S. "Phytochemical and pharmacological screening of some medicinal plants and special reference to their anti-fertility effects.** Pharmmanual XI-XIII, 56-58.

#### **YEAR 1994**

- 57) Agarwal M, **Agrawal S.S, Antifertility studies with ranitidine,** presented in 46th IPC held at Chandigarh, 1994;(D19)
- 58) **Agrawal S.S** Chhipa R.K. **Antiinflammatory and antifertility studies with ocimum basilicum,** Presented at XXVII IPS, Bombay

#### **YEAR 1993**

- 59) Jain G.K, **Agrawal S.S. Enhancement of in vitro permeation of verapamil in transdermal formulations, Presented in 44th Indian Pharmaceutical Congress,** 1993, Bangalore.
- 60) Singh B, **Agrawal S.S. Antifertility effect of H2 blockers,** Pharmannual, 1993; 10,52
- 61) Sharma S.K, Srinivasan B.P, **Agrawal S.S. Pharmacology and therapeutic potential of K. channels,** Pharmannual, 1993; 10, 53-58.
- 62) Prakash J, **Agrawal S.S. Hepatoprotectives,** Pharmannual, 1993; 10, 59-61.
- 63) Jain G.K, **Agrawal S.S.** Evaluation of transdermal formulations of verapamil across guinea pig dorsal and human cadaver skins, Annual conference of IPS Hissar, 1993; 25-27 Nov., (OMI 20).

#### **YEAR 1992**

- 64) **Agrawal S.S. Hepatoprotective activity of some indigenous plants,** V111 Annual conference of Indian Pharmacologist Society (North Zone), 1992; 7-8.

#### **YEAR 1991**

- 65) Sharma S.S, **Agrawal S.S. Angiotensin converting enzyme inhibitors.** Pharmannual, 1991; 8, 49-52.

#### **YEAR 1990**

- 66) Awasti S, **Agrawal S.S. Dopamine and its receptors:** Pharmannual, 1990; 40-44
- 67) **Agrawal S.S, Chemotherapy has done more than good.** University Affairs 4 (11-12): 10-12

#### **YEAR 1988**

- 68) **Agrawal S. S, Raj A. Hepatoprotective activity of indigenous plants. Proceedings of National symposium on development of indigenous drugs in India during 25 years,** New Delhi, 1988:152-158
- 69) **Agrawal S. S, Kaul J. L. Adverse drug reactions and how to tackle them. Swastha Hind. D.G.H.S.,** New

Delhi 1988; 276-278

70) Mishra Y, Khan M.S.Y, Zafar R, **Agrawal S.S. Plant with possible hypoglycaemic action. Presented in National Symposium on the development of indigenous drugs in India.** Paper No.88-100, 1988.

71) **Agrawal S.S, Asnani R.K. Hepato-protective activity of some indigenous plants: Presented in National Symposium on the development of indigenous drugs in India,** April, 1988, Paper No.19: 24-25

#### **YEAR 1986**

72) **Agrawal S. S., Sharma S. Isolation and Characterisation of a hypotensive compound from rhododendron arboreum.** Presented at the First Congress of the Asian and Oceanian Physiological Societies, Bangkok, Thailand, 1986; Abstract No.F2-9

#### **YEAR 1985**

73) **Agrawal S.S, Dhawan S, Basu D.K. Studies on the efficacy of AMU 111 in protection against alcohol induced liver cell injury: In proceedings of the 4th International Congress of Oriental Medicine,** Kyoto, October 1985: 407-408

#### **YEAR 1984**

74) Ray A, **Agrawal S.S,** Basu D.K, Sharma K.K. **Anti granulomatous effect of orally administered methyl isobutyl semi-carbazone copper (11) complex.** In proceedings of the first international conference on elements in health and disease: 272, 1984.

#### **YEAR 1986**

75) Dasgupta A.K, **Agrawal S.S,**Basu D.K. **Antiepileptic activity of mixed fatty acids obtained from elaeocarpus ganitrus.** Presented at Indian Pharmaceutical Congress held at Hyderabad, Abst. No.14, 1983.

#### **YEAR 1977**

76) Arora R. B., J. N., **Agrawal S. S. Standardisation of guggal (Commiphora mukul), (A Chemical, Biological and microbiological studies) presented at Ayurvedic conference,** Patiala 1977.

77) **Agrawal S.S et al. Further work on new colorimetric method of Heparin – I.P.S.**

#### **YEAR 1976**

78) **Agrawal S.S,** Narayanan G. K. **New method of assay of heparin based on heparin barbarine antagonism,** IPS Conference 1976

79) Dubey R, **Agrawal S. S. and Narayanan G. K. Hormone action via C-AMP Pharmannual,** 1976;1:29-31

#### **YEAR 1975**

80) **Agrawal S.S. Drug abuse,** Young Scientist Magazine, AIIMS, 1975; 19-22

## **YEAR 1970**

81) Tayal G, Gupta L, Agrawal S.S Arora R.B. **Standardisation of kumari asva – An ayurvedic drug (Chemical, biological and microbiological studies presented at Ayurvedic conference, 1970, Patiala.**

## **Conferences/Workshops Organized**

**2014-XIX Annual Congress of The Society of Andrology, India and Prof. K. R. Laumas Memorial Seminar on Young Minds** on 13-14 March' 2014 at Amity University Campus, Sector – 125, Noida, 13 to 14-03-2014

**2013-Organized the 65<sup>th</sup> Indian Pharmaceutical Congress 2013** at Amity University Campus, Sector – 125, Noida, 20 to 22-12-2013

**2013- National conference, Use of Animals and Alternatives in Biomedical Research with Special reference to Drug Discovery and Drug Development**, Amity University, Noida, India.

**2013- National Conference on "Environmental Pollution, Soil Health and Sustainable Agriculture"** on January 15th to 17th 2013 at Amity University Campus, Noida with Indian Network for Soil Contamination Research (INSCR), Delhi.

**2012- International Conference on "Recent Advances in Cardiovascular Sciences and Translational Medicine"**, Amity University Uttar Pradesh.

**2012- Cardiopulmonary Resuscitation (CPR) workshop** on 3rd May, Amity University.

**2012- National Workshop on "Pollution Prevention Paradigm"** conducted on 11th May.

**2012- International Conference on Nano Pico Pharmaceuticals and Invivgensome**, Amity University.

**2011- Organizing Secretary, 4<sup>th</sup> International Symposium on Recent Advances in Cardiovascular Sciences (RACS).**

**2009- Co-chairman, 60<sup>th</sup> IPC-Delhi.**

**2009- Organizing Secretary, 3<sup>rd</sup> International Symposium on Recent Advances in Cardiovascular Sciences (RACS).**

**2008- National conference, Indian Pharmacological Society**, India.

**2008- Organizing Secretary, 2<sup>nd</sup> International Symposium on Recent Advances in Cardiovascular Sciences (RACS).**

**2007- Organizing Secretary, 1<sup>st</sup> International Symposium on Recent Advances in Cardiovascular Sciences (RACS),.**

**2005- Chairman Scientific Services, 54<sup>th</sup> Indian Pharmaceutical Congress**, Hyderabad.

**2004- Chairman Scientific Services, International Symposium on Pharmacotherapy of Heart Failure.**

**2001- Chairman Scientific Services, 53<sup>rd</sup> Indian Pharmaceutical Congress**, Delhi.

**2000- Lecture- Development and evaluation of transdermal drug delivery system for diclofenac sodium and attended deliberation at international conference at 6<sup>th</sup> pharmacy Australian congress and 18<sup>th</sup> federation of Asian pharmaceutical conference entitled" better health outcomes to pharmacy" at Sydney Australia.**

**1999- Organizing Secretary, 1<sup>st</sup> International Conference on Pharmacology and Therapeutics (ICPT)**, New Delhi,



**1999- Organizer, International congress on frontiers in pharmacology and therapeutics in 21<sup>st</sup> century as joint organizing secretary.**

**1998- Attended- International congress of pharmacology- Germany**

**1997- Organizing secretary, 84<sup>th</sup> Indian Science Congress, Delhi university.**

**1985- Joint organizing secretary. Conference of Pharmacology, MAMC, New Delhi.**

**1979- Chairman Exhibition Committee, Indian Pharmacological Society, New Delhi.**

#### **Research Projects (Major Grants/Research Collaboration)**

**2012- Major Grant UGC (14 Lakhs), “ Estimation of Adulterants (a) Viagra like drugs in ayurvedic medicines (b) Tobacco and dental products (c) Heavy metal in cosmetics”.**

**2012- Presented to DST, State of Art National Facility for conducting BA/BE studies/Clinical Trials (Phase I, II and III) B: Post Marketing Surveillance/Pharmacovigilance (Phase-IV) of Cosmetics, Nutraceuticals & Ayurvedic-Aphrodisiac Drugs in India (4.66 Crore).**

#### **Completed Research Projects**

**2008- An open labelled balanced free treatment, free period ,single dose ,cross over comparative bio-availability studies of three formulations of Curcumin in healthy adult human subjects 27 lakhs from DBT.**

**2006- Completion of automation of library, DIPSAR.**

**2005- Studies on the impact of environment pollution on eye, research grant of 14. 32 lakhs from DST.**

**2005- Industrial collaboration on development of drugs for medicinal therapy of glaucoma using natural products of 137.75 lakhs from DST**

**2004- Study of medicinal plants for the management of glaucoma with the research grant of 5 .5 lakhs from DST**

**Memorandum of understanding has been signed with DST (for ocular pharmacology) for Rs 1.33 crore in March 2005, for development of drugs for glaucoma and cataract.**

**2002- Investigator, Plant Tissue Culture: Major research grant from UGC.**

**2002- Investigator, Anti-fertility Studies: Major Research Project From UGC.**

**2002- Investigator, Development of Matrix Tablet: Major Research Project from UGC.**

**2001- Antifertility studies of H2 receptor blockers, AICTE.**

**1998- Development of Pharmacopeal standards for ISM From Ministry of health and family welfare of Rs 14.75 lacs.**

**1995- Received financial grant of 3 lakhs from AICTE under MODROBS.**

**MOU is under the process of signing with National Research Development Corporation (NRDC).**

## Awards and Distinctions

**2007-** Awarded Honorary D.Sc degree from Rajiv Gandhi Technical University-Bhopal

### ***INTERNATIONAL HONOURS AWARDED***

**2010-** Conferred “**Honorary Foreign Fellow**” by Romanian Academy of Medical Sciences-Romania.

**2010-** Received **Distinguished Service Award** – by International Academy of Cardiovascular Sciences (IACS) Canada.

**2009-** Received the Prestigious “**Fellow of International Academy of Cardiovascular Sciences**” from IACS Canada, One among the 218 prominent scientists in the world.

**2001-** **Gold medal of merit, International conference of Heart Research, Winnipeg, Canada.**

**1999-** **Servier Young Investigator's award (FRANCE).**

### ***NATIONAL HONOURS AWARDED***

**2013-** **3<sup>rd</sup> position from North zone in Association of Indian Universities Research Convention, Kurukshetra University, Kurukshetra, India.**

**2007-** **Best Principal Award** by Association of Pharmacy Teachers of India at Chandigarh.

**2006-** **Awarded Fellow of Indian Pharmacological Society (FIPS)** at 39th annual conference IPS Jaipur- as **Life Time achievements.**

**2005-** **Felicitated** at the 25th anniversary of Bharti Vidyapeeth University for contributions to the field of pharmacy.

**2004-** **CDRI Oration of Indian Pharmacology Society- Calcutta.**

**2003-** **Second best paper** presented at annual conference International Society of Heart Research, Chandigarh for “**Sustained release hydrogel micro spheres containing Trimetazidine hydrochloride**”.

**2003-** **Best paper Award in Biomedical Association Conference** held at INMAS for “**Development and potentials of Tc –99m Salbutamol**” New Delhi.

**1990-** **B.Mukherjee Prize**, for best paper published in **Indian Journal of Pharmacology delivered at Indian Pharmacological Society.**

**1986-** **3rd Hamdard National Foundation Award, New Delhi (Shared).**

## Association/Membership With Professional Bodies

**Executive Member, High Power Committee for Delhi Health Authority.**

**Elected Secretary General of International Society for Heart Research, 2009.**

**National Co-coordinator for QIP (Pharmacy) by AICTE for 10 QIP centres of India.**

**Coordinator, QIP cell, AICTE, New Delhi.**

**Coordinator of national doctoral fellowship programme.**

**Expert member of UGC - Special Assistance Program, Seminar Grants, 11th Five Year Plan, Minor and major research grants, JRF etc.**

**Expert member of Ethical Committees for Clinical Research, Rational Independent Ethical Committee (RIEC) in Batra Hospital and Fortis Hospital.**

**Member Scientific Advisory Committee, Talwar Research Foundation. 2007.**

**Nominated Executive Council member (a) Maharishi Dayanand University, Rohtak, (b) Chaudhary Devilal University, Sirsa (Haryana) for a period of 3 years from June 2007.**

**Nominated member for University court, Sirsa University & M D University, Rohtak.**

**Chancellor's Nominee for Selection Committee in Pharmaceutical Sciences of Guru Jambheshwar University of Science & Technology (Hisar) and M D University, Rohtak.**

**Details of some delivered Lectures on both National and International platform (Out of around 100 lectures)**

**2013 - National conference, Use of Animals and Alternatives in Biomedical Research with Special reference to Drug Discovery and Drug Development** 2013- National conference, Use of Animals and Alternatives in Biomedical Research with Special reference to Drug Discovery and Drug Development, Amity University, Noida, India.

**2013 - National Conference on "Environmental Pollution, Soil Health and Sustainable Agriculture" on January 15th to 17th 2013 at Amity University Campus, Noida with Indian Network for Soil Contamination Research (INSCR), Delhi.**

**2012 - International Conference on "Recent Advances in Cardiovascular Sciences and Translational Medicine", Amity University Uttar Pradesh.**

**2012 - Cardiopulmonary Resuscitation (CPR) workshop on 3rd May, Amity University.**

**2012 - National Workshop on "Pollution Prevention Paradigm" conducted on 11th May.**

**2012 - International Conference on Nano Pico Pharmaceuticals and Invisgense, Amity University, Amity University, Noida, India.**

**2012 - International Conference on "Recent Advances in Cardiovascular Sciences and Translational Medicine", Amity University Uttar Pradesh.**

**2012 - Cardiopulmonary Resuscitation (CPR) workshop on 3rd May, Amity University.**

**2012- National Workshop on "Pollution Prevention Paradigm" conducted on 11th May.**

**2012- International Conference on Nano Pico Pharmaceuticals and Invisgense, Amity University.**

**2012- "Design and Evaluation of Transdermal and Chronotherapeutic Drug Delivery System of Some**

**Vasoactive Agents**” in the International Symposium on “Recent Advances in Cardiovascular Sciences and Translational Medicine” Amity University.

**2012- “Generic Drugs & Pharmacovigilance”,** Quest for Quality Generic, ASSOCHAM.

**2012-** “Design and evaluation of transdermal and chronotherapeutic drug delivery system of some vasoactive agents, XXII National Annual Conference of the Indian Society of Hypertension – BAPCON, Mumbai, India.

**2012- “H<sub>2</sub> - Receptor Antagonists as Post coital Anti-fertility Agents”** International Expo and Conference on “Analytix & HPLC”, Chicago-North Shore, USA.

**2012-** “Development of Anticancer Drugs from Herbal Agents”, Carcinogenesis – 2012, Ram Manohar Lohia Hospital.

**2012- “Pharmacovigilance Studies on various Cosmetics and Nutraceuticals”** International Conference on “Pharmacoeconomics and Outcomes Research – India Chapter”, India Habitat Center.

**2011- “Development of transdermal and Transbuccal Drug Delivery System of antihypertensive agents & time specific release of certain antihypertensive drugs”,** International Cardiology Conference, Canada.

**2010-** Deliver lecture on “**Design And Evaluation Of Chronomodified And Transdermal Drug Delivery Systems For Some Vasoactive Agents**” on 4th International Conference on Recent advancement on cardiovascular Sciences.

**2009-** Delivered lecture on “**Role of H<sub>2</sub>Blocker in Anti-fertility**” at PDM College, Bahadurgarh, Haryana, India.

**2009-** Delivered lecture on “**Role of H<sub>2</sub> blockers in Antifertility**” at Jamia Hamdard Delhi.

**2009-** Deliver lecture on “**Current Trends in Education in Pharmacy**” in APTI Jodhpur.

**2009-** Deliver lecture on “**Design And Evaluation Of Chrono-modified and Transdermal Drug Delivery Systems For Some Vasoactive Agents**” in Copenhagen.

**2009-** Deliver lecture on “**Design And Evaluation Of Chronomodified and Transdermal Drug Delivery Systems For Some Vasoactive Agents**” in Mini Symposium on International Conference on Recent advancement on cardiovascular Sciences

**2008-** Delivered Lecture in National Conference on Clinical Research In Mumbai. Trends in Clinical Trials Research on topic “**Ethical and Pharmacovigilance Issues**”

**2008-** Delivered lecture on “**Need for Pharmacovigilance of Cosmoceutical**” at Banares Hindu University, Pdm College, Lady Harding medical college.

**2007-** Delivered lecture on “**Drug-Food Interactions**” in workshop of National Pharmacy Week Organized by Delhi Pharmacy Council.

**2006-** Delivered lecture on “**Need for Pharmacovigilance of Cosmetics**” at 38th Annual conference of IPS held at Chennai.

**2006-** Delivered lecture on “**An Overview –Herbal Drug Research**” at 39th IPS annual conference held at Jaipur.

**2006-** Presented poster on “**TDS drug delivery of Antihypertensive agents**” in Conference of Academy of

Cardiovascular sciences, Winnipeg.

**2005-** Delivered lecture on **“Need for Pharmacovigilance of Cosmetics”** in IPC Hyderabad.

**2005-** Delivered Lecture on **“H2 Blocker as anti-fertility agent”** In QIP Programme at DIPSAR.

**2002-** Delivered lecture on **“Role of histamine in certain stages of pregnancy and role of histamine as antifertility agent”** and **“ antifertility activity of roxatidine”** at 5<sup>th</sup> Asian and oceanian physiological society conference- **Malaysia.**

**2001-** Delivered Lecture on **“Development of Matrix tablet of controlled delivery of Nicorandil”** at International society for heart research” Winnipeg, Canada.

**2001-** Delivered Lecture on **“H2 Blocker as anti-fertility agent”** In QIP programme at DIPSAR.

**1999- “Sub acute toxicity studies”** Saskatoon University, Saskatoon, Canada.

**1999-** Delivered Lecture on **“Hepatoprotective action of a new herbal formulation,** International Conference on Biomedical Sciences in Jhansi.

#### Publication Profile

#### YEAR 2014:

1. **Agrawal SS**, Publishing of Book **“ANDROCON 2014”** is under process
2. Shikha Baghel Chauhan, **S.S. Agrawal**, **“health technology assessment in India: present status and future perspective”** Review Article, Journal of Advanced Pharmacy Education & Research, Jan-Mar 2014, Vol-4, Issue-I, 13-19
3. Sushila Saini, Shikha Baghel Chauhan, **S.S. Agrawal**, **“Recent Development in Penetration Enhancers and Techniques in Transdermal Drug Delivery System”** Review Article, Journal of Advanced Pharmacy Education & Research, Jan-Mar 2014, Vol-4, Issue-I, 31-40
4. Shikha Baghel Chauhan, **S.S. Agrawal**, **“Evaluation of Heavy Metal contamination in Market Lipsticks”** accepted for publication in International Journal of Advanced Research (I) AR, ISSN 2320-5407

#### YEAR 2013:

1. **Agrawal SS**, book on **“Use of Animals and Alternatives in Biomedical Research with Special reference to Drug Discovery and Drug Development”** – by SSPH Delhi
2. **Agrawal SS**, Gullaiya S, Nagar A, Dubey V, Singh V., Kumar A, **“Modulation of Disease related immune events by demethoxycurumin against autoimmune arthritis in rats”**, 2210-5220, Vol-3(1), 7-13, biomedicine and Ageing Pathology, Elsevier Publications
3. **Agrawal SS**, Kumar A, Gullaiya S, Dubey V, Singh V, **“Contraceptive Activity of 4-(4-Hydroxy-3-methyl-hex-5-enyl)-chroman-2,7-diol via inhibiting ovulation in Gonadotropin-primed immature rat model”**, 2210-5220, Vol-4 (1), 43-47, biomedicine and Ageing Pathology, Elsevier Publications

4. Agrawal SS, Gullaiya S, Verma B, Bajpai S, **“Murine Preclinical Cancer Models: A Systemic Review”**, 0976-0447, Vol-in press, 124, International Journal of Pharmaceutical Sciences Review and Research
5. Kalra P, Madan S., **Agrawal S.S.**, **“Pharmacognostic and Physicochemical Analysis of Green Tea”**, Research Article, Int. Journal Sci. Res., 22 (2), Sep – Oct 2013: 40, 224-226, ISSN 0976-044x.
6. Sarita Saraswati, **S.S. Agrawal**. **Brucine, an indole alkaloid from Strychnos nux-vomica attenuates VEGF-induced angiogenesis via inhibiting VEGFR2 signaling pathway *in vitro* and *in vivo***. 2013, 83-93, Epub 2013, Vol-332, Issue 1
7. Sarita Saraswati, **S.S. Agrawal**. **Brucine, an indole alkaloid from Strychnos nux-vomica attenuates VEGF-induced angiogenesis via inhibiting VEGFR2 signaling pathway *in vitro* and *in vivo***. Cancer Letters, Volume 332, Issue 1, 10 May 2013, Pages 83-93.
8. Sarita Saraswati, **S.S. Agarwal**. **Strychnine inhibits inflammatory angiogenesis in mice via down regulation of VEGF, TNF- $\alpha$  and TGF- $\beta$**  Microvascular Research, Volume 87, May 2013, Pages 7-13
9. **S.S. Agarwal**, S. Gullaiya. **Modulation of disease related immune events by demethoxycurcumin against autoimmune arthritis in rats** Biomedicine & Aging Pathology, Volume 3, Issue 1, January–March 2013, Pages 7-13

## **YEAR 2012:**

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1. **2012- Agrawal SS**, Gupta M. **GPAT MCQs in Pharmacy** – revised fourth Edition.
2. **2012-Agrawal SS**, Gullaiya S, Dubey V, Singh V, Kumar A, Nagar A, Tiwari P. **Neurodegenerative, Shielding by Curcumin and Its Derivatives on Brain Lesions Induced by 6-OHDA Model of Parkinson's Disease in Albino Wistar Rats**. Research article, "Cardiovascular Psychiatry and Neurology" International, 2012, 1(3), 267-286, "MEDLINE, PubMed, PubMed Central, Scopus"
3. Dadarwal SC, Madan S, **Agrawal SS**. **Formulation and evaluation of delayed-onset extended-release tablets of metoprolol tartrate using hydrophilic-swelling polymers**. Acta Pharm. 2012 Mar 1; 62(1):105-14.
4. 112) **Agrawal SS**, Naqvi S, Gupta SK, Srivastava S. **Prevention and management of diabetic retinopathy in STZ diabetic rats by Tinospora cordifolia and its molecular mechanisms**. Food Chem Toxicol. 2012 Sep; 50(9):3126-32.

## **YEAR 2011:**

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1. **Agrawal SS**, Chapter authored **“Biological Activity of Seeds of Wild Banana (*Ensete superbum* Cheesm, Family Musaceae), Nuts and Seeds in Health and Disease Prevention”**, by Elsevier publication in 2011.
2. **Agrawal S.S.**, Sharma Ashish Kumar, (2011) **Remote preconditioning by aortic constriction : Dose it afford cardioprotection similar to classical or other remote ischaemic preconditioning? Role of inducible nitric oxide synthase**, CVD Prevention and Control, 6, 15-33.

3. **Agrawal S.S, Gupta S.K., (2011) Curcumine prevents experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant, and anti-inflammatory mechanisms, Journal of ocular pharmacology and therapeutics, 27, 2, 123-130.**
4. **Agrawal S.S, Pruthi Jatin, (2011) Development and evaluation of matrix type transdermal patch of Ethinylestradiol and Medroxyprogesterone acetate for ant-implantation activity in female wistar rats, accepted for publication in Contraception.**
5. **Agrawal S.S, Pandey Maneesha, (2011) Antiproliferative effects of *Datura innoxia* extract in cervical HeLa cell line, Journal of pharmacy research, 4 (4), 0974-6943.**
6. **Agrawal S.S, Saraswati Sarita (2011) Cytotoxic and antitumor effects of brucine on Ehrlich ascites tumor and human cancer cell line, accepted for publication Elsevier Editorial System(tm) for Life Sciences Manuscript Number: LFS-D-10-01006R1**
7. **Agrawal SS, Saraswati S, Pandey M, Mathur R (2011) Boswellic acid inhibits inflammatory angiogenesis in a murine sponge model, Microvasc Res., 82(3):263-8. Epub 2011 Aug 12.**
8. **Agrawal SS, Gupta SK, Kalaiselvan V, Srivastava S, Saxena R (2011) Evaluation of anticataract potential of Triphala in selenite-induced cataract: In vitro and in vivo studies. J Ayurveda Integr Med,1(4):280-6.**
9. **Agrawal SS, Saraswati S, Mathur R, Pandey M, (2011) Antitumor properties of Boswellic acid against Ehrlich ascites cells bearing mouse. Food Chem Toxicol. 2011 49(9):1924-34.**
10. **Agrawal SS, Chapter authored "Biological Activity of Seeds of Wild Banana (*Ensete superbum* Cheesm, Family Musaceae), Nuts and Seeds in Health and Disease Prevention", Nut & Seeds in Health and Disease Prevention – Chapter, 2011, 1167-1172 by Elsevier**
11. **Gupta SK, Kumar B, Nag TC, Agrawal SS, Agrawal R, Agrawal P, Saxena R, Srivastava S Curcumin prevents experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant, and anti-inflammatory mechanisms. J Ocul Pharmacol Ther. 2011 Apr;27(2):123-30.**
12. **Agrawal S.S, Saraswati1, R. Mathur, M. Pandey. Brucine, a plant derived alkaloid inhibits inflammatory angiogenesis in a murine sponge model. International journal of cell biology.**
13. **Agrawal SS, Saraswati S, Mathur R, Pandey M. Antitumor properties of Boswellic acid against Ehrlich ascites cells bearing mouse. Food Chem Toxicol. 2011 Sep;49(9):1924-34.**
14. **Gupta SK, Kumar B, Nag TC, Agrawal SS, Agrawal R, Agrawal P, Saxena R, Srivastava S Curcumin prevents experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant, and anti-inflammatory mechanisms. J Ocul Pharmacol Ther. 2011 Apr;27(2):123-30.**
15. **Agrawal SS, Saraswati S, Mathur R, Pandey M. Cytotoxic and antitumor effects of brucine on Ehrlich ascites tumor and human cancer cell line. Life Sci. 2011 Aug 1;89(5-6):147-58.**
16. **Saraswati S, Pandey M, Mathur R, Agrawal SS. Boswellic acid inhibits inflammatory angiogenesis in a murine sponge model. Microvasc Res. 2011 Nov;82(3):263-8.**
17. **Agrawal SS, Pruthi JK. Development and evaluation of matrix type transdermal patch of ethinylestradiol and medroxyprogesterone acetate for anti-implantation activity in female Wistar**

rats. Contraception. 2011 Nov;84(5):533-8.

18. **Agrawal SS, Saraswati S, Mathur R, Pandey M. Antitumor properties of Boswellic acid against Ehrlich ascites cells bearing mouse.** Food Chem Toxicol. 2011 Sep;49(9):1924-34.
19. **S.S. Agrawal , Saraswati1, R. Mathur, M. Pandey. Brucine, a plant derived alkaloid inhibits inflammatory angiogenesis in a murine sponge model.** International journal of cell biology.

## **YEAR 2010:**

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1. Gupta SK, Kalaiselvan V, Srivastava S, Saxena R, **Agrawal SS. Trigonella foenum-graecum (Fenugreek) protects against selenite-induced oxidative stress in experimental cataractogenesis.** Biol Trace Elem Res. 2010 Sep;136(3):258-68.
2. 100) **Agrawal SS, Ittiyavirah SP. Role of cytokines in anti-implantation activity of H2 receptor blockers in albino Wistar rats.** Immunopharmacol Immunotoxicol. 2010 Mar;32(1):92-8.
3. 101) **Agrawal SS, Aggarwal A. Randomised, cross-over, comparative bioavailability trial of matrix type transdermal drug delivery system (TDDS) of carvedilol and hydrochlorothiazide combination in healthy human volunteers: a pilot study.** Contemp Clin Trials. 2010 Jul;31(4):272-8.
4. 102) **Agrawal SS, Alvin Jose M. Roxatidine, an H(2) receptor blocker, is an estrogenic compound--experimental evidence.** Syst Biol Reprod Med. 2010 Aug;56(4):286-91.
5. 103) Gupta SK, Kalaiselvan V, Srivastava S, **Agrawal SS, Saxena R. Evaluation of anticataract potential of Triphala in selenite-induced cataract: In vitro and in vivo studies.** J Ayurveda Integr Med. 2010 Oct;1(4):280-6.

## **YEAR 2009:**

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1. **Agrawal S.S, Maninder Minu, Anand T, Wakode S.R. Narsimhan B. Synthesis ,antimicrobial activity and QSAR studies of new 2,3-disubstituted -3,3a,4,5,6,7 hexahydro-2H –indazoles.** Bioorganic and medicinal chemistry letters 19(2009) 296Q-2964.
2. **Agrawal S.S, Monica K. Isolation , charecterisation & anti-fertility activity of the active moiety from the seeds of Ensete Superbum Cheesm (Banakadali).** Journal of Natural Remedies Vol.9/1 2009 000-000
3. S.K.Gupta , V..Kalai Selvan , **S.S.agrawal** , Rohit Saxena . **Advances in pharmacological strategies for the prevention of cataract development.** Indian J. Opthomology. 2009: 57 175-183
4. S.K.Gupta, V.Kalaiselvan, Ashish sharma , Sushma Shrivastava. **Agrawal .S.S. Anticatrtract potential of Phyllanthus niruri in galactose induced cataractogenesis of rat.** Indian Journal Of Opthamlology. 2009 9 (6) 1011-1015.
5. **Current concept in pathophysiology of glaucoma.** Agrawal R. Gupta .S.K. Agrawal Puneet. Rohit Saxena , **Agrawal S.S.** 2009. Vol 57. 257-266.
6. **Agrawal SS, Alvin Jose M. Anti-implantation activity of H2 receptor blockers and meloxicam, a COX-**



## YEAR 2008:

1. **Agrawal SS**, Gupta M. **GATE MCQs in Pharmacy – Third Edition.**
2. **Agrawal S.S**, Gupta S.K, Kalaiselvan, Sushma.S,Saxena R. **Potential of traditional food supplement, soya bean as a novel anti cataract agent.** International journal of integrative biology.2008,Vol,3 No.1,9.
3. Monica, K., **Agrawal S.S** & Sanjay P.N. **Charecterisation of chroman derivative isolatd from the seeds of Ensete superbum Cheesm.** Pharmacognosy Magazine Vol.4 , Issue 15(supplI) Jul-Sep,2008.
4. **Agrawal S.S**, Rajagopal K. **Nicotine Contents in various toothpowders (dant manjans): Measurement and Safety Evaluation.** Food and Chemical Toxicology, Available online 24 December 2008.
5. Talwar G.P. Sajad A.D & **S.S. Agrawal et al.** **A novel Polyherbal microbicide with inhibitory effect on bacterial fungal and viral genital pathogens.** International journal of Antimicrobial Agents 32 (2008) 180-185.
6. **Agrawal S.S**, Jose Alvin, **Evaluation of anti-fertility activity of H 2 receptor blockers and meloxicam a COX inhibitor in albino wistar rats.** Contraception, 2009.
7. Kachroo M, **Agrawal S.S** **Isolation, Characteisation & anti-fertility activity of the active moiety from the seeds of Ensete superbum cheesum (Banakdali)** Journal of natural remedies 5; 2008.
8. Talwar GP,Dar S, Rai MK, Mitra D, Doneel F, Schiler JP, **Agrawal S.S**, Bansal K, A **a novel polyherbal microbecide with inhibitory effect on bacterial, fungal, and viral united pathogens.** Int. J. Antimicrobial agent 3; 2008.
9. Maninder M, Ananda T, Sharad RW, **Agrawal S.S**, Balasubramanian N **3,4- Disubstituted-1,2,3,4,5,6,7,8-Octahydroquinazoline-2-thione:Synthesis, Anti-microbial Evaluation and QSAR Invstigations using Analysis.** Arch.Pharm Chem.Life Sci 2008, 341, 231-39.
10. Talwar G.P. Sajad A.D & **S.S. Agrawal etal.** **A novel Polyherbal microbicide with inhibitory effect on bacterial fungal and viral genital pathogens.** International journal of Antimicrobial Agents 32 (2008) 180-185.
11. Gupta S.K, Saxena R, Agrawal R, Niranjan D Galpalli ,Srivastava S, **Agrawal S.S** **The anti-inflammatory effects of curcuma longa and Berberis aristata in endotoxin induced uveitis in rabbits.** Investigative Ophthalmology &Visual Sciences 27,3; 2008.
12. Agrawal R, Gupta S.K, **Agrawal S.S**, Srivastava S, Saxena R, **Oculohypotensive effects of Foeniculum vulgare in experimental models of Glaucoma.** Indian J of Physiology &Pharmacology,4; 2008.
13. Agrawal R, Gupta S.K, **Agrawal S.S**, Srivastava S, Saxena R, **Topical application of single drop of Daucus carota seed extract lowers intraocular pressure in experimental animals models.** Indian J of experimental Biology 3; 2008.
14. **Agrawal S.S**, Gupta S.K, Kalaiselvan, Sushma.S, Saxena R. **Potential of traditional food supplement, soya bean as a novel anti cataract agent.** International journal of integrative biology.2008,Vol,3 No.1,9.

15. Renu Agarwal, Suresh Kumar Gupta, Sushma Srivastava, Puneet Agarwal, **Shyam Sunder Agrawal**. **Therapeutic potential of Curcuma longa, the golden spice of India, in drug discovery for ophthalmic diseases** Expert Opinion on Drug Discovery, February 2009, Vol. 4, No. 2, Pages 147-158
16. Suresh Kumar Gupta, Renu Agarwal, Sushma Srivastava, Rajani Mathur, Niranjana D Galpalli, VKalai Selvan, **Shyam Sunder Agrawal**. **Therapeutic potential of green tea: a new horizon in drug discovery**. Expert Opinion on Drug Discovery, March 2007, Vol. 2, No. 3, Pages 349-359.
17. Renu Agarwal, **S S Agrawal**, S.K.Gupta **Clinico- Experimental studies on cardioprotective properties of Terminalia arjuna : A review**, Proceedings of International Symposium on “ Recent Advances in Cardiovascular Sciences”. Vol-II 219-232.
18. Monica, K., **Agrawal S.S** & Sanjay P.N. **Characterisation of chroman derivative isolated from the seeds of Ensete superbum Cheesm**. Pharmacognosy Magazine Vol.4 , Issue 15(suppl) Jul-Sep,2008.
19. **Agrawal S.S**, Rajagopal K. **Nicotine Contents in various toothpowders (dant manjans): Measurement and Safety Evaluation**. Food and Chemical Toxicology, Available online 24 December 2008.
20. Paridhavi M, **Agrawal S.S**. **Content uniformity study of polyherbal formulation by different analytical techniques : An attempt**. Hamdard Medicus Vol. 51, No.1 2008
21. Renu Agarwal, S.K.Gupta, Sushma Shrivastava, Rohit Saxena, **S.S.Agrawal**. **Intra-ocular pressure lowering activity of topical application of Aegle-marmelos –fruit extract in experimental animal models**. Ophthalmic research 2008.1-5.

## **YEAR 2007:**

1. **Agrawal S.S**, G Narendra Kumar **‘Proceedings of International Symposium on - Recent advances in cardiovascular Sciences’** in 14-15th Feb 2007, DIPSAR.( chief editor).
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### **Books/Chapters/Monographs (Authored/ Edited)**

*The following Polyherbal formulations and single drugs were standardized and their monographs were published in Unani Pharmacopoeia, Department of Ayush, Government of India:*

- 1) **ZORROR-E-QULA** -- The Unani Pharmacopoeia of India. Vol I, Part I, Page no. 35, Aug 2007. Vol III, Part I, Page no. 33, Aug 2007.
- 2) **ZOROOR-E-GAOZABAN** -- The Unani Pharmacopoeia of India. Vol II, Part I, Page no. 36, Aug 2007.
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### **Single drugs standardized**

- 1) **Citrus media** Linn. -- The Unani Pharmacopoeia of India. Vol III, Part I, Page no. 109, Aug 2007.
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**4 More drugs are to be included in Unani Pharmacopoeia, Department of Ayush, Govt. of India.**