Bio-data

Dr. Amber Vyas

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Date of Birth: 6th April, 1979

EDUCATIONAL QUALIFICATION

Year	Examination	Division/Grade	University/ Board
2011	Ph. D	Awarded	Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.)
2006	M.Pharm (Pharmaceutics)	71.28 %	K.L.E.S's College of Pharmacy, Belgaum, (K.A) Affiliated to RGUHS, Bangalore
2003	B. Pharm	63.2 %	B.R. Nahata College of Pharmacy, Mandsaur (M.P) Affiliated to RGPV Bhopal
2003	GATE	80.34 percentile	IIT, Madras, Chennai
1997	H.S.C	74 % (PCB)	Dashpur Vidhyalaya, Mandsaur M.P. Board, Bhopal

AWARDS & HONORS & FELLOWSHIPS

- ♣ Recipient of Raman Fellowships for Post Doctoral Research in USA in year 2015-16
- **Recommended** for **UGC-Research Award** in year 2013-14 and 2014-15.

- Received International travel grant from Grant Cell of UGC, Pt. R. S. U and from ICMR for presenting research work in International Conference at Italy, Pisa in year 2013.
- **Head**, **Drug information Center**, Raipur, Run by Chhattisgarh State Pharmacy council and funded by WHO India country office via. Karnataka State Pharmacy Council.
- Recipient of **Young scientist award-2011** (Best oral presentation) in National conference "Impact of nanotechnology on drug discovery and development" on 25-27 June 2011 at Koi Resort, Shimla (H.P.) organized by Pharmanext and medixfora.
- Recipient of **Young scientist award-2010** (Medical sciences including Pharmaceutical Science) in 8th Chhattisgarh young scientists congress of C.G. council of science and technology.
- ♣ Qualified **National Level Test GATE-2003** conducted by Indian Institute of Technology Madras, Chennai with 80.34 percentile. All India rank 1257.
- Received AICTE-JRF Scholarship for pursuing M.Pharm

RESEARCH PROJECTS AWARDED AND HANDLED

- ♣ "Preparation and characterization of cyclodextrin based nanostructured lipid carriers for poorly soluble alkylating agent" agency University Grants Commission,

 Delhi, Sanction letter no UGC/MRP- F. No. 42-706/2013(SR), Amount

 Rs.11,07,500.00/- in year 2013.
- "Development and Characterization of supramolecular system of drug-cyclodextrin complexes encapsulated in Rosin microspheres" Agency Chhattisgarh Council of Science & Technology, Raipur (C.G.), [CGCOST] Sanction letter no. CCOST/MRP/2012/2012 Endt. No. 1926, Amount Rs. 3, 55,000.00/- in year 2012.

- ♣ Member, Board of Studies and Syllabus designing Committee, for Pharmacy, Agency, Directorate of Technical Education, Chhattisgarh, India.
- ♣ Member, Board of Studies University Institute of Pharmacy, Pt. Ravishankar Shukla
 University, Raipur, (C.G) India
- Approved **Ph.D. Guide** in Pharmacy under faculty of technology at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India.
- **♣ Observer** in AIEEE and JEE-Mains organized by CBSE [Central Board of Secondary Education], INDIA.
- **♣ Examiner** and paper setter in Chhattisgarh Swami Vivekananda technical University, Bhilai (C.G.)
- **Examiner** and paper setter in Pt. Ravishankar Shukla University, Raipur (C.G.)
- **Examiner** and paper setter in Jiwaji University, Gwalior (M.P.)
- **Examiner** in Vikram University, Ujjain (M.P.)
- **Examiner** in Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P.)
- **Reviewer** in Journal: Molecular Pharmaceutics (ACS Publication) (ISI Impact Factor of 3.500 in 2007, as reported in the 2007 Journal Citation Reports® by Thomson Reuters)
- **Assistant Controller** in University Examinations, Pt. R. S. S. U, Raipur (C.G.)

MEMBERSHIP OF PROFESSIONAL BODIES

- Registered Pharmacist in M.P. State Pharmacy Council Reg. No. 15689
- Life member of **IPA** Indian pharmaceutical association form January 2001 onwards Membership no. MP/MAN/LM/0024
- Life member of **APTI** (The association of Pharmaceutical teachers of India) from August 2006 onwards. Membership no. C.G./LM-025
- ♣ Treasurer in APTI Chhattisgarh State Branch.

FOREIGN VISIT

♣ Presented research poster in "3rd Conference on Innovation in Drug Delivery: Advances in Local Drug Delivery" organized by ADRITELF (Associazione Docentie Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche), ITALY, and APGI (Association de Pharmacie Galénique Industrielle – International Society of Drug Delivery Sciences and Technology), France on, Preparation, Evaluation and Optimization of Nanostructured Lipid Carriers for Topical Delivery of Anti-Cancer Drug, dated 22 - 25 September, 2013 PISA, ITALY.

ACADEMIC AND RESEARCH TENEURE [EXPERIENCE]

- **♣** Total Teaching Experience: 9 Years 07 Months
- ₩ Worked as Lecturer at Bajiraaoji Karanjekar college of Pharmacy, Sakoli, Dist. Bhandara (Maharashtra) from 18th October 2005 to 21 June 2006.
- Working as a Lecturer (Temporary Post/ contract) at Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 22 June 2006 to 13 October 2008.
- Working as Assistant Professor (Permanent Post) at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 14 October 2008 to till date.
- Research Experience: 5 Years
- One Year: During M.Pharm
- Four Years during Ph.D.
- P.G. Teaching Experience: 8 Years 06 months from 11 November 2006 to till date
- U.G. Teaching Experience: 9 Years 07 months from 18 October 2005 to till date

SEMINARS/CONFERENCES/WORKSHOPS ORGANIZED

- Organizing Secretary in Golden Jubilee National Conference on Nanotechnology: Advances, Pitfalls and future challenges organized by University Institute of Pharmacy, Pt. R. S.S.U, Raipur (C.G.) from 28th – 30th April 2014.
- Treasurer in U.G.C.-S.A.P sponsored National Seminar on "Advances and Avenues in the Development of Cargoes for Bioactives" organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India on 31 Jan- 02 Feb. 2013.
- **Coordinator** in National conference on "Comparative Analysis between Conventional"& Current Research Trends in Pharmacy" organized by Invertis Institute of Pharmacy, Invertis University, Bareilly, on 16th September, 2012.
- **Member** Local organizing committee in U.G.C sponsored national seminar "Advances in pharmaceutical research" organized University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India. On 28-30 Jan. 2011.
- ♣ Member Local organizing committee in U.G.C. Sponsored seminar on "Recent advances in novel and cosmetic technology" organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India; 19-20 March 2007.

RESEARCH INTEREST

• Pharmaceutics, cyclodextrin complexation, novel drug delivery system with special reference to cancer.

TRAINING/WORKSHOP/STAFF DEVELOPMENT PROGRAMS ATTENDED

AICTE Sponsored Staff Development Programme on "Recent Advances in Designing of novel formulation for plant actives and extracts." at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 03rd – 17th December 2013.

- 3-days **UGC Sponsored National Workshop** on Chromatographic and Spectroscopic analysis for phytoconstituents held at University Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur from 14th 16th March 2013.
- **Workshop** on "Chromatographic techniques" at University Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur (C.G.), India on 13th December 2011.
- UGC-Sponsored Workshop on "Science citation index, social science index, impact factor, citation index and h- index of research publications" organized by UGC- Academic staff college Pt. Ravishankar Shukla University Raipur (C.G.), India on 10/09/2011.
- AICTE Sponsored SDP (Staff Development Programme) held at Gayatri college of Pharmacy, Sambalpur (ORRISA), India from 26th April 01st May, 2010. [Theme Recent advancements in pharmaceutical quality control techniques]
- AICTE Sponsored SDP (Staff Development Programme) held at Institute of Pharmacy,
 Pt. Ravishankar Shukla University Raipur (C.G.), India from 24th Feb 10th March, 2006.
 [Theme Current Trends in Pharmaceutical analytical techniques]
- Five days training on "Drug Information" at Bangalore under project title "Setting up
 of drug information center in selected states in India" funded by WHO India country
 office at Karnataka State Pharmacy Council 2006.

RESOURCE PERSON IN NATIONAL SEMINARS/CONFERENCES

- CG-COST Sponsored National Conference on Pulsatile Drug Delivery System: A promising approach towards chronobiological diseases. Organized by Columbia College of Pharmacy, from 23-24 August 2014.
- AICTE Sponsored Staff Development Programme on "Emerging trends in herbal and novel drug delivery systems" Organized by Gondia educational societies Manohar bhai Patel Institute of Pharmacy, Gondia, Maharashtra on 05th June 2012.

- AICTE Sponsored Staff Development Programme on "Development Valuation & Standardization of Classic Indian Formulations" Organized by Columbia Institute of Pharmacy Raipur, (C.G) India from 06th - 17th May 2012.
- AICTE sponsored National seminar on "Phytomedicine avenues and challenges in formulation development" organized by Gondia educational societies Manohar bhai patel Institute of Pharmacy, Gondia, Maharashtra; on 7th January 2012.
- U.G.C sponsored national seminar "Advances in pharmaceutical research" organized University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India from 28th -30th January 2011.
- P.C.I. sponsored one day Orientation programme "Advances in pharmaceutical research and technology" organized by Columbia College of pharmacy, Tekari, Raipur (C.G.) India on 24th Feb. 2008
- U.G.C. Sponsored seminar on "Recent advances in novel and cosmetic technology" organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India from 19th -20th March 2007.

TECHNICAL SKILLS

- Computer knowledge
- ♣ Microsoft office, well versed in internet exploring with scientific and patent searching
- ♣ Instruments handled: HPLC Shimadzu, UV Spectrophotometer (Shimadzu pharma SPEC 1700), FTIR (Shimadzu 8400S), Viscometer (Brookfield), Stability Chamber (Remi), Lyophilizer (Thermo Heto), Tablet Machine (Shakti 12 station), Tablet Dissolution Apparatus (Electro Lab), Bulk Density Apparatus (Electro Lab), Abbes Refractometer, Metabolic shaker, Continuous shaker, Rota evaporator, Malvern Zeta Sizer.

- ♣ Player of "District level Senior Volley ball Team" District, Mandsaur (M.P.)
- ♣ Caption of P.G. Wing Volley ball team of K.L.E.S.'s College of Pharmacy, Belgaum, (K.A.) Runner-up Volley ball Team in year 2004-2005.
- ♣ Caption of U.G. College Volley ball team of B.R. Nahata College of Pharmacy, Mandsaur (M.P.) Championship winner in year 2001-2002
- ♣ Co-coordinator for blood donation camp organized by Govt. hospital and red cross society for social welfare at Sakoli, Dist. Bhandara, (Maharashtra)

RESEARCH PAPER PRESENTED/ACCEPTED IN CONFERENCES AND SEMINARS

- ♣ Presented research paper entitled "Formulation and Evaluation of topical gel loaded with nano lipid carriers of cyclodextrin complexed anticancer drug for treatment of skin cancer." On theme Inculcating collaborative research between different branches of pharmacy and allied sciences; organized by Sri Rawatpura Sarkar College of Pharmacy, Kumhari, Durg from 2nd – 4th September 2014.
- ♣ Presented research poster entitled "Preparation and characterization of lipid based delivery system for topical treatment of acne." in 65th Indian Pharmaceutical Congress held at New Delhi, Amity University 20th 22nd December 2013.
- ♣ Oral presentation in National conference on "Comparative Analysis between Conventional"& Current Research Trends in Pharmacy" organized by Invertis Institute of Pharmacy, Invertis University, Bareilly, on 16th September, 2012.
- ♣ Presented research poster in 1st Annual National Convention of Association of Pharmacy Professionals based on *Theme: Quality Pharmaceutical education and research-need of hour* on "Development And Characterization Of Cyclodextrin Nanosponges: A Novel Drug Delivery System For Delivery Of Poorly Soluble Drug." held at Hotel Surendra Vilas, Bhopal (MP) on 7th April, 2012

- ♣ Presented research poster in 63rd Indian Pharmaceutical Congress organized by IPA held at Bangalore on 16-18 December, 2011.
- ♣ Presented research poster in 62 Indian Pharmaceutical Congress organized by IPA held at Manipal University, Manipal (Karnataka) on 17-19 December, 2010.
- ♣ Presented research poster in National Seminar "Advance approaches in drug designing and drug targeting" organized by GRY Institute of pharmacy Borawan (Khargone) MP on 31st March 2009
- ♣ Presented research poster in "59th Indian Pharmaceutical Congress" organized by "59th Indian Pharmaceutical Congress association held at Banaras Hindu University, Varansi" from 20-23 December, 2007.
- ♣ Presented research poster in AICTE sponsored national "Quality perspectives of herbal cosmetics" organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India held on 8-9 Sept 2007.
- ♣ Presented research poster in national conference on "Current trends of nanotechnology in advanced drug delivery" organized by Rungta College of Pharmaceutical Sciences and Research, Bhilai, (C.G) India on 30th March 2007.
- ♣ Presented research poster in "Biohorizon-07" joint Indo Korean symposium on biochemical Engineering and Biotechnology organized by "Indian Institute of technology, Delhi" held at biochemical engineering & biotechnology department, IIT Delhi, India held on 22-24 Feb. 2007.
- ♣ Presented research poster in CCOST sponsored "5th Chhattisgarh young scientist congress, 2007" organized by Chhattisgarh swami Vivekananda technical university Bhiali, (C.G) India held on 28 Feb.-1 March 2007.
- Research paper accepted in "Controlled & Targeted Drug Delivery Nanotechnology" organized by Department of Pharmaceutical Sciences Dr. H. S Gour University Sagar (M.P) India held on 17th & 18th March 2007.

- ♣ Presented research poster in U.G.C. sponsored seminar on "Recent advances in novel and cosmetic technology" organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India held on 19-20 march 2007.
- Research paper accepted in "APTI-11th Annual National Convention" held at, Banglore (K.A) India held on 1-3 September 2006.
- ♣ Attended as delegate 58th Indian Pharmaceutical Congress organized by IPA held at Bombay exhibition center, Goregaon, Mumbai (Maharashtra) India held on 1-3 December 2006.
- ♣ Presented research poster in 2nd International Symposium on drug discovery and process research" held at KLES's college of pharmacy, Belgaum (K.A) India held on 10-12 February 2006.
- ♣ Presented research poster in U.G.C. sponsored Seminar "Current advances in Phytopharmaceuticals" organized by "Indian Society of Pharmacognosy", held at Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G) India held on 11-12 March 2006.
- ♣ Presented research poster in Sixth international symposium on "Advances in technology and business potential of new drug delivery systems" organized by controlled release society-Indian chapter at Mumbai India held on 18-19 Feb. 2005.
- ♣ Attended as delegate 2nd global congress on cosmetic technologies, organized by Indian Cosmetic Technologist Association held at K.L.E.S's College of pharmacy, Belgaum (Karnataka) India held on 13th-15th February 2004.
- ♣ Presented Research poster in "International conference for recent advances in biomedical science and therapeutic systems (ICRABTS)" held at Bundelkhand University, Kanpur Road, Jhansi (U.P) India held on 13-15 Jan 2004.

2015

- 1) Rosin: Recent advances and Potential applications in Novel Drug Delivery System.

 Journal of Bioactive and Compatible Polymers. 2015; 1-16; [Impact factor 2.500]
- 2) A comprehensive review on cyclodextrin-based carriers for delivery of chemotherapeutic cytotoxic anticancer drugs. Biomed Research International. 2015; Article ID 198268. 1-16 Hindawi Publishing House. [Impact factor 1.70]
- 3) A schematic overview on computational methodologies for designing synthetically biological products. Current synthetic and systems biology. 2015; 3 (2): 122-125.
- 4) Inclusion complexes of bendamustine with β-CD, HP-β-CD and Epi-β-CD: *In-vitro* and *in-vivo* evaluation." Drug development and Industrial Pharmacy. 2015; 1-11 [Impact factor 2.006]
- 5) UV-Spectrophotometric method for estimation of Altretamine in bulk and pharmaceutical solid dosage form. Journal of atoms and molecules. 2015; 5 (1): 860-871.

2014

- 6) Preparation and characterization of cyclodextrin complexed bendamustine encapsulated in PLGA nanospheres for sustained delivery in cancer. Pharmaceutical Development and Technology; November 2014: 01-11 (Informa Impact factor 1.3)
- 7) Preparation, Characterization and Optimization of Altretamine loaded solid lipid nanoparticles using Box-Behnken design and Response Surface Methodology. Artificial cell, nanomedicine and biotechnology, September 2014: 01-10 (Impact factor 0.85)
- 8) Nanostructured Lipid Carriers (NLCs) and their current application in targeted drug delivery." Artificial Cell, nanomedicine and biotechnology. March 2014; 1-14. Informa (Impact factor 0.85)
- 9) Carrier based drug delivery system for acne. The Scientific world Journal. Hindawi Publication. Volume 2014 (February), Article ID 276260, 14 pages. (Impact Factor 1.7)
- 10) Synthesis, characterization and application of epichlorohydrin-β-cyclodextrin polymer. Colloids and Surfaces: Biointerface. 2014: Vol. 114: 130-137. (Impact Factor- 3.5)

2013

11) The Potentials of Nanotechnology based drug delivery system for treatment of ovarian cancer. Artificial Cell, nanomedicine and biotechnology. 2013: 1-7. Informa (Impact factor – 0.85)

- 12) Technologies to counter poor solubility issues: An updated Review. Research Journal of Pharmacy and Technology. Volume 6 (11) November 2013; Page 1258-1270.
- 13) Innovative approaches in wound healing: trajectory and advances. Artificial Cells, Nanomedicine, and Biotechnology, January, 2013, Informa (Impact factor 0.85)

2012

- 14) Recent Nanoparticulate Approaches of Drug Delivery for Skin Cancer. Trends in Applied Sciences Research 7(8): 620-635, 2012. (Indexed in Thompson Reuter)
- 15) Preparation, characterization and pharmacodynamic activity of supramolecular and colloidal systems of rosuvastatin–cyclodextrin complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, Volume 66, 2012, 251-259. (Impact Factor-1.251).
- 16) Chervil: A Multifunctional Miraculous Nutritional Herb. Asian Journal of Plant Science 2012; 11 (4): 163-171. (Indexed in Thomson Reuter)
- 17) Importance of Pharmacovigilance in Indian Pharmaceutical Industry. Asian Journal of Research in Pharmaceutical Sciences. 2012; 1(1): 04-08.
- 18) Oral Submicron Emulsion- A batter approach for oral delivery of BCS class-II drugs. Pharmacia, Vol I, Issue 3 June 2012, 73-83.

2011

- 19) TLC Densitometric Method for the Estimation of piperine in Ayurvedic formulation Trikatu Churna. Oriental Journal of Chemistry 2011, Vol. 27, No. (1): Pg. 301-304 (Indexed in Thomson Reuter)
- 20) Development and Validation of Spectrophotometric Method for Estimation of Cephalexin in Bulk and Tablet Dosage Forms. Oriental Journal of Chemistry, 2011, Vol. 27, No. (1): Pg. 359-362 (Indexed in Thomson Reuter)
- 21) Evaluation of Antipyretic Potential of Aegle marmelos (L.) Correa leaves. Oriental Journal of Chemistry, 2011, Vol. 27, No. (1): Pg. 253-257 (Indexed in Thomson Reuter)
- 22) Acute and Chronic Effect of Hibiscus rosa sinensis Flower Extract on Anxiety Induced Exploratory and Locomotor Activity in Mice. Journal of Plant Sciences 6(2): 2011, 102-107.

2010

23) Encapsulation of cyclodextrin complexed simvastatin in chitosan nanocarriers: A novel technique for oral delivery." Journal of Inclusion Phenomena and Macrocyclic

- Chemistry, Volume 66, 2010, 251-259 (Impact Factor- 1.251).
- 24) TLC Densitometric methods for quantification of gallic acid in Triphala churna for routine quality control. Research J. of Pharm. And Tech, 3(4): 2010, 230-233.
- 25) HPLC determination of Piperine in 'Trikatu Churna' a potent Ayurvedic Formulation for routine quality control. Asian J. Research Chem 3(4): 2010, 183-186.

2009

- 26) Supercritical Fluid Technology in Pharmaceuticals: An overview. Research Journal of Pharmacy and Technology, Volume 02, Issue 01, Jan–March, 2009 Page no. 65-71.
- 27) Microwave assisted extraction for phytoconstituents An overview. Asian Journal of Research in Chemistry, Volume2 (1): Jan.-March, 2009 page no. 19-25.

2008

- 28) Biological Screening Procedures for Anti-Drugs. http://www.pharmainfo.net on 06/07/2008.
- 29) Cyclodextrin based novel drug delivery systems. Journal of Inclusion Phenomena and Macrocyclic Chemistry, Volume 62, Numbers 1-2 / October, 2008, 23-42. (Impact Factor- 1.251)
- 30) Nocturia: Prevalence and therapeutic strategies. Research Journal of Pharmacy and Technology, Volume 01, Issue 04, October- December, 2008 Page no. 324-327.

2007

31) *Pharma Profession: Opportunities ahead*" Published in http://www.pharmainfo.net on 19th January 2007.

2006

32) *Protein Nanotechnology- An Overview*" The Pharmaceutical Magazine, Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (Dec 2006).

BOOK CHAPTERS

- Utilization of Cyclodextrin and its Derivatives in Novel Delivery of Herbal Constituents and Bioactives. Bioactive Phytochemicals: Perspectives for Modern Medicine Vol.2; Daya Publishing House, New Delhi, Page no- 471-498, 2014. [ISBN: 9788170359111]
- 2) Zanthoxylum Alatum: A Miraculous Species from Genus Zanthoxylum. Bioactive Phytochemicals: Perspectives for Modern Medicine Vol.2; Daya Publishing House, New Delhi; Page no- 381-397, 2014. [ISBN: 9788170359111]

3) Modified Natural Polymers: Its Needs, Approaches and Applications in Drug Delivery. Bioactive Phytochemicals: Perspectives for Modern Medicine Vol. 4; Daya Publishing House, New Delhi, Page no- 351-395, 2015. [ISBN: 9788170359111]

BOOKS

- 1) Practical's in Medicinal Chemistry, Published by A& V Publication, India, First Ed. 2015, ISBN: 978-93-85525-05-6.
- 2) CVS Biomarker used as Diagnostic Tool, Published by A& V Publication, India, First Ed. 2015, ISBN: 978-93-85525-04-9.

SUMMARY

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I hereby declare that all the information in my resume is true to the best of my knowledge.

Date:

Place: Raipur

Dr. Amber Vyas