

Dr. Ajay Semalty
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 Professor (Associate)
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 9412964614, www.hnbggu.ac.in



Experience: Total 23 Yrs

(Teaching: 22 Yrs; Industrial: 01 Yr)

Professional Qualifications: **M. Pharm. (Pharmaceutics), MBA (Operations Management);
 Ph. D. (Chemistry and Pharmacy),
 PDF Meijo University, Nagoya, Japan.**

Achievements:

- **Listed in the World's top 2 % Scientists** (by Stanford University research 2020 to 2025 (06 times).
- **International Award: Awarded Daiko Foundation Post-Doctoral Research Fellowship and invited by Meijo University, Nagoya, Japan as a visiting scientist for Research for FY 2011-12.**
- **National award:** Received the prestigious **Research Award (A National award** given in every two years to the 100 teachers for excellence in research from all over India covering all the subjects) in Pharmacy by UGC, New Delhi for **2016-18.**
- **State Award: Young Scientist Award 2007** by Uttarakhand Council of Science & Technology (UCOST).
- MOOCs in top 5 (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 (https://www.ugc.ac.in/pdfnews/1033053_Letter-Online-Learning-Courses.pdf).
- 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>).

Associations and Affiliations

- **Member- The Asian Council of Science Editors, PCI, APTI. Commonwealth Pharmacists Association, British Society for Antimicrobial Chemotherapy (BSAC)**
- **Member of the National Panel of UGC's resource persons**
- **Expert reviewer: Iceland Research Foundation Iceland.; Israel Science Foundation (ISF) Israel.; Scientific Expert (REPRISE) for Ministry of Institution and University Research (MIUR), Italy; DST Govt. of India**
- **Peer reviewer- Elsevier Books US.**
- **Founder Vice President-Association of Pharmaceutical Teachers of India (APTI) of Uttarakhand State branch for 2008-13.**
- **Visiting Scientist, Faculty of Pharmacy, Meijo University Nagoya, Japan.**

- University SWAYAM Coordinator, SPOC- NPTEL Local Chapter
- **Member Academic Council: 2023-24, HNBGU.**
- **Member Board of Studies (BoS) 2025-26 HNBGU.**
- **Member Board of Studies (BoS) 2023-24, Swami Rama Himalayan University.**
- Editorial Board Member of *various national and International reputed journals.*
- **Certified Microsoft Innovative Educator Master Trainer**
- **Master Trainer of UGC for SWAYAM MOOC developers/ CCs.**
- **Peer reviewer for various national and International journals of repute**

Invited lectures Delivered: > 500 (OER, Academic writing, Nanoparticle research, Research methodology, Research ethics, Software in research, MOOC, blended/ flipped learning, research proposal writing, academic integrity, plagiarism, pharmaceutical research, industrial pharmacy, Pharm Tech etc.)

Funded Research Projects	14	(More than INR 2.0 Crore)
Completed	11	(01 international: 08 national from DST, AICTE, UGC)
Ongoing	01	(from DAE)
M. Pharm Project Supervised	-	30 (and two ongoing)
Ph D supervised	-	02 (plus 01 pursuing)
Publications		
Papers	-	100 (43 International, 57 National)
Scientific Abstracts	-	85 (15 International, 70 National)
Chapter in Book	-	52 (01 International, 51 National)
Books	-	11
Patents	-	03 (granted); 01 (filed)
E content development	-	more than 200 hrs
MOOCs (SWAYAM online courses)-		03 (by UGC and CEC) > 50 hrs of video lectures
MOOC project (ongoing)	-	01 (Indian Medicine System)
E -Modules for ARPIT Course	-	04 (2 hrs)
SWAYAMPBHA e-modules	-	30 hrs (50 lectures; two courses)
Online Courses (other than SWAYAM)-	24	Courses
(https://pharmastate.academy/profile/ajaysemalty/; Fundamental of ICT Tools for School Teachers; Fundamental of ICT Tools for School Teachers 2.0 and 3.0 developed for SCERT, Uttarakhand)		
Total citations	-	>3100
H index	-	29
(https://scholar.google.co.in/citations?user=rsy5X4UAAAAAJ&hl=en)		
I10 Index	-	41
Total Impact	-	> 150

Scopus id: 23976816400

ORCID 0000-0002-2512-8516

MOOCs (SWAYAM online course)- More than 100 hr; 02 (Academic Writing & Industrial Pharmacy I) [PIONEER IN UNIVERSITY & Pharmacy profession] with more than 96000 learners from 100 countries.

Focus Area of Research

Formulation and Development, Herbal drug delivery, Herbal drug delivery (for obesity, hair growth promotion etc.) Phospholipid/ Cyclodextrin based drug delivery systems, Mucoadhesive drug delivery, Novel and controlled drug delivery, Solubility improvement, nanoparticles, solid-state characterization, SANS, ADXRD, SEM etc.

Compiled links: <https://tiny.cc/linksbysemalty>

(Dr Ajay Semalty)