


Curriculum Vitae

Full Name:	Dr. MONA SEMALTY			
Designation:	Professor (Associate) Co-Coordinator, SWAYAM Cell			
Department:	Pharmaceutical Sciences			
Campus:	Srinagar/Chauras			
Telephone:	01346 252143	Fax:		
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Education Qualification:	M. Pharm. (Pharmaceutics), MBA (Operations Management); Ph. D.			
Teaching Experience:	22 Years	Research Experience:	21 Years	
Research Interest and Fields of Specialization <ul style="list-style-type: none"> Herbal drug delivery for obesity and hair loss Cyclodextrin and lipid complexes (phytosomes) Micro and nanoparticles for drug delivery OER and MOOC development Academic Writing, Research Methodology, IPR, Skill development 				
Honours & Awards <ul style="list-style-type: none"> MOOCs listed in Class Central's Best Online Courses of All Time (2021 Edn.); My SWAYAM online courses, "Academic Writing" and "Industrial Pharmacy" are figured in Class Central's Best Online Courses of All Time (2021 Edn.). The ranking contains 150 courses from 100+ universities based on 170000 + learner reviews (https://www.classcentral.com/report/top-moocs-2021-edition/; https://www.classcentral.com/collection/top-free-online-courses?page=6) MOOC figured in global top 30 MOOCs in 2020: Academic Writing SWAYAM online course was recognized as the top 30 MOOCs worldwide (as per PIB, 27th April press release; https://pib.gov.in/PressReleasePage.aspx?PRID=1618725). Academic writing MOOC ranked number one in exam registration in India 2019 & 2020. Best Research paper in national Conference 				
Member of Academic Institutions <ul style="list-style-type: none"> Scientific Expert- Ministry of Institution and University Research (MIUR), Italy Peer reviewer- Journals of repute of various major publishers (Springer, Elsevier, Betham, Taylor & Francis, Medknow, Kluwer etc.). Member of the National Panel of UGC's resource persons for MMTTCs Master Trainer of UGC for SWAYAM MOOC developers/ CCs. Member of Inspection and Assessing panel: QCI, PCI. 				
Membership of Scientific Organizations <ul style="list-style-type: none"> Expert DST-SERB, Govt. of India. Member- The Asian Council of Science Editors. Life Member of APTI (UA/LM/028) and IPA (RJ/LM/052). Peer reviewer- various major publishers (Springer, Elsevier, Betham, Taylor & Francis, Medknow, Kluwer, MDPI etc.) of reputed journals. Executive Member of APTI Women's Forum Uttarakhand (2016-19) Registered Pharmacist (Reg. No. 17095; Rajasthan Pharmacy Council). 				
Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered) 30 M. Pharm. Project guided (01 registered). 02 Ph D (01 awarded; 01 registered)				

Research Projects/ MoU undertaken (13; 11 completed, 2 ongoing)

1. UGC SWAYAM MOOC: Indian System of Medicine: Ayurved, 04 credit course; Co-CC, Rs. 13.5 lakh 2025 -26.
2. UGC-DAE CSR, Indore, Studying the crystalline nature of drug/drug excipient composites using ADXRD beamline (BL-12), Indus-2, and its effect on their biopharmaceutical properties, (Principal Investigator), Rs. 7.5 lakh, 2024-27, Ongoing.
3. Major research project, "Studying drug CD complexes using ADXRD beamline (BL-12), Indus 2" (CRS-310), by UGC-DAE CSR, Indore, (Principal Investigator), Rs. 13.70 Lac, 2020-23.
4. Major research project entitled "Synthesis of polymeric cyclodextrin nanoparticles: Effect of radiation" granted to me by UGC-DAE CSR, Kolkata, (Co-Principal Investigator), Rs 13.70 Lac, 2019-22 (Completed).
5. UGC-DAE CSR, Mumbai in collaboration with Bhabha Atomic Research Centre (BARC), Major research Collaborative Research Scheme Project, Mumbai, "Small angle Neutron scattering study of the interaction between drug and cyclodextrins in drug-cyclodextrin complexes", (Co-Principal Investigator) Rs 12.34 Lac, Jan 2017- March 2021 (Completed).
6. UGC SWAYAM MOOC, Co-Course Coordinator; "Academic writing" (15 week, 40 e- modules; 4 credit course), UGC 2018-20; Course developed and available on SWAYAM; Rs 13.5 Lac, Completed.
7. CEC SWAYAM MOOC, Co-Course Coordinator; "Industrial Pharmacy I" (12 week, 40 e- modules; 4 credit course); CEC, 2018-20; Course developed and available on SWAYAM; launched on JULY 2019; Rs 13.5 Lac, Completed.
8. Consultancy Project on Pharmacovigilance programme, Jai Pharma Ltd. Mumbai, a unit of Mylan Pharm. Pvt. Ltd., Logistic support, Dr Ajay Semalty and Dr Mona Semalty, 2016 September Onward.
9. UGC Govt. of India, Major Research Project, Preparation and evaluation of effective herbal formulations for alopecia (baldness) and identification of chief constituent(s), July 1st 2015- June 30, 2018. (Rs. 10.95 Lac), (Principal Investigator).
10. DST-SERC Govt. of India, Project entitled Phytosome in improving hepatoprotective activity of phytoconstituents, (Co-Principal Investigator) Feb. 2008-March 2011 (Completed); (Rs. 20.15 Lac)
11. UGC Govt. of India, Project entitled Development of value added herbal drug delivery systems of some polyphenolic phytoconstituents, (Co-Principal Investigator) March 2010- March 2012. (Completed); (Rs. 1.75 Lac)
12. AICTE Govt. of India, Project entitled Phytosphospholipid complexes in improvement of bioavailability of some herbal drugs, (Co-Principal Investigator) July 2010- July 2012. (Completed); (Rs. 10.00 Lac)
13. Dr Mona Semalty (PI), AICTE Govt. of India, Project entitled "Development & Characterization of Phytopharmaceuticals for Hair Growth Promotion", (Principal Investigator) March 2010- Aug. 2011. (Rs. 4.3Lac).

Administrative Experience

1. Warden of Ganga Higher Studies Girls' Hostel Chauras Campus of H.N.B.G. (Central) University Srinagar Garhwal from 10/03/2025 onwards.
2. Warden of Nandadevi Research Hostel Chauras Campus of H.N.B.G. (Central) University Srinagar Garhwal from 10/03/2025 to 11/09/2025.
3. Member of hostel admission committee 2025 onwards.
4. Warden of Bhagirathi Girls' Hostel Chauras Campus of H.N.B.G. (Central) University Srinagar Garhwal from Aug. 2006 to Oct 2011.
5. Member of hostel admission committee 2006-2011.
6. Co-Coordinator- University SWAYAM Cell
7. Member of Departmental Anti Ragging and Disciplinary Committee, 2012-2022
8. Member of Departmental Gender Sensitization Committee, 2012-2022
9. Co-Coordinator, SWAYAM Cell of University from 2019 Jan.

Scientific Visits Abroad/ International Collaboration

1. Scientific Expert- Ministry of Institution and University Research (MIUR), Italy

Conference/Symposium/Workshop Attended during last five years

International

1. Priyanka Gauniya, **Mona Semalty**, "Phase Solubility Study of Acyclovir and Cyclodextrins for Developing Cyclodextrin Complexes", 31st INDO-US International Conference, KPGU, Vadodara. (Mar 19, 2024)
2. Lokesh Adhikari, Abhijit Saha, **Mona Semalty**, Ajay Semalty. Cyclodextrin Based Biocompatible Nanosystems for Improving Drug Delivery. International Conference on Recent Advances in Material Science (ICRAMS), 15-17 May 2021, Department of Physics, HNB Garhwal University Srinagar Garhwal.
3. Nitin Kumar, Lokesh Adhikari, VK Aswal, Ajay Semalty, **Mona Semalty**, Preparation and Characterization of Naringenin Loaded Nanoparticles, International Conference On Material Science and Applications (ICMSAA), 25-27 November 2019, Department of Physics Chauras Campus, HNBGU Srinagar Garhwal.
4. Sukirti Dobriyal, Lokesh Adhikari, VK Aswal, **Mona Semalty**, Ajay Semalty, Development and Characterization of Acyclovir Nanoparticles for Improved Drug Delivery, International Conference on Material Science and Applications (ICMSAA), 25-27 November 2019, Department of Physics Chauras Campus, HNBGU Srinagar Garhwal.
5. development of safe and effective gastroretentive floating microparticles of metformin hydrochloride, International Conference on Systems in Medicine and Biology (ICSMB 2016), Indian Institute of Technology Kharagpur, India, 4-7 January 2016.
6. Mona Semalty, Madhuri Maher, Ajay Semalty, Cyclodextrin inclusion complexes in improving solubility, dissolution and permeability of acyclovir and effect of hydrophilic excipients, International Conference on Systems in Medicine and Biology (ICSMB 2016), Indian Institute of Technology Kharagpur, India, 4-7 January 2016.
7. **Mona Semalty**, Mixed hydrotropy in improving aqueous solubility and dissolution of poorly water soluble drugs, International Conference on Pharmaceutical Sciences, 14-15 Feb. 2014, SGRRITS Patelnagar Dehradun.

National

8. Priyanka Gauniya, **Mona Semalty**, "Enhancement of Solubility of Naringenin through Complexation with Beta-Cyclodextrin and Hydrox-ypropyl Beta-Cyclodextrin", ITK 2024, Dehradun. (Mar 9–10, 2024)
9. Priyanka Gauniya, **Mona Semalty**, "Enhancing Acyclovir Permeability: β -Cyclodextrin Nanoparticles as Effective Drug Delivery System", 18th USSTC, UCOST in collaboration with UoU and Kumaun University. (Feb 8–9, 2024)
10. Priyanka Gauniya, **Mona Semalty**, "Next Generation IKS Based Medicines: Utilizing Nanotechnology", National Youth Conference on Indian Knowledge System, IIT Roorkee. (Aug 25–27, 2023)
11. Lokesh Adhikari, Abhijit Saha, Mona Semalty, Ajay Semalty. Cyclodextrin Based Biocompatible Nanosystems for Improving Drug Delivery. International Conference on Recent Advances in Material Science (ICRAMS), 15-17 May 2021, Department of Physics, HNB Garhwal University Srinagar Garhwal.
12. Nitin Kumar, Lokesh Adhikari, VK Aswal, Ajay Semalty, Mona Semalty, Preparation and Characterization of Naringenin Loaded Nanoparticles, International Conference on Material Science and Applications (ICMSAA), 25-27 November 2019, Department of Physics Chauras Campus, HNBGU Srinagar Garhwal.
13. Adhikari L, Pandey M, Kotiyal R., Semalty A, Semalty M. Preparation and evaluation of hair growth formulations of Indian ginseng (*Withania somnifera*) for alopecia 1st Annual conference of society for Himalayan Action Research and Development (SHARAD) on Recent Advances in Chemical & Nano Sciences. Department of Chemistry, Pauri Campus, HNB Garhwal University, Srinagar Garhwal. Dated 29-30 October, 2018. (Oral Presentation)
14. Adhikari L, Semalty M, Naruka PS, Aswal VK, Semalty A. Binary complexes of glimepiride with cyclodextrin for improved solubility and drug delivery. 1st Annual conference of society for Himalayan Action Research and Development (SHARAD) on Recent Advances in Chemical & Nano Sciences. Department of Chemistry, Pauri Campus, HNB Garhwal University, Srinagar Garhwal. Dated 29-30 October, 2018.
15. Adhikari L, Semalty M, Naruka PS, Aswal VK, Semalty A. Binary complexes of glimepiride with

cyclodextrin for improved solubility and drug delivery. 1st Annual conference of society for Himalayan Action Research and Development (SHARAD) on Recent Advances in Chemical & Nano Sciences. Department of Chemistry, Pauri Campus, HNB Garhwal University, Srinagar Garhwal. Dated 29-30 October, 2018. (Oral Presentation)

16. Adhikari L, Semalty M, Naruka PS, Aswal VK, Semalty A. Effect of different cyclodextrin in Amphotericin B-cyclodextrin binary complexes: solubility, spectral and small angle neutron scattering study. 1st Annual conference of society for Himalayan Action Research and Development (SHARAD) on Recent Advances in Chemical & Nano Sciences. Department of Chemistry, Pauri Campus, HNB Garhwal University, Srinagar Garhwal. Dated 29-30 October, 2018.
17. Adhikari L, Pandey M, Kotiyal R., Semalty A, Semalty M. Preparation and evaluation of hair growth formulations of Indian ginseng (*Withania somnifera*) for alopecia 1st Annual conference of society for Himalayan Action Research and Development (SHARAD) on Recent Advances in Chemical & Nano Sciences. Department of Chemistry, Pauri Campus, HNB Garhwal University, Srinagar Garhwal. Dated 29-30 October, 2018. (Oral Presentation)
18. Mona Semalty, Mukesh Pandey, Ajay Semalty, Preparation and evaluation of hair growth formulation of *Withania somnifera* fruits for alopecia, National conference on Recent frontiers in Chemistry (NRF 2018), Department of Chemistry, HNB Garhwal University, 27-28 April 2018.
19. Mukesh Pandey, Mona Semalty, Ajay Semalty, Effect of geographical location on total phenol and flavonoid content and antioxidant activity, National conference on Recent frontiers in Chemistry (NRF 2018), Department of chemistry, HNB Garhwal University, 27-28 April 2018.
20. Mona Semalty, Ajay Semalty, Current trends and challenges in pharmaceutical sciences, National seminar, IPGA, BN College of Pharmacy, Udaipur, Rajasthan, 24-25 Sept. 2017.
21. Mona Semalty, Ajay Semalty, Study of Naringenin-phosphatidylcholine and naringenin-beta cyclodextrin interaction in the complexes, National Conference on Study of Matter Using Intense Radiation Sources and Under Extreme Conditions, UGC-DAE Consortium for Scientific Research (UGC-DAE CSR) University Campus, Khandwa Road, Indore 03-06 November 2016.
22. Ajay Semalty, Mona Semalty, Chitosan Microspheres of Diltiazem Hydrochloride: Effect of Drug to Polymer Ratio and Concentration of Crosslinking Agent, National Conference on Recent Advances in Biosciences and Drug Discovery, Department of Pharmaceutical Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar, (3-4 March, 2014).

Invited lectures Delivered: > 200 (Academic writing, OER, Plagiarism, Research methodology, Research ethics, MOOC, blended/ flipped learning, research proposal writing, academic integrity etc.) in various **FDCs & HRDCs/ MMTTCs**.

- Research & Development - II, NEP-2020 Orientation & Sensitization Programme", 21st – 30th October, 2025, MMTTC Maulana Azad National Urdu University, Hyderabad, 24/10/25.
- Nanobiotechnology, Refresher Course on 'Interdisciplinary Life Sciences & Biotechnology', MMTTC HNBGU Srinagar Garhwal, 15/10/25.
- Research & Development - II, NEP-2020 Orientation & Sensitization Programme", 4-13 August 2025, MMTTC Maulana Azad National Urdu University, Hyderabad, 08/08/25.
- Research & Development - II, NEP-2020 Orientation & Sensitization Programme", 16-25 June 2025, MMTTC Maulana Azad National Urdu University, Hyderabad, 20/06/25.
- ICT, NEP Orientation & Sensitization program, MMTTC HNBGU, 30/04/25
- ICT – Nuances of Developing MOOC, NEP Sensitization program, 03/02/25, UGC MMTTC Ranchi University Ranchi
- ICT (Information Communication and Technology), NEP Sensitization program, 04/02/25, UGC MMTTC Ranchi University Ranchi
- ICT – Nuances of Developing MOOC & Proposal Submission, FIP, 20/02/25, UGC MMTTC Ranchi University Ranchi
- ICT (Information Communication and Technology), FIP, 20/02/25, UGC MMTTC Ranchi University Ranchi
- Higher Education and Society, NEP Orientation & Sensitization program, 28/05/24, MMTTC HNBGU

- Research Proposal Writing, NEP Orientation & Sensitization program, 12/06/24, MMTTC Berhampur
- Research Proposal Writing under Research and Development Theme, NEP Orientation & Sensitization program, 08/07/24, MMTTC HNBGU
- Research and Development, NEP Orientation & Sensitization program, 30/07/24, MMTTC HNBGU
- ICT (Information Communication and Technology), STC, 20/09/24, UGC MMTTC Ranchi University Ranchi.
- ICT (Information Communication and Technology), Faculty Induction Program program, 20/09/24, UGC MMTTC Ranchi University Ranchi
- ICT (Information Communication and Technology), NEP Sensitization program, 09/12/24, UGC MMTTC Ranchi University Ranchi
- ICT (Information Communication and Technology), Refresher Course on ICT, 18/12/24, UGC MMTTC Ranchi University Ranchi
- Transition from OER to MOOC, Refresher Course on ICT, 19/12/24, UGC MMTTC Ranchi University Ranchi
- Transition of OER to MOOCs : Concept and Planning, Refresher Course in MOOCs Development and Delivery from 06/02/2024 to 19/02/2024, HRDC Ranchi University, 09/02/24
- Systematic and Practical Approach of Development of MOOC , Refresher Course in MOOCs Development and Delivery from 06/02/2024 to 19/02/2024, 12/02/24
- Soft skill development, NEP sensitization program, MMTTC HNBG university 20/01/24
- Concept of MOOC, FDP organized by Shasun Jain Women's College of Engineering, Chennai, 19/12/23
- MOOC proposal development, FDP organized by Shasun Jain Women's College of Engineering, Chennai, 20/12/23
- Concept of MOOCs, FDP organized by IQAC Deptt of SGRR University Dehradun, 16/11/23
- Preparing proposal for MOOC development, FDP organized by IQAC Deptt of SGRR University Dehradun, 17/11/23
- Nuances of Developing MOOCs: Practical approaches, FDP organized by IQAC Deptt of SGRR University Dehradun, 18/11/23
- Grant proposal writing, FDP on Academic Writing on Enhancing Scholarly Skills, FDC SDS University Uttarakhand, 25-29 September, 29/09/23
- Review/Thesis writing, FDP on Academic Writing on Enhancing Scholarly Skills, FDC SDS University Uttarakhand, 25-29 September, 29/09/23
- Types of academic writing and best practices, One week workshop on Research Methodology, Education Department, HNB Garhwal University Srinagar Garhwal, 25/08/2022.
- Academic Writing: Literature review and management, Advanced Workshop on Academic Writing" for scientists, technical staff, project staff and PhD scholars of CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat from 22-26 August 2022; 25/08/22.
- Plagiarism: Detection, Advanced One-Week Academic Writing workshop (04-08 July 2022) for the faculty members and PG students of Manikaka Topawala Institute of Nursing, Changa, Charotar University of Science & Technology (CHARUSAT), Anand, Gujrat (NAAC-A grade University), 07/07/22.
- Plagiarism: Avoiding, Advanced One-Week Academic Writing workshop (04-08 July 2022) for the faculty members and PG students of Manikaka Topawala Institute of Nursing, Changa, Charotar University of Science & Technology (CHARUSAT), Anand, Gujrat (NAAC-A grade University), 07/07/22.
- Literature review: Best practices, Advanced One-Week Academic Writing workshop (04-08 July 2022) for the faculty members and PG students of Manikaka Topawala Institute of Nursing, Changa, Charotar University of Science & Technology (CHARUSAT), Anand, Gujrat (NAAC-A grade University), 06/07/22.
- Plagiarism, Faculty Induction Programme from 17 May to 15 June, 2022 UGC-Human Resource Development Centre, Kumaun University, Nainital, 26/05/22
- Learning outcome based credit framework, Online Short-Term Training Program on 'Curriculum Development with Special Reference to NEP-2020, FDC, HNBGU, April 07-13, 2022, 08/04/22
- Research Proposal Writing and MOOC: Concept, Gurudakshata Programme, 10th FIP (03/03/22 to

30/03/22) in UGC HRDC Ranchi University Ranchi on 29th March 2022. (Two Lectures)

- Plagiarism: Concept, detection and avoiding, Faculty Induction Programme (21 February-25 March 2022), UGC-Human Resource Development Centre, Kumaun University, Nainital, 10/03/22.
- 'Managing Vital Academic Resource: The Team' Online Short Term Training Program organized by FDC, HNBGU during February 22-28, 2022. February 23, 2022.
- Plagiarism detection tools, Faculty Induction Programme-VII (held between 11-11-2021 to 11-12-2021) at the UGC-Human Resource Development Centre, Kumaun University, Nainital, 22/11/21.
- Literature Management, 7 Day FDP on Research Methodology, Organized by S.S.S. Shasun Jain College for Women University of Madras, 16 November 2021.
- MOOC proposal development, Short Term Course on MOOCs, E-Content Development & OERs (November 10 to November 16, 2021) in the UGC Human Resource Development Centre, the University of Mumbai, November 11, 2021.
- Software tools for research, Summer School-2021 [Theme: Research Methodology & Writing (For all subjects)], 13 August-27 August 2021, UGC-Human Resource Development Centre, Kumaun University, Nainital, August, 21, 2021.
- Plagiarism check, detection and avoiding, Summer School-2021 [Theme: Research Methodology & Writing (For all subjects)], 13 August-27 August 2021, UGC-Human Resource Development Centre, Kumaun University, Nainital, August, 23, 2021
- "E-Content creation: MOOCs & Online Teaching Learning" AICTE Sponsored STTP Organized by Rajarshi Shahu College of Pharmacy, Buldana, Maharashtra, August 10, 2021.
- Writing of Effective Research Grant Proposal, Refresher Course, FDC-HNBGU, March 22, 2021.
- Systematic Review Writing, AICTE sponsored organized by Sanjivani College of Pharmaceutical Education and Research, Kopergaon Mumbai, March 12 2021.
- Meta- Analysis, STTP AICTE sponsored organized by Sanjivani College of Pharmaceutical Education and Research, Kopergaon Mumbai, March 12 2021.
- Journal Targeting for Biomedical Research Publications, FDP: AICTE Sponsored FDP (4th Jan 2021- 16th Jan 2021) on Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy on Education", Lloyd Institute of Management & Technology (Pharm), Greater NOIDA, January 6, 2021
- Journal Metrics for Identifying Quality Journals, FDP: AICTE Sponsored FDP (4th Jan 2021- 16th Jan 2021) on Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy on Education", Lloyd Institute of Management & Technology (Pharm), Greater NOIDA, January 6, 2021
- Author Metrics for Academic Benchmarking, FDP: AICTE Sponsored FDP (4th Jan 2021- 16th Jan 2021) on Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy on Education", Lloyd Institute of Management & Technology (Pharm), Greater NOIDA, January 6, 2021
- Importance of Conducting Research Projects in Academic Career and Preplanning. FDP: AICTE Sponsored FDP (4th Jan 2021- 16th Jan 2021) on Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy on Education", Lloyd Institute of Management & Technology (Pharm), Greater NOIDA, January 5, 2021
- Opportunities for Getting Research Grants, FDP: AICTE Sponsored FDP (4th Jan 2021- 16th Jan 2021) on Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy on Education", Lloyd Institute of Management & Technology (Pharm), Greater NOIDA, January 5, 2021
- Effective Research Proposal Writing, FDP: AICTE Sponsored FDP (4th Jan 2021- 16th Jan 2021) on Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy on Education", Lloyd Institute of Management & Technology (Pharm), Greater NOIDA, January 5, 2021
- Planning & Development of Massive Open Online Courses [MOOCs], NITI AAYOG, Govt. of India Sponsored 7-day National Workshop, A.K. Dasgupta Centre for Planning and Development Vishva Bharati University, Kolkata, December 14 2020.
- Research Proposal Writing, Faculty Induction Programme-I (01/12/2020 to 29/12/2020), UGC-Human Resource Development Centre, Kumaun University, Nainital on 11/12/2020, (Two Lectures).
- Developing adaptability in research in higher education, Faculty Induction Programme-I (01/12/2020 to 29/12/2020), UGC-Human Resource Development Centre, Kumaun University, Nainital on 05/12/2020, (Two Lectures).

- Proposal Submission in SWAYM MOOCs, Workshop for university teachers on MOOCs, e-content development, and OERs (23/11/20 to 28/11/20), UGC HRDC Bangalore University Bengaluru, November 24, 2020.
- Preplanning of SWAYAM MOOCs, Workshop for university teachers on MOOCs, e-content development, and OERs (23/11/20- 28/11/20), UGC HRDC Bangalore University Bengaluru, November 24, 2020.
- “Journal Metrics” and “Author Metrics” Summer School on Research and Publication Ethics by UGC-HRDC Kumaun University Nainital (26/08/20 to 08/09/2020); 05/09/2020. (02 Lectures)
- “Effective Literature Review” and “Using Literature Databases” Summer School on Research and Publication Ethics by UGC-HRDC Kumaun University Nainital (26/08/20 to 08/09/2020); 07/09/2020.
- “Research Proposal Writing” in National Workshop “Publication Ethics: Academic Writing for Research Publication” organized by Department of Education, Assam University Silchar, 25/08/2020.

Workshop/ Conferences/ Courses attended (Last 5 Yrs).

- UGC sponsored Two-weeks Online Interdisciplinary Refresher Course on “Research Methodology & Data Analysis”, organized by UGC HRDC GJU S&T University, Hisar, 14-Sep-2023 to 27-Sep-2023
- Online Training on “Pedagogical Perspective of Virtual Labs on DIKSHA” organized by Central Institute of Educational Technology (CIET), NCERT from 10-14 July 2023.
- Online Training on “Safe Online Communication” organized by CIET-NCERT in collaboration with Cyber Peace Foundation from 03-07, July 2023.
- Online Training on “Development of eContent: Interactive Resources” organized by Central Institute of Educational Technology, NCERT from 24-28 July 2023.
- Online Workshop on Introduction to Traditional Knowledge Intellectual Property & People's Rights, organized by the Indian Knowledge Systems (IKS) Division, Ministry of Education, and CSIR Traditional Knowledge Digital Library (TKDL) Unit, Ministry of Science and Technology, from August 07 to 11, 2023.
- Completed FDP from SWAYAM, Designing Learner-Centric E-learning in Stem Disciplines, Aug-Sept. 2023
- Fermentation: interplay of microbes, immunity and nutrition, Organized by Department of Rural Development & Agricultural Production (RDAP) North-Eastern Hill University (NEHU), Tura Campus, Meghalaya in Association with Biotechnology Industry Research Assistance Council (BIRAC), A Government of India Enterprise, February 03-04, 2023.
- Entrepreneurship Development Programme in Biotechnology Uttarakhand Council of Biotechnology (UCB) & Biotech Consortium India Ltd. (BCIL), HNB Garhwal University, 27-28 February 2023.
- Microsoft Educator Center, Microsoft Innovative Educator, 11/12/21.
- FDP on Research Design & Methodology, IFTM University Moradabad, 22-26 Nov. 2021.
- Introduction to computational drug design: Theory-demo-hands on, 04 Week course
- Organized by PCI and Schrodinger, 21/09/20 to 23/10/20.
- One Week Faculty Development Programme: Teacher’s training on Disaster Management, Organized by National Institute of Disaster Management, Ministry of Home Affairs Govt of India, 21-25 September 2020.
- Online National Awareness Workshop on UGC-DAE CSR Facilities, 09-11-2020 to 12-11-2020.
- Introduction to computational drug design: Theory-demo-hands on, Organized by Schrodinger and PCI, 21/09/20 to 23/10/20.
- Completed Refresher Course “Pedagogical Innovations and Research Methodology”, RC (MD), SWAYAM ARPIT course, June 2020.
- International Webinar on Post Covid 19 scenario: Prospects and Challenges, FDC, School of Education, HNB Garhwal University Srinagar Garhwal, 06/06/2020.

Conference/Symposium/Workshop Organized during last five years

- Conducted an Advanced One-Week Academic Writing workshop (04-08 July 2022) for the faculty members and PG students of Manikaka Topawala Institute of Nursing, Changa, Charotar University of

Science & Technology (CHARUSAT), Anand, Gujrat (NAAC-A grade University).

- Conducted a one-week training program “Advanced Workshop on Academic Writing” for scientists, technical staff, project staff and PhD scholars of CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat from 22-26 August 2022.
- World Pharmacist Day (<https://youtu.be/Fesw5EAWoUw>), 25 September 2022
- Awareness Campaign: National Nutrition Week 2022 (<https://youtu.be/0DdzKVUOa8k>), 1-7 September 2022
- "Advanced Thesis Writing, 28 Feb- 07 March 2021, Pharma State Academy, workshop,
- Advanced certificate workshop on Systematic Review and Meta-analysis, Jul 26-30, 2021, in association with Pharma State Academy.
- Conducted one-week Advanced certificate workshop on Thesis Writing, Feb 14-20, 2021, in association with Pharma State Academy.
- Conducted one-week Advanced certificate workshop on MOOC development, March 12-17, 2021, in association with Pharma State Academy.
- Conducted Advanced certificate workshop on Plagiarism, June 4-6, 2021, In association with Pharma State Academy.
- Conducted Advanced certificate workshop on Plagiarism, June 11-13, 2021, In association with Pharma State Academy.
- National Webinar: Academic Writing & SWAYAM MOOCs, organized by SWAYAM Cell of HNB Garhwal University (A Central University) Srinagar Garhwal, January 06, 2021. <https://youtu.be/RtflwezqOtM>
- Academic Writing Workshop: Ethiopia Chapter (SWAYAM Outreach Program), 20/08/2020. (Organized)
- Online National Awareness Workshop on UGC-DAE CSR Facilities, Organized by SWAYAM Cell, HNB Garhwal University (HNBGU), Srinagar Garhwal, Uttarakhand, 09-12 Nov., 2020; <http://www.hnbgau.ac.in/sites/default/files/2020-11/csr%20workshop%20report%20final.pdf> (Organized)
- Detection and avoiding Plagiarism in Research & Publication, organized by SWAYAM Cell, 12/09/2020, https://drive.google.com/file/d/1JcpncLmMjksYeO9_lwDAGkpW311Q8J1h/view?usp=sharing (Organized)
- International webinar: Academic Writing: from Basic to advanced (Leaving Impact: The Uganda Chapter), 06/07/2020.
- “Demo on Virtual Classrooms for faculty members”, organized by SWAYAM Cell in association with Microsoft Team, 29 June 2020. (Organized)
- International webinar: Academic Writing: from Basic to advanced (Leaving Impact: The Brasil Chapter), 29/06/2020. (Organized)

Publications (Some selected publications)

Research papers

International

1. Samriti Bhardwaj, Priyanka Gauniya, Chitra, Radheshyam, Ajay Semalty, Mukul Gupta, Archan Sagdeo, Mona Semalty, β -Cyclodextrin/Chitosan Microparticles for Sustained Release of Dapagliflozin, **Micro and Nanosystems**. 2025, Accepted; ISSN (Print):1876-4029; **CiteScore: 1.6**
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Massive Open Online Courses (MOOCs) with record enrolments

(More than 97000 learners across 100 countries)

53. Co-Course Coordinator; “Academic writing” SWAYAM MOOC (15 week, 40 e- modules; 4 credit course); https://swayam.gov.in/nd2_ugc19_ge03/preview (July Oct. 2019 cycle; 12532 learners) & https://swayam.gov.in/nd2_cec20_ma04/preview (January- July 2020 Semester; 7546 learners); https://swayam.gov.in/nd2_cec20_ge29/preview, July Oct. 2020 cycle; 8645 learners); https://onlinecourses.swayam2.ac.in/cec21_ge18/preview January- July 2021 Semester; 6647 learners); https://onlinecourses.swayam2.ac.in/cec21_ge32/preview (July-Oct. 2021; 11047); https://onlinecourses.swayam2.ac.in/cec22_ge01/preview (Jan-July 2022; 8078);

https://onlinecourses.swayam2.ac.in/cec22_ge44/preview (July-Oct. 2022; 10020);
https://onlinecourses.swayam2.ac.in/cec24_ge17/preview Jan. 2024 12854;
https://onlinecourses.swayam2.ac.in/cec26_ge05/preview (Jan 2026, Enrolments opened on Nov. 1 2025; >1500 enrolments till November last week); Total > 79000 learners

54. Co-Course Coordinator; “Industrial Pharmacy I” (12 week, 40 e- modules; 4 credit course); approved by CEC on April 2018; Course developed; https://swayam.gov.in/nd2_cec19_ge01/preview; (July Oct. 2019 cycle; 2299 learners); https://swayam.gov.in/nd2_cec20_lb05/preview, (July Oct. 2020 cycle; 5070 learners); https://onlinecourses.swayam2.ac.in/cec21_lb04/preview (July-Oct. 2021; 4210); https://onlinecourses.swayam2.ac.in/cec22_lb02/preview (Jan- July 2022; 3772); https://onlinecourses.swayam2.ac.in/cec22_lb04/preview (July-Oct. 2022; 3992); **Total 19343 learners.**

55. 02 Courses for SWAYAMPBHA channel-15 (27 hrs video lectures prepared in 2020-21):

56. Cosmetics and (May-September 2020); <http://tiny.cc/SEMALTYCOSMETICS>.

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Total Number of Research Publications:

Publications

Papers	-	80 (39 International, 41 National)
Scientific Abstracts/ conference papers-		82 (16 International, 66 National)
Chapters in Books	-	47 (01 International, 46 National)
Books	-	06
Patents (Indian)	-	04 (3 granted, 1 filed)
E-content development	-	more than 100 hrs
MOOCs (SWAYAM online courses) -		03 (by UGC and CEC) >50 hrs of video lectures;
SwayamPrabha e-modules	-	27 hrs (54 Lectures)
Total citations	-	>2800
H index	-	26

<https://scholar.google.co.in/citations?user=3e1mBLcAAAAJ&hl=en>

I10 Index - **35**

Total Impact - **> 100**

MOOCs (SWAYAM online course)- - **03** [Academic Writing; Industrial Pharmacy-I, Indian system of medicine: Ayurved (under development)]

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