



NATIONAL INSTITUTE OF AYURVEDA

Deemed to be University (De Novo)

**CERTIFICATE COURSE ON TRAINING FOR QUALITY
CONTROL PARAMETERS OF AYURVEDA DRUGS**

Brochure

(Batch starts on 30th January to 9th February 2025)

(10 days Training programme)



IMPORTANT INFORMATION

Register yourself to book your seat.

IMPORTANT DATES & INFORMATION

Brochure available on www.nia.nic.in from	1 st January 2025
Commencement of Application forms can be filled and submitted only online mode from our website www.nia.nic.in Along with Admission Fee	6 th January 2025
Last Date of Submission of Application form along with Application Fees	20 th January 2025
Final list of selected candidates will be released on	22 th January 2025
Deposit of Course Fees by selected candidates	Within 5 days (22 th January – 26 th January 2025)
Commencement of Classes	30 th January 2025
Application Fee	Rs. 300.00 (General /OBC/EWS Candidates) Rs. 150.00 (SC/ ST/PH Candidates)
Course Fees	Rs. 5000.00 (Includes lunch, Tea- 2/ day, Accommodation not included)
Any other information will be updated on institute website www.nia.nic.in . Candidates are advised to visit the website regularly.	



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**NIADU,
Jaipur
2025**

About NIA

National Institute of Ayurveda was established in 1976 by the Government of India as an apex Institute of Ayurveda in the country to develop high standards of teaching, training, clinical services and research in all aspects of Ayurveda with a scientific approach. NIA offers UG, PG and Post Doctoral courses on all branches of Ayurveda along with short term courses on various important areas of Ayurveda to both Indian and Foreign nationals. NIA plays a very important role in formulating standards, guidelines and policy making of the AYUSH sector by its technical inputs.

About Department of Dravyaguna Vigyan

Dravyaguna vigyan is an integral part of Ayurveda, which deals comprehensively about rasa, guna virya, vipaka and prabhava (pharmacokinetics and pharmacodynamics) of herbs. Branch also deals with identification, collection, storage, and preservation of raw materials of plant origin.

The Department of Dravyaguna vigyan is essentially involved with the research, teaching & training at undergraduate, post graduate and Ph.D. levels. Specific stress is laid on imparting scientific pharmacological basis of drugs originated from all natural sources viz. vegetative, animal, mineral and marine. In an era when neo-scientific world demands data based evidence bodies to substantiate and accept the millennia old facts of therapeutic benefits of the natural substances described in Ayurveda, the department recognizes and sincerely plays the leading role in creating scientific basis to rational Ayurvedic therapeutics. The department deals with natural drug research in a synthetic manner by adopting both Ayurvedic and current scientific methods to generate globally acceptable data.

The Department is equipped with a highly sophisticated pharmacognosy & phytochemical laboratory with instruments like HPLC, Spectrophotometer to undertake analytical studies of the drug

sample. Various aspects of flora are studied for exploring and determining their properties.

The Department maintains a demonstrative medicinal plant garden within the campus. The department has a National Repository of Genuine Drugs and a rich museum of dry drug samples.

About the Course –

The certificate course on “training for quality control parameters of Ayurveda drugs” is a course designed to give exposure of sophisticated instruments used for drug testing and hands on training of specific pharmacognostical and physiochemical tests conducted to check the quality of Ayurvedic drugs. It is a laboratory program designed for people who seek a preliminary training in quality analysis.

Advantage with NIA

The candidate gets to learn from the qualified, experienced and best in class faculties in the country in the most premier infrastructure in the country. Every candidate undergoing the course will be confident and trained a class apart from the rest. After successful completion of the course, the candidate will be awarded the certificate from NIA, an institute having best reputation and acceptance at national and international platforms.

Course Scope

This Course will help one to learn, get practically trained on quality analysis techniques according to API and ICMR as well as working of sophisticated instruments such as HPTLC, HPLC. The candidate will become confident in this subject along with a deeper insight on the variable tests which are performed on the basis of the form of the drug according to the government

standards. After completing the course, Scope for the technical assistants/Experts is as following:

1. Basic knowledge of lab equipment's, glassware, chemicals and documentation.
2. Learning how to use sophisticated instruments
3. Updation of knowledge and skill on quality analysis procedures
4. Value addition in research purposes for future.

Course Description

This course will cover Introduction to common pharmacognostical tests (organoleptic, microscopic, macroscopic analysis, etc.) as well as physiochemical tests (HPLC, HPTLC, ash value, etc.) used for quality testing purposes of medicinal plants. Participants will be made to practically perform the techniques. Methodologies used for variable analysis will also be discussed in detail.

Course Topics

Lesson	Title	Duration
	Welcome & Inauguration	30min.
1	Plant collection, preservation and Herbarium sheet preparation	1 hour
2	Organoleptic evaluation	30min.
3	Microscopy (Transverse section, longitudinal section)	1 hours
4	Powder microscopy	1 hour
5	Stomata index	1 hour
6	Stomata number	1 hour
7	Foreign matter	1 hour
8	Moisture content	1 hour
9	pH value	1 hour
10	Melting point	1 hour
11	Ash value (total ash, acid insoluble ash and water soluble ash)	2 hours
12	Extractive value (alcoholic, aqueous and petroleum ether)	2 hours

13	Thin layer chromatography	2 hours
14	HPLC (High performance liquid chromatography)	2hours
15	HPTLC (High performance thin layer chromatography)	3 hours
16	Bulk density/Tapped density	1 hour
17	Specific gravity	1 hour
18	Viscosity	1hours
19	Phytochemical analysis	1 hour
20	Sugar estimate (total sugar, reducing sugar, non-reducing sugar)	2 hours
21	Tannin evaluation	2 hour
22	Total fat content	1 hours
23	Peroxide value	2 hour
24	Acid and saponification value	2 hour
25	Iodine value	1 hour
TOTAL		35hours

Medium of Instruction: English and Hindi

Seats: 30 Participants

Batch Duration – 10 days, 35 hours

Online theory classes (link will be shared to candidate in the contact e-mail)-
30th January 2025 to 5th February 2025, Time 09:00 AM to 11:00 AM

Practical classes (Will be held on Dravyaguna vigyan lab NIA) - 7th February to
9th February 2025, 09:00 AM to 04:00 PM

Trainers:

1. Prof. Sudipta Kumar Rath (HOD)
2. Dr. Sumit Nathni (Associate professor)
3. Dr. Krutika Suhas Chaudhary (Assistant professor)
4. Dr. Tarun Sharma (Assistant professor)
5. Dr. Viashali (Assistant professor)
6. Dr. Gaurav Sharma (Pharmacologist)
7. Mr. Surendra Yadav (Museum curator)
8. Mr. Raghunath Prasad Yadav (Phytochemist)
9. Mr. Mehul Choudhary (Phytochemist)
10. Mrs. Sonam Gausaiwal (Taxonomist)

11. Ms. Keerti Khatumaria (Pharmacognosist)

12. Ms. Anisha Madan (Chem. Lab. Tech.)

13. Mr. Asharam Saini (Bot. Lab. Tech.)

Course material: Study material related to the course will be provided to the participants in soft copy.

Eligibility for Admission: Those who have completed their B.Sc, BAMS, D. Pharma, B. Pharma

Certificate: Certificates will be awarded to the participants by the Institute after completion of program.

General Rules and Regulations: As per the rules and regulations of NIADU.

Application Fee: Applicants have to pay application fee **Rs.300** (General/OBC/EWS) and **Rs. 150** (SC/ST/PH Candidates) through online mode on Right corner option of website-nia.www.nia.nic.in named Fee Payment. After Successful payment keep screenshot of transaction detail for further Application Submission. Application Fee once paid will not be refunded under any circumstances.

Accommodation at NIA Guest House: Accommodation at NIA Guest House may be availed by the trainees on payment basis, subject to the availability. The tariff of the rooms is Rs.1400/ for double occupancy and Rs. 1000/ for single occupancy.

Online Application Form: Applicants have to fill application form after fee payment through this www.nia.nic.in

Course Fees: Selected candidates have to deposit Course fee of **Rs. 5000.00 (Five thousand only)** within given time period through online mode on Top right corner option on website www.nia.nic.in home page with named as Fee Payment. Course Fee once paid will not be refunded under any circumstances.

How to apply/Last Date for Receipt of Applications:

Candidates are required to apply through www.nia.nic.in The Institute will not consider any other format or application Performa. Duly filled application form

enclosing self-attested copies of all certificates, mark sheets, testimonials in support of age, educational qualifications, caste/community in prescribed format by Govt. of India uploaded in given link www.nia.nic.in before 5pm, 20-01-2025. Applications received after the Closing Date will not be accepted.

Invalid Applications:

Candidates are advised to read all instructions carefully before sending their applications otherwise their applications are likely to be rejected on one or more of the following reasons in terms of the notifications.

- Applications received after the closing date.
- Applications not in prescribed format.
- Candidates not having the required qualifications.
- Applications without latest uploaded photo.
- Applications without declaration.
- Application without signature.
- Applications without supporting documents.
- Applications, which are incomplete.
- Applications without the prescribed Application Fee.

Selection & Admission Procedure:

Selection of the candidates will be done as per First come first serve basis. The submitted application forms will be screened and the selected candidates will be intimated by phone / email. The candidate has to deposit the Course fee within 5 days of the intimation to confirm his / her admission. If the course fee is not deposited by the stipulated time, then the right to admission will be forfeited without any further notice. The Vice Chancellor, NIA reserves all right to reject any application form without assigning any reasons.

Contact: - Monday to Friday (9:00 AM to 4:00 PM)

Website: www.nia.nic.in

E-mail – dglab@nia.edu.in

Mr. Raghunath Prasad Yadav (9001925290)

Mr. Mehul Choudhary (9783383878)