


## Curriculum Vitae

<b>Full Name:</b>	DR. AJAY SEMALTY			
<b>Designation:</b>	Associate Professor University SWAYAM Coordinator (SPOC: NPTEL)			
<b>Department:</b>	Pharmaceutical Sciences			
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<b>Education Qualification:</b>	M. Pharm. (Pharmaceutics), MBA (Operations Management); Ph. D., PDF Meijo University, Nagoya, Japan			
<b>Teaching Experience:</b>	22 Years	<b>Research Experience:</b>	20 Years	
<b>Research Interest and Fields of Specialization</b> <ul style="list-style-type: none"> <li>Pharmaceutics/ novel drug delivery</li> <li>Natural products for drug delivery for obesity, hair loss etc.</li> <li>Cyclodextrin and lipid complexes</li> <li>Small angle neutron scattering (SANS), nanoparticles</li> <li>OER and MOOC development</li> <li>Academic Writing, Research Methodology</li> <li>Learning outcome-based framework, NEP</li> <li>Digital Learning/Online/ ICT pedagogy</li> </ul>				
<b>Honours &amp; Awards</b> <ul style="list-style-type: none"> <li>Listed in <b>World's top 2 % Scientist</b> (by Stanford University research) in 2020 to 2025 (6 time).</li> <li><b>MOOCs in top 5</b> (2022 ranking): SWAYAM online courses "Academic Writing" (#3) and "Industrial Pharmacy" (#5) have been ranked in the top 5 courses in the country as per the Survey of Ministry of Education, GoI for July 2021 Cycle (<a href="https://www.ugc.ac.in/pdfnews/1033053_Letter-Online-Learning-Courses.pdf">https://www.ugc.ac.in/pdfnews/1033053_Letter-Online-Learning-Courses.pdf</a>).</li> <li><b>MOOCs listed in Class Central's Best Online Courses of All Time</b> (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 (<a href="https://www.classcentral.com/report/top-moocs-2021-edition/">https://www.classcentral.com/report/top-moocs-2021-edition/</a>; <a href="https://www.classcentral.com/collection/top-free-online-courses?page=6">https://www.classcentral.com/collection/top-free-online-courses?page=6</a> )</li> <li><b>MOOC figured in global top 30 MOOCs in 2020:</b> Academic Writing SWAYAM online course was recognized as the top 30 MOOCs worldwide (as per PIB, 27th April press release; <a href="https://pib.gov.in/PressReleasePage.aspx?PRID=1618725">https://pib.gov.in/PressReleasePage.aspx?PRID=1618725</a>).</li> <li><b>Academic writing MOOC ranked number one</b> in exam registration in India 2019 &amp; 2020.</li> <li><b>Recognized for figuring #1 in exam registration</b> for SWAYAM MOOC by Ministry of Education and sent as Observer of Ministry for SWAYAM MOOC exams to Bengaluru Centre for July 2019 cycle's exam.</li> <li><b>Awarded Daiko Foundation Post-Doctoral Research Fellowship</b> and invited by Meijo University, Nagoya, Japan, FY 2011-12.</li> <li>Received the prestigious <b>Research Award</b> (a National award given in every two year to the 100 teachers for excellence in research from all over the India covering all the subjects) in Pharmacy by UGC, New Delhi for 2016-18. (UGC Notification date: 05/10/15).</li> <li><b>Young Scientist Award</b> of the year 2007 by Uttarakhand Council of Science &amp; Technology (UCOST)</li> <li>Certified <b>Microsoft Innovative Educator Master Trainer</b>.</li> </ul>				
<b>Member of Academic Institutions</b> <ul style="list-style-type: none"> <li>Visiting Scientist, Faculty of Pharmacy, Meijo University Nagoya, Japan.</li> <li>Scientific Expert, Iceland Research Fund (IRF), Iceland</li> </ul>				

- Expert, Ministry of Science and Technology, Italy.
- Expert Israel Science Foundation (ISF), Israel.
- Reviewer, Elsevier Books.
- 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.
- Inspection and Assessing panel: QCI, PCI.

#### **Membership of Scientific Organizations**

- Member- The Asian Council of Science Editors.
- Member- Commonwealth Pharmacists Association
- Member- British Society for Antimicrobial Chemotherapy (BSAC); 105245
- Life Member of APTI (UA/LM/008) and IPA (UP/All/LM/083).
- Peer reviewer- Elsevier US
- Vice President-Association of Pharmaceutical Teachers of India (APTI) of Uttarakhand State branch for year 2008-13
- Editorial Board Member of Current Drug Discovery Technologies, International Journal of Pharmaceutical Science and Nanotechnology, Pharmacognosy Journal and Global Journal of Pharmaceutical Technology, Science alert journals.
- Registered Pharmacist (Reg. No. 3349; Uttarakhand Pharmacy Council).

#### **Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)**

32 M. Pharm. Projects (01 pursuing)

01 M. Sc. Zoology project

03 Ph D (01 pursuing)

#### **Research Projects/ MoU undertaken**

1. UGC SWAYAM MOOC: Indian System of Medicine: Ayurved, 04 credit course; 2025, total grant 13.5 lakh
2. UCOST Dehradun, Identification of bioactive phytoconstituents with antiobesity and anti-hyperlipidemic activity of some Himalayan medicinal plants, 2025-27, Rs 6.0 lakh, Co-PI Ongoing.
3. 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, 2024-27, Rs. 7.5 lakh, Co-PI, Ongoing.
4. Major research project, "Studying drug CD complexes using ADXRD beamline (BL-12), Indus 2" (CRS-310), by UGC-DAE CSR, Indore, Co-Principal Investigator, Rs. 13.7 Lac, 2020-23.
5. Major research project entitled "Synthesis of polymeric cyclodextrin nanoparticles: Effect of radiation" (CRS/19/RC15) granted to me by UGC-DAE CSR, Kolkata, Rs 13.7 Lac, 2019-22 (Completed).
6. 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, Rs 12.34 Lac, Jan 2017- March 2021 (Completed).
7. UGC SWAYAM MOOC, 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.
8. CEC SWAYAM MOOC, 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.
9. 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.
10. 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), Co-PI
11. DST-SERC Govt. of India, Project entitled Phytosomes in improving hepatoprotective activity of phytoconstituents, (Co-Principal Investigator) Feb. 2008-March 2011 (Completed); (Rs. 20.15 Lac)
12. UGC Govt. of India, Project entitled Development of value-added herbal drug delivery systems of

some polyphenolic phytoconstituents, (Principal Investigator) March 2010- March 2012. (Completed); (Rs. 1.75 Lac)

13. AICTE Govt. of India, Project entitled Phytosphospholipid complexes in improvement of bioavailability of some herbal drugs, (Principal Investigator) July 2010- July 2012. (Completed); (Rs. 10.00 Lac)

14. Daiko Foundation Research Fellowship, Meijo University, Nagoya, Japan entitled "Exploring antidote active compounds against snake bite in traditional Indian medicinal Plants." April 2011- March 2012; >35 lac (June 2011- Sept. 2011 in Japan).

#### **Administrative Experience**

- University SWAYAM Coordinator (Since Jan. 11, 2019); [www.swayamhnbgu.in](http://www.swayamhnbgu.in)
- SPOC-SWAYAM -NPTEL Local Chapter (LC code -2828)
- Member Secretary, University SWAYAM Board
- Member Secretary, University E-learning Committee, 2020
- Member Secretary, University E studio and Community Radio Committee, 2020
- Member, IPR Policy Committee 2020-21
- Member, Departmental Academic Integrity Panel 2020 onwards
- Member Ph D Entrance Committee 2019
- Member Yukti Portal Committee 2020
- Co-ordinator - National Pharmacy Week, State Pharmacy Council Uttarakhand.

#### **Scientific Visits Abroad/ International Collaboration**

- Three months (June 10, 2011 to Sept. 7 2011), as visiting scientist in Faculty of Pharmacy (Natural Product and Microbiology Lab) of Meijo University, Nagoya Japan in an International project.
- Attended the Pharmaceutical Sciences World Congress in Amsterdam, The Netherlands, 22-25 April 2007 and presented research paper selected for the presentation.

#### **Conference/Symposium/Workshop Attended during last five years**

##### **International Conference**

- "Unlocking the power of Tinospora cordifolia: A breakthrough in antiobesity research" in 15th International Congress of Diabetes and Metabolism (ICDM-2025) Seoul, Republic of Korea, September 25–27, 2025.
- 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.
- "Swayam MOOCs in Pharmacy education" 21st APP Indi-African Conference, IMA auditorium, Bareilly, 30th November, 2019. (Chaired the session)
- 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.
- "Swayam MOOCs in Pharmacy education" 21st APP Indi-African Conference, IMA auditorium, Bareilly, 30th November, 2019.
- 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.

##### **National Conference/workshops**

- Session Chair for the National conference "Bridging gap between Industry and Academia-Sustainable future of Pharmaceutical Sciences" organized by School of Pharmaceutical Sciences, SGRR University, 21-22 Nov. 2025.
- International brain research organization (IBRO) supported IIT (BHU) Neuroscience & Pain School 2004 entitled "Understanding The Brain-Body Connection: Obesity's Role In Cognitive Decline And Neurodegeneration," organized by International Brain Research Organization (IBRO) at Neuroscience & Pain Research Lab, IIT BHU, Varanasi, U.P, 10- 16 October 2024.

- "In vitro antiobesity activity of some Himalayan herbs through a modified and rapid lipase inhibition assay" 18th Uttarakhand State Science & Technology Congress–2024 organized by Uttarakhand State Council for Science & Technology (UCOST) at Uttarakhand Open University, Haldwani, Uttarakhand. From 9 to 10th Feb 2024.
- Invited Speaker, Repositioning Indian Knowledge System (IKS)-based drugs in the global market by effectively utilizing the wealth of medicinal plants, Progressive Horticulture National Symposium (PHNS)-2024 on Horticulture in Himalayas" during 17-19 October 2024, 18-10-24, organized by Indian Society of Horticulture Research, HNB Garhwal University Srinagar, VCSGUU of Horticulture and Forestry, Uttarakhand.
- Keynote Speaker, Current status and global repositioning strategies of the Herbal Drug Industry, 5th National Conference on Recent Innovations in Emerging Technology and Science (NCRIETS 2024) 26/09/24, JBIT College of Pharmacy in collaboration with Uttarakhand Science Education and Research Centre – USERC
- Economic Survival and Global Repositioning Strategy for IKS Based Drug Industry, National Youth Conference on Indian Knowledge Systems 2023, organized at Indian Institute of Technology Roorkee in association with the IKS division at AICTE, Ministry of Education, 25-27 Aug. 2023.
- Herbal formulation for obesity and Hair loss (Patents from my lab), Pharma Anveshan 2023, PCI and Ministry of Health and Family Welfare at Vigyan bhavan New Delhi, 6th March 2023
- 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)
- 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. (Oral Presentation)
- 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)
- 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 (NRFC 2018), Department of Chemistry, HNB Garhwal University, 27-28 April 2018.
- 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 (NRFC 2018), Department of chemistry, HNB Garhwal University, 27-28 April 2018. (Presented).
- Mona Semalty, Ajay Semalty, Current trends and challenges in pharmaceutical sciences, National seminar, IPGA, BN College of Pharmacy, Udaipur, Rajasthan, 24-25 Sept. 2017. (Presented).
- 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 (Presented).

**Invited Lectures in FDPs/FDCs/HRDCs Total > 500 lectures (Last 5 years)**

1. "Developing flexible/innovative curriculum for outcome-based learning" and "Targeting journals for quality publications" in FIP organized by MMTTC Ranchi University Ranchi, 01/02/2025 (02 lectures).
2. Targeting journals for quality publications, 107th Refresher Course (Research Methodology) organised by UGC MMTTC, LNIPE, Gwalior. 15/01/25.
3. Higher Education and Society, and "Integrating HE, Society and IKS" in NEP Orientation and Sensitization program organized by MMTTC GNDU, Amritsar, 09/01/25, (02 lectures).
4. Research Grant Proposal Writing, Targeting journals, ICSSR sponsored capacity development program

- on research methodology and academic writing for social science teachers and research scholars, organized by IIT Roorkee and Doon University, 13/01/2025, (02 lectures).
5. Academic writing and quality of publications, Induction Training (from 17 December, 2024 to 16 January 16, 2025) organized by Directorate of Human Resource Management, CCSHAU, HISAR, 31/12/2024.
  6. Academic Integrity in Research and Publications, FDP, SBS University Dehradun, 26/12/2024.
  7. "Integration of ICT Enabled Teaching-Learning and content creation for OERs and MOOCs" in Refresher Course on ICT organized by MMTTC Ranchi University Ranchi, 05/12/2024 (02 lectures).
  8. Integration of ICT in teaching learning and creating e-content/ interactive e-resources for OER/MOOCs, STC on MOOCs at UGC MMTTC Osmania University Hyderabad, 26/11/2024 (02 lectures).
  9. Academic writing skills, CCSH Agriculture University Hisar's Faculty Induction Training Programm, 04/10/2024.
  10. Current status and global repositioning strategies of the Herbal Drug Industry, keynote address, 5th National Conference on Recent Innovations in Emerging Technology and Science (NCRIETS 2024), hosted by JBIT College of Pharmacy in collaboration with Uttarakhand Science Education and Research Centre – USERC, 26/09/24.
  11. Concept of OER and MOOCs on integrating ICT-enabled learning and e-content/ Interactive e-resources creation for OER and MOOCs, Short Term Course of MMTTC Ranchi University, Ranchi, 19/09/24 (02 lectures).
  12. Integrating ICT-enabled learning and content creation, Faculty Induction Program of MMTTC Assam University, Silchar, 17/09/24 (02 lectures).
  13. Creating e-content and interactive e resources for MOOC/ICT based ecosystem development, Faculty Development Programme on “Design and Development of Massive Open Online Courses (MOOCs) through SWAYAM” organized by Dolphin PG Institute of Biomedical and Natural Sciences, Dehradun, and Malaviya Mission Teacher Training Centre (MMTC), Ramanujan College, Delhi University, in collaboration with the Uttarakhand Science Education and Research Centre (USERC), Dehradun, 12/09/24.
  14. Research Grant Proposal writing and ICT enabled teaching learning ecosystem development, in Faculty Induction Program, UGC-MMTTC RTM Nagpur University, Nagpur, 27/08/24 (02 lectures).
  15. Concept of innovative and flexible curriculum in FIP held in UGC-MMTTC Kumaun University Nainital, 22/08/24.
  16. Indian Knowledge System and its integration in Higher Education, NEP Orientation and sensitization programme, UGC-MMTTC Ranchi University Ranchi, 01/08/24 (02 lectures).
  17. "Content Creation and Development under SWAYAM MOOCs" Faculty Enrichment Programm from 1st to 3rd August 2024, Internal Quality Assurance Cell of Nirmala Colleg, a college with Potential for Excellence (CPE), Ranchi, 01-03/08/2024 (03 lectures).
  18. Designing e-content creation for engaging MOOCs, KIIT - Kalinga Institute of Industrial Technology Bhubaneswar at KIMS - Kalinga Institute of Medical Sciences and Central Library of KIIT under Academic Empowerment Program "Teaching, Learning & Research @HEIs" from 22-29 June 2024, 26/06/24 (02 lectures).
  19. Academic writing: Nuances of Quality Publications and Academic Writing: Targeting Journals for Quality Publications, Refresher Course organized by MMTTC Guru Jambheshwar University Hisar on the topics, 14/06/24 (02 lectures).
  20. "OER and the Concept of SWAYAM MOOCs", NEP sensitization program organized by MMTTC RTMN Nagpur University, Nagpur, 07/06/24.
  21. "Integrating ICT in Teaching and Research at Higher Level" in an Eight-Day Training Programme (May 29-June 06, 2024) on 'National Education Policy 2020 Orientation and Sensitization Programme' under the UGC-Malaviya Mission Teacher Training Programme organized by Malaviya Mission Teacher Training Centre, Central University of South Bihar (CUSB), Gaya, 03/06/24.
  22. ICT/ SWAYAM MOOCs integration in teaching learning with creative e-content and interactive e-resources in the NEP Sensitization program in MMTTC, Kumaun University Nainital, 24/05/24 (02 lectures).
  23. Leadership in Higher education and Leadership in connecting Higher education and society in the NEP

- Sensitization program in MMTTC, GND University Amritsar, 21/05/24 (02 lectures).
24. ICT based learning, Concept of OER and MOOCs in tune with NEP for blended and lipped learning, UGC-MMTTC RTM Nagpur University Nagpur to the faculty members of various Universities, 30/04/24.
  25. Tools for e-Content Creation, Learner Centric E learning, Aspects of e-Content Development (15-21 March 2024), (Ambedkar College, Unakoti, Tripura and ELECTRONICS ICT ACADEMY, IIT ROORKEE, 19 and 21 March, 2024, 02 Lectures.
  26. Concept of OER and SWAYAM MOOCs: NEP Outlook and Creating learner centric e-content: interactive e resources / simulation, UGC MMTTC Kumaun University Nainital, 15/03/24 (02 lectures).
  27. Indian Knowledge System: NEP's Outlook, MMTTC Kumaun University Nainital, 14/03/24.
  28. Indian Knowledge System: NEP's Outlook, Integrating IKS in NEP, NEP sensitization program at MMTTC Ranchi University, Ranchi, 12/03/24 (02 lectures).
  29. Creating a flexible/Innovative Curriculum" and Time management, NEP Orientation and Sensitization Programme organized by MMTTC, HNB Garhwal University Srinagar Garhwal Uttarakhand, 11/03/24 (02 lectures).
  30. Concept of OERs and MOOCs for ICT-enabled Teaching learning in MMTTC, Nagpur University, Nagpur, 08/03/24 (02 lectures).
  31. Academic expert in industry academia pannel discussion on the occasion of National Pharmacy Education Day, SDBU Dehradun, 06/03/24.
  32. Prevalence of obesity, World Obesity Day Celebration, DOPS HNBGU, 04/03/24.
  33. Concept of Academic Integrity, NEP Sensitization program of UGC MMTTC RTM Nagpur University, 01/03/24.
  34. OER and SWAYAM MOOC, NEP Sensitization program of UGC MMTTC, RTMNU Nagpur, 22/02/24.
  35. Academic Writing and Quality of Publication, Online STC on NEP Orientation and Sensitization program conducted during 19-28 February 2024 organized by MMTTC, Tezpur University, 20/02/24 (418th lecture)
  36. Indian Knowledge System: NEP's Outlook, and Indian Knowledge system-II Short Term Course in Traditional & Indigenous Knowledge System scheduled from 16 February to 22 February, 2024 at the UGC- Malaviya Mission-Teacher Training Centre (Formerly UGC-Human Resource Development Centre), Kumaun University, Nainital, 17/02/24 (02 Lectures).
  37. Finding Resources for OER MOOC Development, Refresher Course in MOOCs Development and Delivery from 06/02/2024 to 19/02/2024; 09/02/24.
  38. "Creating learner centric content and Interactive a resource for engaging learners in MOOCs", and "Success Mantra of Developing and running an effective MOOC" Refresher Course in MOOCs Development and Delivery from 06/02/2024 to 19/02/2024; 13/02/24 (02 L)
  39. "Incubation of idea for research proposal and Effective Literature search for research in UGC Sponsored 1 Week Interaction Programme for PhD Scholars [08.02.2024 to 14.02.2024] being organised by Malviya Mission Teacher Training Centre (Erstwhile UGC-HRDC), GJU S&T Hisar. 09/02/24. (02 Lectures)
  40. OER and MOOCs Concept to planning in Online NEP Orientation and Sensitization Programme, MMTTC RTM Nagpur University Nagpur, 07/02/24.
  41. Chalking out an effective MOOC proposal, Refresher Course in MOOCs Development and Delivery from 06/02/2024 to 19/02/2024; UGC-MMTTC Ranchi University, Ranchi. 07/02/24.
  42. Preparing learning outcome based curriculum framework for implementing NEP; and Development of microenvironment for academic and research in tune with NEP 2020, Faculty Induction Programme (FIP) organized by UGC-MMTTC Ranchi University, Ranchi. 06/02/24. 02 L
  43. "Innovative and quality thesis writing" in FDP organized by Bajiraoji Karenjekar College of Pharmacy (BKCP) Sakoli in collaboration with UGC MMTTC SGTB Khalsa College, DU, 31/01/24 (02 L)
  44. "Academic Writing and Quality of Publications" in NEP sensitization program by MMTTC Tezpur University Assam, 24/01/24.
  45. Soft skill development, and Leadership: Soft skill for academic & Research, UGC Sponsored 8 Days Online "NEP Orientation & Sensitization Programme-II" under Malaviya Mission Teacher Training Programme organized by Malaviya Mission Teacher Training Centre (Erstwhile UGC-Human Resource Development Centre), Guru Jambheshwar University of Science & Technology, Hisar. 22/01/24. 02 L

46. Information Communication Technology-I and II (22.01.2024) for NEP Orientation and Sensitization Programme being conducted by the Malaviya Mission Teacher Training Centre (Formerly known as UGC-Human Resource Development Centre), Guru Nanak Dev University, Amritsar. 02L
47. econtent and Interactive e resources development in UGC MMTTC Panjabi University Patiala, 19/01/24.
48. Time management in UGC MMTTC, HNGBU, Srinagar Garhwal, Uttarakhand, 19/01/24.
49. Holistic and Multidisciplinary Education, in UGC MMTTC, HNGBU, Srinagar Garhwal, Uttarakhand, 18/01/24.
50. OER and MOOCs: Concept to planning in UGC MMTTC RTMNU, Nagpur. 18/01/24
51. Skill Development" in 08 Days Online National NEP Orientation & Sensitization Programme organized by Malaviya Mission Teacher Training Centre, LBS National Sanskrit University, New Delhi from 15 to 24th January, 2024. 17/01/24. 02 L
52. Digital Writing-I & II, STC on academic writing organized by UGC MMTTC Kumaun University Nainital.09/01/24, 02 lectures
53. SWAYAM MOOC: Concept to planning, MMTTC, GNDU, Amritsar. 09/01/24
54. "Skill Development" in 08 Days Online National NEP Orientation & Sensitization Programme organized by Malaviya Mission Teacher Training Centre, LBS National Sanskrit University, New Delhi from 02nd to 11th January, 2024. 08/01/24. 02 L
55. Learner Centric pedagogy: Nine events of instruction, MMTTC, The Maharaja Sayajirao University of Baroda, Vadodara, 4th January 2024.
56. Indian Knowledge System: NEP's Outlook, Online NEP Orientation Programme organized by UGC-MMTTC, KU, Nainital. 27/12/24.
57. "Journal Targeting and Avoiding Rejections in Scientific Paper Writing" in Workshop on "Scientific Paper Writing" Organized by Deptt. of Physics and Maths, Govt PG College New Tehri and sponsored by UCOST Dehradun on Feb 10, 2023.
58. "Plagiarism: Types, issues and consequences", online Faculty Induction Programme (FIP-4) from 18th January 2023 – 20th February 2023 organized by Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi; 07/02/23
59. Delivered lectures and Hands-on Training in Workshop on methodologies of uploading and offering the MOOC on the SWAYAM platform, held from 01.02.2023 to 02.02.2023 at the UGC office at ITO, New Delhi, invited by UGC as Master Trainer.
60. "SWAYAM MOOCs: Concept, Using and planning" and "MOOCs Pedagogy: Improving Learner's Engagement", short term course organized by UGC HRDC Ranchi, 31/01/23 (two lectures).
61. "Managing resources for innovation in research and planning IPR", Online Short term course organized by UGC HRDC JNV Jodhpur, 19/01/23.
62. "Concepts of Academic Writing and Nuances", workshop on "Scientific Paper Writing" at Dharmanand Uniyal Government Degree College, Narendranagar, Tehri Garhwal organized with the support of UCOST Dehradun, January 4, 2023.
63. "SWAYAM MOOCs: Concept" and "MOOCs: The need and bringing engagement", Online Faculty Induction Programme from 30 November-29 December 2022 at the UGC-Human Resource Development Centre, Kumaun University, Nainital; 29/12/22; (Two Lectures).
64. "Creating a Successful MOOC: Benchmarking SWAYAM MOOCs", Short Term Course on MOOCs and OERs organized by UGC-Human Resource Development Centre, Punjabi University, Patiala (13/12/22 to 20/12/22); 19/12/22.
65. Chalking out an Effective MOOC Proposal, workshop by Mount Carmel College, Autonomous Bengaluru; 09/12/22.
66. "Nuances of Research Article Writing" in a Five-Day National Level Online PDP on "Writing Research Articles in Mathematics & Statistics" (26.09.2022 – 30.09.2022) Jointly organized by the Department of Mathematics, Little Flower Degree College Uppal, Hyderabad, Telangana & PG and Research Department of Mathematics Auxilium College (Autonomous) Gandhi Nagar, Vellore, Tamil Nadu; 27/09/22.
67. "Analysis of academic sources, Citing and Acknowledging" One week workshop on Research Methodology, Education Department, HNB Garhwal University Srinagar Garhwal, September 25, 2022.
68. "SWAYAM MOOCs: Concept and Faculty Outlook" and "Success mantra for a successful MOOC" in

Short Term Course in E-Content Development using ICT (21/09/22 to 27/09/22) organized by UGC-HUMAN RESOURCE DEVELOPMENT CENTRE, Ranchi University Ranchi, September 23 2022. (Two Lectures).

69. "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. (16 Lectures).
70. "SWAYAM MOOCs: The Faculty Outlook" and "Success mantra for a successful MOOC" in Two week Inter/Multidisciplinary Refresher Course in MOOCs Development and Delivery organized by UGC-HUMAN RESOURCE DEVELOPMENT CENTRE, Ranchi University Ranchi, Aug. 20 2022. (Two Lectures).
71. 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). (12 Lectures).
72. Advanced Academic Writing workshop, The upskilling programme for the scientists CSIR-Central Institute of Mining and Fuel Research (CIMFR) Dhanbad, 28/02/22 to 04/03/22. (20 Lectures).
73. "Academic Integrity" and "Research Grant Proposal Writing", Online 7th Faculty Induction Programme: 14th June 2022 organized by UGC HRDC, Nagpur. (Two lectures)
74. Research Grant Proposal Writing: Importance & Funding Opportunities, Faculty Induction Programme organized by UGC-HRDC Guru Jambheshwar University of Science & Technology Hisar, Haryana, June 1 2022.
75. Research Grant Proposal Writing: Nuances, Faculty Induction Programme organized by UGC-HRDC Guru Jambheshwar University of Science & Technology Hisar, Haryana, June 1 2022.
76. MOOC development: the Faculty Perspective" and "Developing and running an effective MOOC: The Success Mantra", Online Refresher course in ICT Applications and Soft Skills organized by UGC Human Resource Development Center, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (17th to 30th May 2022), 26/05/22. (Two lectures)
77. Creating Microenvironment for Academics, Faculty Induction Programme from 17 May to 15 June, 2022 UGC-Human Resource Development Centre, Kumaun University, Nainital, 25/05/22.
78. Academic Writing and Research, Interdisciplinary Refresher Course on Academic Writing and Research organized by the Teaching Learning Centre Tezpur University (An initiative under PMMMNMTT, Ministry of Education, Government of India) on 16/05/2022.
79. "Academic Honesty and Integrity" in Online Short Term Course in Research Writing & Academic Integrity from 09-16 May 2022 at the UGC-Human Resource Development Centre, Kumaun University, Nainital, 13/05/22. (Two lectures).
80. "Academic Writing: Things to know " as Chief Guest for the inaugural function of the Five Days Online FDP on ACADEMIC WRITING organized by the Office of Dean-R&D in association with Research and Facilities Group and Dept of Mechanical Engineering, SJEC, Mangaluru from 04-08 April 2022, 04/04/22
81. Curriculum development and need based microenvironment, Online Short-Term Training Program on 'Curriculum Development with Special Reference to NEP-2020, FDC, HNBGU, April 07-13, 2022, 08/04/22
82. Writing Research papers, National Workshop on Research Methodology, Publications and Ethics (RMPE 2022) organized by IQAC, GKV Haridwar sponsored by USERC, Dehradun during 25-30 March, 2022, 29/03/22
83. 'Scientific Writing' on 26th March 2022 organized by Quantum School of Health Sciences, Quantum University, Roorkee.
84. Nuances of academic writing: targeting journals and writing, 12 Days Online - National Workshop "Enriching Capacity Building Initiatives for Social Science Teachers In Higher Education" 14th to 28th March 2022, Department of Physical Education, University of Mumbai In collaboration with Indian Council of Social Science Research (ICSSR – WRC), MUMBAI, 14/03/22.
85. "Creating microecosystem for higher education" and "Creating Learning Outcome Based Credit Framework" Gurudakshata Programme, 10th FIP (03/03/22 to 30/03/22) in UGC HRDC Ranchi University Ranchi on 11th March 2022. (Two lectures)
86. Academic Integrity in Research and Publications, Scholarly writing and publishing research papers, One-week Faculty Development Program (March 9-16, 2022) organized by Faculty of Commerce and



- Management in association with Faculty of Doctoral Studies, Integral University, Lucknow, 09/03/22
87. "English for Academic Purposes in Higher Education: Challenges and solutions for non-natives" in an Indo-Canadian Virtual Conference on Expansions and Concerns: Mapping EAP For Higher Education organized by JNU, New Delhi, 08/03/22
  88. SWAYAM MOOCs: The faculty Outlook, Learners Edge 2022 organized by VMV Commerce, JMT Arts & JJP Science College Vardhman Nagpur, 07-09 March 2022, 07/03/22
  89. English in Academic Writing and Plagiarism, National Webinar on "Scientific/ Research Paper Writing" 26th Feb 2022 (Organized by Department of Microbiology, Central University of Tamilnadu), Two Lectures
  90. Managing Resources in Academics & Research, Online Short-Term Training Program on 'Resource, Time & Stress Management' (With Special Reference to NEP-2020) February 22-28, 2022., FDC, HNGBU during February 22-28, 2022. 24/02/22
  91. Time Management, FDC, Online Short-Term Training Program on 'Resource, Time & Stress Management' (With Special Reference to NEP-2020) February 22-28, 2022. HNGBU during February 22-28, 2022, 25/02/22
  92. "Ethics in Education and Research" and "Plagiarism" organized by Assam Don Bosco University, Guwahati Assam, 23/02/22
  93. "Creating microenvironment for Academics" and "Creating Learning Outcome-based Credit Framework", Faculty Induction Programme (21 February-25 March 2022), UGC-Human Resource Development Centre, Kumaun University, Nainital, 22/02/22, (Two Lectures)
  94. "Blended & Flipped Learning: Content creation" National e-Conference on "Blended Learning: Flexibility and Centricity to the Learners" Organized by MGM New Bombay College of Nursing, MGM Institute of Health Sciences, Navi Mumbai, 04/02/22.
  95. Faculty perspective: OER and MOOCs", and "Success mantras of a Successful MOOC development" Online RC in ICT Applications and Soft Skills organized by UGC-HRDC RTM Nagpur University on 19 and 20th January 2022, 19/01/22 (two lectures)
  96. Soft skills in Teaching and Learning, Online RC in ICT Applications and Soft Skills organized by UGC-HRDC RTM Nagpur University on 19 and 20th January 2022, 20/01/22.
  97. Making Cyber Security More Accessible, Available & Adaptable for HEIs, Sensitization Webinar on Cyber Security Empowerment of Higher Education Institutions, Organized by UGC, New Delhi, 13/01/22.
  98. "Effective Use of Open Educational Resources" and "Hands-on experience of OERs" Short-Term Course on Academic & Research Report Writing-One Week workshop organized by National College (Autonomous) Tiruchirappalli-620 001, Tamil Nadu, 08/01/22. (Two Lectures)
  99. "NEP 2020 & Innovative Teaching: Road map of Transformation", and "Preparing Academic Microenvironment for Implementing NEP-2020", Short-Term Training Program on 'Strategies for Implementation of National Education Policy 2020', FDC HNGB University Srinagar Garhwal December 28, 2021 to January 03, 2022. 29/12/21 & 30/12/21 (02 lectures).
  100. "Digital Learning and Adopting Changes In Pedagogy and Research" in FDP on Research Design & Methodology (22-26 Nov. 2021) IFTM University Moradabad, 26/11/21.
  101. "Selecting/ Targeting Journals for research Publications.", in 24th National e-Conference -2021 in association with Nursing Research Society of India (NRSI) on "Strengthening Nursing Scholarship through Publications" (26th and 27th November 2021) organized by Yenepoya Nursing College, Yenepoya (Deemed to be University). 26/11/21.
  102. "Faculty perspective of the development of MOOCs", & "Success Mantra for a successful MOOC", Short Term Course on MOOCs, E-Content Development & OERs in the UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur on November 19, 2021, (02 lectures).
  103. "Creating microenvironment for academic and research", Faculty Induction Programme-VII (held between 11-11-2021 to 11-12-2021) at the UGC-Human Resource Development Centre, Kumaun University, Nainital on 18/11/2021.
  104. "Improving Biopharmaceutical Properties of Synthetic and Herbal Drugs in Pharmaceutical Research" at INTERNATIONAL e-CONFERENCE Natural and Novel Pharmaceutical Research (18-20 November 2021); organized by School of Pharmacy Arka Jain University, Jamshedpur and Pharmacy Department

- San Pedro College, Philippines on 19/11/2021. <https://youtu.be/R848J5KJd0E?t=14542>
105. "Nuances of Persuasive Research Paper" in 7 Day FDP on Research Methodology, Organized by S.S.S. Shasun Jain College for Women University of Madras, 15 November 2021, <https://youtu.be/0oMw1HogyD0>
106. "How to prepare MOOC proposal", 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 10, 2021.
107. "Concept of MOOC: Planning to Execution" and "Success Manta for Successful MOOCs", Short-Term Course – MOOCs, E-Content Development & Open Educational Resources organized by the UGC – HRDC, Sant Gadge Baba Amravati University on 30 October 2021 (02 lectures).
108. "Academic Integrity" 6th Faculty Induction Programmes organized by UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur on 24th Oct 2021, (02 lectures).
109. "Academic Research Writing" in the National Webinar Organized by: VPMK, Arts, Commerce and Science College Kinhavali, Tal-Shahapur, Dist.-Thane, University of Mumbai. (Maharashtra), 29/09/21.
110. "Solid State Characterization in Pharmaceutical Research" in International Conference on Emerging role of Pharmacist in innovation, discovery and development of biological products and & Biopharmaceuticals (25-27 September, 2021) organized by Department of Pharmaceutical Sciences, Faculty of Medical Science & Health, Gurukul Kangri (Deemed to be University), Haridwar; 27 September, 2021.
111. "Ethics and academic integrity in research and publications", and "Research grant proposal writing" STC Research Methodology organized by UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, September 22, 2021 (02 lectures).
112. "Ethics in Research" in the inaugural technical session of Five Days Online Faculty Development Program on Research Methodology in Social Science organized by
113. Athawale College of Social Work Bhandara, Maharashtra, RTM Nagpur University, September 21, 2021.
114. "Academic Writing", RUSA sponsored Online Faculty Induction Programme-5 organized by Human Resource Development Centre, Guru Jambheshwar University of Science & Technology, Hisar during 23.08.2021 to 25.09.2021, September 06, 2021 (02 lectures).
115. "Digital Learning Tools for Quality Pharmacy Education", Expert Lecture, Career Point University, Kota, August 26, 2021.
116. "Research Ethics- Academic honesty and integrity", Summer School-2021 [Theme: Research Methodology & Writing (For all subjects)], 13 August-27 August 2021, UGC-Human Resource Development Centre, Kumaun University, Nainital, August, 14, 2021 (02 Lectures).
117. "Developing need based microenvironment for academics and research in higher education", Faculty Induction Program (FIP) conducted by UGC-Human Resource Development Centre, Kumaun University, Nainital, August, 13, 2021 (02 Lectures).
118. "SWAYAM MOOCS and digital initiatives for effective teaching and learning" and "MOOCs: The faculty perspective", AICTE Sponsored STTP Organized by Rajarshi Shahu College of Pharmacy, Buldana, Maharashtra, August 10, 2021. (02 Lectures).
119. "Research Grant proposal Writing", National Workshop on Research Methodology & Data Analysis, organized by the Physical education Foundation of India (PEFI) in association with Sikkim Manipal Institute of Technology, Sikkim, India, July, 31, 2021.
120. "SWAYAM MOOCs and Industrial Pharmacy MOOC", Dr. D Y Patil Institute of Pharmaceutical Sciences and Research, Savitribai Phule Pune University-University of Pune, July 31, 2021.
121. "Adopting changes to Pharmacy Education", AICTE sponsored STTP series 3 organized by Sanjivani College of Pharmaceutical Education and Research, Kopergaon Mumbai, June 21, 2021.
122. "Academic writing and SWAYAM MOOCs" for University of Mosul, Iraq, SWAYAM outreach program, SWAYAM Cell, HNB Garhwal University, June 20, 2021.
123. "Targeting quality journals for publications", E-workshop on Essential Skills for Professionals, NIT Jalandhar, June 20, 2021. [https://youtu.be/V4Pt3K\\_uqbU](https://youtu.be/V4Pt3K_uqbU)
124. "ICT based initiatives by the Ministry of Education" Yenepoya (Deemed to be University), Mangalore, June 18, 2021.

125. "Targeting journals for quality research publications", "Journal metrics in identifying quality journals", and "Author metrics in identifying the quality journals" Faculty Development Programm (FDP) on "Research Methodology And Data Analytics", organized by Uttaranchal Institute of Pharmaceutical Sciences, Uttaranchal University, Dehradun, July 16, 2021
126. "Using ICT tools and platforms for online teaching-learning", AICTE sponsored STTP series 2 organized by Sanjivani College of Pharmaceutical Education and Research, Kopargaon Mumbai, June 14, 2021.
127. Building a career in Pharmacy, Webinar Series 2021, School of Pharmacy, Arka Jain University, Jharkhand, June 13, 2021.
128. "Adopting changes to Pharmacy Education" and "Concept and preparation of Learning Outcome-based Credit framework", "Preparing for outcome based learning", AICTE sponsored STTP series 1 organized by Sanjivani College of Pharmaceutical Education and Research, Kopargaon Mumbai, June 07, 2021 (03 lectures).
129. "SWAYAM MOOCs and Industrial Pharmacy MOOC" Webinar organized by Lloyd Institute of Management and Technology- Pharm Noida, May 31, 2021.
130. National Webinar on "Planning and Writing : Research Grant Proposals", Research Cell and Entrepreneurship Development Cell, NSS College of Commerce and Economics, Tardeo, Mumbai, May 31, 2021.
131. Awareness about MOOC on Industrial Pharmacy, organized by IPGA Academic Division, May 30, 2021.
132. "SWAYAM and Pioneer online course (MOOC) in Pharmacy - Industrial Pharmacy" organized by ASBASJSM College of Pharmacy Bela, Ropar. May 26, 2021.
133. "Solid State Characterization Support for Indian Academic Researchers", International Conference on Recent Advances in Material Science (ICRAMS), 15-17 May, 2021, Department of Physics, HNB Garhwal University Srinagar Garhwal. May 17, 2021.
134. Art & Science of Academic Writing, Webinar conducted by Haryana Library Association, Karnal Rohtak, May 22, 2021. <https://youtu.be/Z59a9YIzthc>
135. "Plagiarism in Academic Integrity and tools for detection", National Workshop: Academic & research Writing, organized by ATME College of Engineering, Mysuru, Karnataka (25-31 March 2021). March 31st, 2021 (02 lectures).
136. "Targeting quality journals for research publications" & "Avoiding rejections in research publications" Two weeks Refresher Course on 'Pedagogical Techniques and Research Methodology' during March 12 to 25, 2021, FDC HNB Garhwal University Srinagar Garhwal, March 19, 2021 (02 lectures).
137. "E-content creation, OER and MOOC development", 4th Faculty Induction Programme (11/03/2012 to 10/04/2021). UGC-HRDC, NEHU, Shillong, A.P., March 19, 2021 (02 lectures).
138. "Reviewing literature and Thesis Writing", One Week Online National Interdisciplinary Workshop on Research Methodology 16 March 2021 to 22 March 2021, Organized by Faculty of Commerce, Karim City College, Jamshedpur, Jharkhand, March 17, 2021 (02 lectures).
139. "Creating Microenvironment for adaptability in Higher Education and Research" and "Concept of Learning Outcome Based Credit Framework" and "Preparing for Outcome-Based Learning", AICTE Sponsored Two Week Online Faculty Development Program (FDP) "Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy Education"; Organized by Lloyd Institute of Management & Technology (Pharm), Greater NOIDA on 9th March 2021 (03 Lectures); <https://youtu.be/BMXVBxxaPQY>
140. Academic Integrity Publication Standards: Impact Factor in Targeting Journals for Publications, 04 March 2021, Online Refresher Course in Economics on the theme from 01 March - 15 March 2021, UGC-Human Resource Development Centre, Kumaun University, Nainital.
141. Basics of Quality Synopsis and Thesis Writing. 05 March 2021, CRSIS&EC, A week workshop on "Research Methodology for Physical Sciences and Engineering, MD University Rohtak, Haryana. (01 Lecture)
142. Writing Results & Discussion, "Advanced Thesis Writing 07 March 2021, Pharma State Academy, workshop, 01 lecture.
143. Academic Writing: need and basic rules of academic writing, 22nd February 2021, UGC-HRDC GJ University of Science and Technology, Hisar, Faculty induction Program, Academic Writing, 02 lectures.
144. Academic writing made easy, Webinar conducted by IIHRD India, Hyderabad, Feb 23, 2021 (01

Lecture).

145. Academic integrity in research and publications, UGC-HRDC, Pandit Ravishankar Shukla University (PRSU), Raipur, "GURUDAKSHATA", 23rd February 2021, 02 Lectures.
146. "Research Grant proposal Writing", 26th February 2021, UGC-HRDC Kumaun University, Nainital, 02 lectures.
147. "Advanced Thesis Writing" workshop, 28th February 2021, Pharma State Academy, 01 lecture.
148. OCW, Open Educational Resources (OER), and Open Online Courses (MOOCs) & use of social media and online library resources; UGC HRDC, Pandit Ravishankar Shukla University (PRSU), Raipur, "GURUDAKSHATA", 13th February 2021, 02 Lectures.
149. Improving biopharmaceutical properties of herbal drugs; Aushadhiya Padap Mahakumbh, Gurukul Kangri Vishwavidyalaya, Haridwar, 17th Feb. 2021, 01 Lecture
150. Research Grant Proposal need and writing, Nutritional Society of India, Nagpur Chapter, 20th February 2021, 02 lectures.
151. Academic Integrity and Writing research proposals and papers, 18-19 February 2021, UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, (04 LECTURES); <https://youtu.be/X10MEmtq57o>, [https://youtu.be/cY7SQE\\_5d5U](https://youtu.be/cY7SQE_5d5U), <https://youtu.be/liYnNoBu3Uc>; <https://youtu.be/XpbHcCNPYpo>
152. Introduction to Scientific Writing, DST SERB one day virtual workshop on Scientific Writing, Mol. Toxicology laboratory, Department of Biotechnology, Bharathiar University, Coimbatore, Tamilnadu, January 21, 2021, (Link: <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://cdn.b-u.ac.in/seminar/2021/biotech2.pdf>)
153. "Developing need based Microenvironment in Higher Education and Research" and "Concept of Learning Outcome Based Credit Framework" and "Preparing for Outcome-Based Learning", AICTE Sponsored Two Week Online Faculty Development Program (FDP) "Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy Education"; Organized by Lloyd Institute of Management & Technology (Pharm), Greater NOIDA on 8th Jan. 2021 (03 Lectures); <https://youtu.be/xmXFLbHnJmI>,
154. "SWAYAM MOOCs & Academic Writing", SWAYAM Cell, HNB Garhwal University (A Central University), 6th January 2021; <https://youtu.be/RtflwezqOtM>.
155. 'MOOC: SWOC Analysis & The Faculty Perspective' and 'Success Mantra for MOOC Developers', One Week Online Short Term Training, FDC HNB Garhwal University Srinagar Garhwal, December 15, 2020 (02 lectures).
156. "Outcome-based Learning in the current scenario" in Faculty Induction Programme-I (01/12/2020 to 29/12/2020), UGC-Human Resource Development Centre, Kumaun University, Nainital on 12/12/2020.
157. Lecture 1: Open Educational Resources(OER) for teaching-learning; Lecture 2: Open licenses and their use in OER creation/sharing; Lecture 3: Using & Creating educational resources for quality teaching, AICTE Sponsored Two Week Online Faculty Development Program (FDP) "Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy Education"; Organized by Lloyd Institute of Management & Technology (Pharm), Greater NOIDA on 09 Dec. 2020 (03 Lectures).
158. Lecture 1: MOOCs: the concept of online learning; Lecture 2: SWAYAM MOOCs and digital learning initiatives of UGC & ministry of education; Lecture 3: SWAYAM MOOCs: Faculty perspective as user and developer; AICTE Sponsored Two Week Online Faculty Development Program (FDP) "Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy Education"; Organized by Lloyd Institute of Management & Technology (Pharm), Greater NOIDA on 10 Dec. 2020 (03 Lectures).
159. "Academic Integrity: Concept & Scope" in Faculty Induction Programme-I (01/12/2020 to 29/12/2020), UGC-Human Resource Development Centre, Kumaun University, Nainital on 02/12/2020, (02 lectures).
160. "Developing Need-based microenvironment for higher education" in Faculty Induction Programme-I (01/12/2020 to 29/12/2020), UGC-Human Resource Development Centre, Kumaun University, Nainital on 08/12/2020.
161. Lecture 1: Planning research proposal and funding opportunities; Lecture 2: Basics of Writing an Effective Research Proposal and defending the project, Faculty Induction Programme from 23rd November to 23rd December 2020 organized by UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur; 03/12/2020 (02 Lectures).

162. "Academic Integrity: theory to practical approach", "Plagiarism in research and publications: prevention and remedy", Faculty Induction Programme from 23rd November to 23rd December 2020 organized by UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur; 04/12/2020 (02 Lectures).
163. "MOOCs: The faculty perspective: opportunity & Challenges"; and "Success Mantra for MOOC developers", workshop on "OERs, MOOCs, and e-content development" organized by UGC HRDC Bangalore University, Bangalore 23/11/20 (02 Lectures).
164. "Facilities of UGC-DAE CSR as Multidisciplinary Research Support for University researcher", Online National Awareness Workshop on UGC-DAE CSR Facilities, Organized by SWAYAM Cell, HNB Garhwal University (HNBGU), Srinagar Garhwal, Uttarakhand, 09-12 Nov., 2020; 12th Nov. 2020.  
<https://youtu.be/Ri2eCVV1N8Q?t=4364>
165. "Journal Targeting in the Pharmaceutical & Biomedical Fields". National webinar organized by: RJSPM's College of Pharmacy, Dudulgaon, Pune, Oct 31st, 2020; <https://youtu.be/kNdtBEzkfM0>
166. "Academic Writing: Concept & Planning" and "Academic Writing: Basic Rules & execution" in UGC sponsored One-month online Faculty Induction Programme-1 [September 21 to October 24, 2020] organized by Human Resource Development Centre, Guru Jambheshwar University of Science & Technology, Hisar, 12 October, 2020 (Two lectures).
167. "Developing adaptability in academic & research" in National Workshop "Education During COVID-19 and Beyond" organized by School of Pedagogical Sciences, Mahatma Gandhi University, Kerala, 29th September 2020, <https://youtu.be/GQajtW6tUvU>
168. "Research Proposal Writing" Summer School on Research and Publication Ethics by UGC-HRDC Kumaun University Nainital (26/08/20 to 08/09/2020); 05/09/2020.
169. "Developing Adaptability in Academic Research", Online Refresher Course, FDC HNB Garhwal University Srinagar Garhwal, on August 20, 2020.
170. 'Self Reliance in Research: Funded Research Projects', Online Refresher Course, FDC HNB Garhwal University Srinagar Garhwal, on August 21, 2020.
171. E- Workshop on "Research Article Writing" organized by PS Academy, 24/08/2020
172. "Plagiarism in Academic Writing" in the National Workshop "Publication Ethics: Academic Writing for Research Publication" organized by Department of Education, Assam University Silchar, Dr. S. Bhattacharjee; 26/08/20
173. "Academic Writing", organized by UGC HRDC RTMNU, Nagpur, Short Term Course on Research Methodology in Social Sciences", 200-330 pm (registered participants only; Refer <http://www.hrdcnagpur.org/>) ; 27/08/20
174. "Funding Agencies", organized by UGC HRDC RTMNU, Nagpur, Short Term Course on Research Methodology in Social Sciences", 200-330 pm; 29/08/20.
175. International e-seminar on Academic Writing: Things to Know (AWTK2020), Govt PG College, Maldevta, Dehradun, July 17.
176. "Academic Writing": One week online workshop on research methodology (14-20th July 2020), Doon University, Dehradun, July 19.
177. "Plagiarism in Academic Writing: Detection and avoiding" FDP on research methodology, N.A.S. P.G. College, Meerut, July 19.
178. "E Learning and MOOCs in Education", National webinar: "Innovations in Teaching, Learning and Evaluation In Nursing Education" organized by JSS College of Nursing, Mysore, July 10, 2020. (<https://youtu.be/fATbq-63TVg> )
179. "OER & MOOCs" Seven-day Faculty Development Program on "Pedagogical Paradigm Shift: Need of the Hour" conducted by ML & JNK Girls College, Saharanpur (27th June to 3rd July 2020) on July 1st, 2020.
180. "Tools for Online Teaching Learning" Capacity Building National Workshop organized by Vasanta College of Women, BHU; 26th June 2020.
181. 'Strategies for the Leaders to Combat Research Challenges' in Online lecture-Series on 'Academic Leadership in Higher Education during and after COVID 19 Pandemic' organised by Faculty Development Center, HNBGU, Srinagar Garhwal, during June 22-26, 2020 on June 23, 2020.
182. "The New Normal in Education" National Webinar, 24 May, 2020, organized by The Internal Quality Assurance Cell of St. Albert's College Autonomous, Ernakulam, Kerala <https://youtu.be/4TSwFC9V0SA>

183. Use of Online Resources in Teaching-Learning process: National Webinar, Organized by UKA Tarsadia University, Bardoli, Gujarat, 20 May, 2020 (<https://youtu.be/MZcDHu-yqvs>).
184. "MOOCs Planning & Designing" and "Improving Learner's engagements in MOOCs", in the one week Workshop on MOOCs, E-content Development and Open Educational Resources from 24 February to 29 February 2020, organized by UGC - Human Resource Development Centre, Jamia Milia Islamia, New Delhi, on 26 February 2020.

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

- Workshop: MOOC on Fundamentals of ICT Tools for School Teachers Level 2, SCERT Uttarakhand, 21-10-24 to 26-10-24 (as trainer).
- Workshop: MOOC on Fundamentals of ICT Tools for School Teachers, SCERT Uttarakhand, 15-19 Feb. 2024 (as trainer).
- Dr Ajay Semalty, One Week Faculty Development Program, on "Academic Writing-Enhancing Scholarly Skills", organised by Faculty Development Centre, Sridev Suman Uttarakhand University, Badshahithaul, Tehri Garhwal, Uttarakhand, India, 25-29 September, 2023.
- Dr Ajay Semalty, Online Training on "Pedagogical Perspective of Virtual Labs on DIKSHA" organized by Central Institute of Educational Technology (CIET), NCERT from 10-14 July 2023.
- Dr Ajay Semalty, Online Training on "Safe Online Communication" organized by CIET-NCERT in collaboration with Cyber Peace Foundation from 03-07, July 2023.
- Dr Ajay Semalty, Online Training on "Development of eContent: Interactive Resources" organized by Central Institute of Educational Technology, NCERT from 24-28 July 2023.
- Dr Ajay Semalty, 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
- Continuing Professional Development Programme, Antimicrobials Overview, Commonwealth Pharmacists Association, 16/02/23.
- Continuing Professional Development Programme, Antimicrobial Stewardship in Community Pharmacy, Commonwealth Pharmacists Association, 17/02/23.
- Continuing Professional Development Programme, AMR & Principles of Antimicrobial Stewardship, Commonwealth Pharmacists Association, 16/02/23.
- Continuing Professional Development Programme, AMR tool kit, Commonwealth Pharmacists Association, 16/02/23.
- 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
- Learning Path/Trophy, Microsoft Educator Center, Master Microsoft Teams for any learning environment, 24/01/22.
- Learning Path/Trophy, Microsoft Educator Center, OneNote teacher academy, 25/01/22.
- Learning Path/Trophy, Microsoft Educator Center, MIE Trainer academy, 25/01/22.
- Learning Path/Trophy, Microsoft Educator Center, Office 365 teacher academy, 03/02/22.
- Learning Path/Trophy, Microsoft Educator Center, Get started with Office 365 and Windows, 30/01/22.
- COVID-19 Contact Tracing for Nursing Professionals; An online course authorized by University of Houston and offered through Coursera, 12/05/2021
- 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.

- Summer School on Research and Publication Ethics by UGC-HRDC Kumaun University Nainital (26/08/20 to 08/09/2020). (Coordinated and attended)
- Pedagogical Innovations and Research Methodology, RC (MD), SWAYAM ARPIT course, 01-12-2020 to 31-03-2021 exam held on June 2020

**Conference/Symposium/Workshop Organized during last five years**

1. Conducted Advanced Workshop on Academic Writing, NERIST, Nirjuli Itanagar, (as resource person), April 30 to May 2, 2025.
2. UGC Workshop on methodologies of uploading and offering the MOOC on the SWAYAM platform, held from 01.02.2023 to 02.02.2023 at the UGC office at ITO, New Delhi, invited by UGC as Master Trainer.
3. 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.
4. 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).
5. Advanced Academic Writing workshop, The upskilling programme for the scientists CSIR-Central Institute of Mining and Fuel Research (CIMFR) Dhanbad, 28/02/22 to 04/03/22 (Organized).
6. Conducted online Training workshop "MIE Badges Training" organized by the Academic Writing/IP Team & SWAYAM Cell, HNB Garhwal University (A Central University) Srinagar Garhwal in association with JUANA TECHNOLOGIES Pvt. Ltd, Global Training Partner & Gold Partner of Microsoft, Dec. 11 and 12, 2021 (>1000 attended and 1000 got MIE certification through training).
7. "Advanced Thesis Writing, 28 Feb- 07 March 2021, Pharma State Academy, workshop,
8. Advanced certificate workshop on Systematic Review and Meta-analysis, Jul 26-30, 2021, in association with Pharma State Academy.
9. Conducted one-week Advanced certificate workshop on Thesis Writing, Feb 14-20, 2021, in association with Pharma State Academy.
10. Conducted one-week Advanced certificate workshop on MOOC development, March 12-17, 2021, in association with Pharma State Academy.
11. Conducted Advanced certificate workshop on Plagiarism, June 4-6, 2021, In association with Pharma State Academy.
12. Conducted Advanced certificate workshop on Plagiarism, June 11-13, 2021, In association with Pharma State Academy.
13. 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>
14. 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)
15. 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](https://drive.google.com/file/d/1JcpncLmMjksYeO9_lwDAGkpW311Q8J1h/view?usp=sharing) (Organized)
16. Academic Writing Workshop: Ethiopia Chapter (SWAYAM Outreach Program), 20/08/2020. (Organized)
17. International webinar: Academic Writing: from Basic to advanced (Leaving Impact: The Uganda Chapter), 06/07/2020.
18. "Demo on Virtual Classrooms for faculty members", organized by SWAYAM Cell in association with Microsoft Team, 29 June 2020. (Organized)
19. International webinar: Academic Writing: from Basic to advanced (Leaving Impact: The Brasil Chapter), 29/06/2020. (Organized)
20. Academic Writing: From Basic to advanced (The Philippines Chapter), 21/06/2020.
21. Course coordinator, Summer School on Research and Publication Ethics by UGC-HRDC Kumaun



University Nainital (26/08/20 to 08/09/2020). (Organized)

22. Using SWAYAM & SWAYAMPBABA and other e learning resource of UGC and MHRD, Online webinar organized by Teaching Learning facilitation committee in association with SWAYAM cell, May 12, 2020 ([https://youtu.be/8XP0\\_Oo5qAg](https://youtu.be/8XP0_Oo5qAg)) (Organized)
23. Detection and avoiding Plagiarism in Research & Publication, organized by SWAYAM Cell, 12/09/2020, (Organized)
24. Chaired Main Scientific Session, 21st APP Indi-African Conference, IMA auditorium, Bareilly, 30th November, 2019.
25. Special Assistance, Workshop on "Using and Developing Open Educational Resources and MOOCs" for the teachers of Higher Education during 12-18 October, 2018 conducted by Faculty Development Centre (FDC), HNB Garhwal University, Srinagar Garhwal.

#### Some selected Publications

1. Samriti Bhardwaj, Priyanka Gauniya, Chitra, Radheshyam, Ajay Semalty, Mukul Gupta, Archan Sagdeo, Mona Semalty,  $\beta$ -Cyclodextrin/Chitosan Microparticles for Sustained Release of Dapagliflozin, Micro and Nanosystems. 2025, Accepted; ISSN (Print):1876-4029; **CiteScore: 1.6**
2. Priyanka Gauniya, Chitra, Mukesh Pandey, Radheshyam, Mukul Gupta, Archan Sagdeo, Ajay Semalty, Mona Semalty, Inclusion Complexes of  $\alpha$  and  $\beta$ -cyclodextrin with Canagliflozin Hemihydrate: Design and Characterization. Current Pharmaceutical Design, 2025, 31, In press; DOI: 10.2174/0113816128384484250729091344; ISSN (Print): 1381-6128; **IF: 2.8**.
3. Chitra, Pradeep Kumar Bera, Priyanka Gauniya, Radheshyam, Mukul Gupta, Archana Sagdeo, Ujjwal Nautiyal, Ajay Semalty, Mona Semalty, Parent and Derivative Cyclodextrin Complexes: A Systematic Review of Flavonoids and Meta-analysis of Quercetin and Rutin, Current Drug Therapy, 2025, 20, In Press, ISSN (Print): 1574-8855; **IF: 0.7**
4. Priyanka Gauniya, Radheshyam, Sukirti Dobriyal, Mukesh Pandey, Ajay Semalty, Mona Semalty, Enhancing Acyclovir Permeability Using SLS Crosslinked  $\beta$ -Cyclodextrin Nanoparticles, Micro and Nanosystems. 2025, 17/2, 143-150. DOI: 10.2174/0118764029339726241208062307; ISSN (Print):1876-4029; **CiteScore: 1.6**
5. Priyanka Gauniya, Radheshyam, Ajay Semalty, Mona Semalty, Curcumin Nanoparticles: Exploring Types and their Impact on Biopharmaceutical Performance, Micro and Nanosystems; 2025, 17(2), 101-115. e18764029339646. DOI: 10.2174/0118764029339646241003060231, ISSN (Print):1876-4029; **CiteScore: 1.6**
6. Radheshyam, Priyanka Gauniya, Mona Semalty, Ajay Semalty, Antiobesity drug discovery research: In vitro models for shortening the drug discovery pipeline, **Current Drug Targets**, 2024;25(6), 388-403. 10.2174/0113894501289136240312060838, ISSN: 1389-4501, **IF: 3.2**
7. Adhikari Lokesh, Mishra Himanshu, Semalty Mona and Semalty Ajay, Small angle neutron scattering in drug discovery research: a novel tool for advanced study of structures of biological macromolecules, **Current Drug Discovery Technologies** 2023; 20(5): e150523216942 . <https://dx.doi.org/10.2174/1570163820666230515162614>; **Cite Score. 3.7**
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9. Radheshyam, Priyanka Gauniya, Mona Semalty, Ajay Semalty, Exploring the therapeutic potential of Himalayan medicinal plants in obesity management: Bioactive compounds, mechanisms, and economic perspectives, **Int. J. Pharm. Sci. Nanotechnology**, 2025, 18(2), 7755-7765, ISSN: 0974-3278, DOI: <https://doi.org/10.37285/ijpsn.2025.18.2.5>
10. Priyanka Gauniya, Chitra, Radheshyam, Ajay Semalty, Mukul Gupta, Archana Sagdeo, Mona Semalty, Insights through crystals: Exploring X-ray diffraction techniques, Journal of Mountain Research, 19(2), (2024), 533-544; p ISSN: 0974-3030; e ISSN: 2582-5011 DOI: <https://doi.org/10.51220/jmr.v19-i2.55>
11. Radheshyam, Bhawna Basnal, Priyanka Gauniya, Mona Semalty, Ajay Semalty, In vitro antiobesity activity of some plants through a modified lipase inhibition assay, **Indian Drugs**. 2024; 61(4):72-75. ISSN: 0019-462X. <https://doi.org/10.53879/id.61.04.14175>. **CiteScore 0.2**
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13. Panwar VS, Adhikari L, Semalty Mona, Semalty A., Drug-Cyclodextrin Complexes: Current Status and



- Recent Advancements, **Indian Drugs**, 2023 (accepted in 2021), 60 (10), 7-18. ISSN: 0019-462X. CiteScore 0.3, <https://doi.org/10.53879/id.60.10.12952>, CiteScore 0.2
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  15. Adhikari L, Semalty M, Semalty A. A critical study of SWAYAM MOOCs: Increasing reach and expansion. **University News**, 2021, 59 (19): 9-18. ISSN: 0566-2257.
  16. Mishra H, Adhikari L, Semalty M, Semalty A. Cellulose acetate floating microspheres of metformin hydrochloride: formulation and characterization, **Indian Drugs**, 2020, 57,12, 65-69 . ISSN: 0019-462X.
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  19. Mukesh Pandey, Lokesh Adhikari, Rupali Kotiyal, Ajay Semalty, Mona Semalty, Preparation and evaluation of hair growth formulations of Indian ginseng (*Withania somnifera*) for alopecia, **Asian Journal of Biological Sciences**, 2019, 12, 524-532. ISSN: 1996-3351; <https://doi.org/10.3923/ajbs.2019.524.532>; Science International.
  20. Mona Semalty, Lokesh Adhikari, Divya Semwal, Anita Chauhan, Akash Mishra, Rupali Kotiyal and Ajay Semalty, A comprehensive review on phytochemistry and pharmacological effects of Stinging Nettle (*Urtica dioica*), **Current Traditional Medicine**, 2017, 3(3), 156-67. ISSN 2215-0846. DOI: 10.2174/2215083803666170502120028 ; SCOPUS Citescore- 0.4; Bentham Science
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  30. **Ajay Semalty**, Mona Semalty, Vandana S. Panda, Kirtika H. Asrani, Hardik D. Ashar, Herbal Drugs in Chronic Fatigue Syndrome: An Overview, **Schweiz Z Ganzheitsmed (Swiss Journal of Integrative Medicine)**, 2012, 24, 155-68. ISSN: 1015-0684; DOI:10.1159/000339011; IF 0.4
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#### Other General Publications

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42. Semalty M, Adhikari L, Semalty A., Benchmarking SWAYAM MOOCs, Taking learners from enrollment to exams, CEC News, March 2020, 21(03), 3-6.

#### Books

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2. Ajay Semalty, Industrial Pharmacy-I, 2021, ISBN: 9789390211722, Pharma Med Press, Hyderabad, India; [https://bspublications.net/book\\_detail.php?bid=158](https://bspublications.net/book_detail.php?bid=158).
3. Ajay Semalty, Quick Review: Industrial Pharmacy-I, 2021, ISBN: 9789391910242 Pharma Med Press, Hyderabad, India; [https://bspublications.net/book\\_detail.php?bid=1581](https://bspublications.net/book_detail.php?bid=1581)
4. Ajay Semalty, Industrial Pharmacy-I (Hindi), 2022, ISBN: 9789391910389, Pharma Med Press, Hyderabad, India; [https://bspublications.net/book\\_detail.php?bid=1582](https://bspublications.net/book_detail.php?bid=1582).
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**Patents: (04)**

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**Massive Open Online Courses (MOOCs) with record enrolments (more than 97000 learners across 90 countries)**

- Course Coordinator; "**Academic writing**" SWAYAM MOOC (15 week, 40 e- modules; 4 credit course); [https://swayam.gov.in/nd2\\_ugc19\\_ge03/preview](https://swayam.gov.in/nd2_ugc19_ge03/preview) (July Oct. 2019 cycle; 12532 learners) & [https://swayam.gov.in/nd2\\_cec20\\_ma04/preview](https://swayam.gov.in/nd2_cec20_ma04/preview) (January- July 2020 Semester; 7546 learners); ([https://swayam.gov.in/nd2\\_cec20\\_ge29/preview](https://swayam.gov.in/nd2_cec20_ge29/preview), July Oct. 2020 cycle; 8645 learners); ([https://onlinecourses.swayam2.ac.in/cec21\\_ge18/preview](https://onlinecourses.swayam2.ac.in/cec21_ge18/preview) January- July 2021 Semester; 6647 learners); [https://onlinecourses.swayam2.ac.in/cec21\\_ge32/preview](https://onlinecourses.swayam2.ac.in/cec21_ge32/preview) (July-Oct. 2021; 11047); [https://onlinecourses.swayam2.ac.in/cec22\\_ge01/preview](https://onlinecourses.swayam2.ac.in/cec22_ge01/preview) (Jan-July 2022; 8078); [https://onlinecourses.swayam2.ac.in/cec22\\_ge44/preview](https://onlinecourses.swayam2.ac.in/cec22_ge44/preview) (July-Oct. 2022; 10020); [https://onlinecourses.swayam2.ac.in/cec24\\_ge17/preview](https://onlinecourses.swayam2.ac.in/cec24_ge17/preview) Jan. 2024 12854; [https://onlinecourses.swayam2.ac.in/cec26\\_ge05/preview](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
- 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](https://swayam.gov.in/nd2_cec19_ge01/preview); (July Oct. 2019 cycle; 2299 learners); [https://swayam.gov.in/nd2\\_cec20\\_lb05/preview](https://swayam.gov.in/nd2_cec20_lb05/preview), (July Oct. 2020 cycle; 5070 learners); [https://onlinecourses.swayam2.ac.in/cec21\\_lb04/preview](https://onlinecourses.swayam2.ac.in/cec21_lb04/preview) (July-Oct. 2021; 4210); [https://onlinecourses.swayam2.ac.in/cec22\\_lb02/preview](https://onlinecourses.swayam2.ac.in/cec22_lb02/preview) (Jan- July 2022; 3772); [https://onlinecourses.swayam2.ac.in/cec22\\_lb04/preview](https://onlinecourses.swayam2.ac.in/cec22_lb04/preview) (July-Oct. 2022; 3992); **Total 19343 learners.**
- Developed 4 modules (Module no. 37-40; <http://tiny.cc/ARPIT>) for ARPIT course: Pedagogical Innovations and Research Methodology by UGC HRDC GJ University of Science and Technology Hisar. ([https://swayam.gov.in/nd2\\_arp19\\_ap72/preview](https://swayam.gov.in/nd2_arp19_ap72/preview))
- 02 Courses for SWAYSMPRABHA channel (30 hrs video lectures prepared in 2020-21):
  - Novel Drug Delivery systems: <http://tiny.cc/SEMALTYNDDS>
  - Pharmaceutical Production Technologies: <http://tiny.cc/SEMALTYPPT>; [https://drive.google.com/drive/u/2/folders/1xWa5pliUII\\_maxjHUT-kDkUIFxszyDoe](https://drive.google.com/drive/u/2/folders/1xWa5pliUII_maxjHUT-kDkUIFxszyDoe)
- **Online Courses (other than SWAYAM)- 25 Courses**

**Total Number of Research Publications:**

Papers	-	101 (46 International, 55 National)
Scientific Abstracts	-	100 (18 International, 82 National)
Chapter in Book	-	52 (01 International, 51 National)
Books	-	11
Patents	-	04 (03 granted, 1 filed)
Projects	-	14 (02 ongoing)
E content development	-	more than 200 hrs

<b>MOOCs (SWAYAM online courses)-</b>	-	<b>02 (by UGC and CEC)&gt; 50 hrs video lectures</b>
<b>E -Modules for ARPIT Course</b>	-	<b>04</b>
<b>SwayamPrabha emodules</b>	-	<b>30 hrs (50 lectures; two courses))</b>
<b>Total citations</b>	-	<b>&gt;3100</b>
<b>H index</b>	-	<b>28</b>
<a href="https://scholar.google.co.in/citations?user=rsy5X4UAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=rsy5X4UAAAAJ&amp;hl=en</a>		
<b>I10 Index</b>	-	<b>41</b>
<b>Total Impact</b>	-	<b>&gt; 150</b>
<b>MOOCs</b>	-	<b>06 (02 on SWAYAM, 3 on Esrijan of SCERT, 1 under development on Indian System of Medicine: Ayurved)</b>
(Developed and run; by UGC and CEC; PIONEER IN UNIVERSITY & PHARMACY; > 84000 learners from 95 countries. RANKED NUMBER #1 MOOC OF COUNTRY and ranked in TOP 30 MOOCs WORLDWIDE: available at <a href="http://www.swayam.gov.in">www.swayam.gov.in</a> )		
Online Courses (other than SWAYAM)	-	<b>25 Courses</b> (at Private edtech platforms and SCERT Uttarakhand)
Scopus id: 23976816400		
ORCID 0000-0002-2512-8516		
FB Page: <a href="https://www.facebook.com/DrSemalty">https://www.facebook.com/DrSemalty</a>		
Channel: <a href="https://cutt.ly/OKlive">https://cutt.ly/OKlive</a>		
Podcast: <a href="https://amzn.eu/d/dcByQrE">https://amzn.eu/d/dcByQrE</a>		
News clips: <a href="http://tiny.cc/AWnews">http://tiny.cc/AWnews</a>		
SWAYAM promotion/Lectures: <a href="http://tiny.cc/SWAYAM">http://tiny.cc/SWAYAM</a> ;		
Academic Writing Lectures: <a href="http://tiny.cc/AWSemalty">http://tiny.cc/AWSemalty</a>		