

GOVERNMENT OF INDIA
MINISTRY OF AYUSH
LOK SABHA
UNSTARRED QUESTION NO.-2638
TO BE ANSWERED ON 04/08/2023

“QUALITY EDUCATION IN AYUSH STREAMS”

2638. SHRIMATI POONAMBEN MAADAM:

Will the Minister of **AYUSH** be pleased to state:

- (a) whether the Government has taken any steps to ensure the quality of education in AYUSH streams;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government has any plans to offer any funding to the academic institutions for research and innovation in AYUSH sector; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF AYUSH
(SHRI SARBANANDA SONOWAL)

(a) & (b) Yes, In order to regulate/ensure transparency, to improve quality and functioning of AYUSH Colleges across the Country, the National Commission for Indian System of Medicine (NCISM) Act, 2020 and National Commission for Homoeopathy (NCH) Act, 2020 were notified and published on 21st September, 2020 in the Official Gazette of India. Accordingly, as per the provisions of NCISM & NCH Act, the National Commission for Indian System of Medicine Act, 2020 came into force with effect from 11th June, 2021 and National Commission for Homoeopathy Act, 2020 came into force with effect from 5th July, 2021 respectively.

The details of National Commission for Indian System of Medicine (NCISM) Act, 2020, are available at the following link: <https://ncismindia.org/NCISM%20Gazette%20notification.pdf>

The details of National Commission for Homoeopathy (NCH) Act, 2020, are available at the following link: https://www.livelaw.in/pdf_upload/pdf_upload-381801.pdf

Further, the following reforms have been taken for bringing transparency & improve quality education in AYUSH institutions:

- (i) Admission is being done through the common Entrance Examination now National Eligibility Entrance Test (NEET-UG) to all Ayurveda, Siddha, Unani, and

- Homoeopathy (ASU & H) Under-graduate courses conducted by National Testing Agency (NTA).
- (ii) Admissions to all Ayurveda, Siddha, Unani, and Homoeopathy (ASU & H) Post graduate Colleges are being done through a common Entrance test called All India AYUSH Post Graduate Entrance Test (AIAPGET) conducted by National Testing Agency (NTA).
 - (iii) All India Quota Seats has been created: Minimum 15% of the total seats (which may be more as per existing rules of the concerned State/University/Institutes) of all ASU & H (UG & PG) courses in Government, Government aided, Private Colleges, Deemed Universities, Central Universities and National Institutes from academic year 2019-20.
 - (iv) A committee namely AYUSH Admissions Central Counseling Committee (AACCC) has also been constituted for conduction of All India Quota Seats for conduction of counseling of All India Quota (AIQ) seats under Government, Government aided, Central Universities National Institutes and Deemed Universities for every academic year.
 - (v) National Commission for Indian System of Medicine (Minimum Standards of Undergraduate Ayurveda Education) Regulation-2022 has been notified.
 - (vi) National Commission for Indian System of Medicine (Minimum Standards of Undergraduate Unani Education) Regulations-2022 has been notified.
 - (vii) National Commission for Indian System of Medicine (Minimum Standards of Undergraduate Siddha Education) Regulations-2022 has been notified.
 - (viii) National Commission for Indian System of Medicine ((Minimum Standard of Undergraduate Sowa-Rigpa Education) Regulations-2022 has been notified.
 - (ix) National Commission for Homoeopathy (Homoeopathy Graduate Degree Course – Bachelor of Homoeopathic Medicine and Surgery (B.H.M.S). Regulations- 2022 has been notified.
 - (x) Post Basic Diploma in Ayurvedic Nursing Programme as additional qualification (add on Allopathy Nursing degree) has been notified by Indian Nursing Council (INC).
 - (xi) Institute of Teaching and Research in Ayurveda (ITRA), Jamnagar has been accorded the status of Institute of National Importance on 15.10.2020 by an Act of Parliament.

Furthermore, to ensure the quality of education in Ayurveda, Siddha, Unani, Sowa- Rigpa and Homoeopathy (ASUSR & H) Colleges, the several steps have been taken by National Commission for Indian System of Medicine and National Commission for Homoeopathy. Details of step taken by the NCISM and NCH are placed as **Annexure-I**.

In addition to this the Government of India has setup Central Council for Research in Ayurvedic Sciences (CCRAS) an autonomous organization for undertaking coordinating formulating, developing and promoting research on scientific lines in Ayurveda. The research activities are carried out through 30 institute/Centres located all over India and through collaborative studies with various Universities, Hospitals and Institutes.

The Council is in active collaboration with institutes of national repute such as AIIMS New Delhi, BHU, IIT Delhi, IIT Guwahati, ICMR, CSIR, DRDO, JNU, National Innovation Foundation, IISER Pune, etc.

Further, to promote and spread information, knowledge and awareness of Ayurveda and Ayurvedic medicines, CCRAS is regularly participating in various Arogya Melas, Ayurveda day, Azadi ka Amrit Mahotsav and related activities etc. as per the directives of the Ministry of Ayush.

The Council is also creating awareness regarding Health, Hygiene, and Ayurveda based diet & lifestyle advocacy for maintenance of health & prevention of disease through research oriented public health care programmes viz. Ayurveda Mobile Health Care Programme under Schedule Caste Schedule Plan (AMHCP-SCSP) & Tribal Health Care Research programme (THCRP) programme.

(c) & (d) Yes, The Ministry of Ayush is running/implementing the Central Sector Scheme namely AYURGYAN Scheme having two components, i.e., (i) Capacity Building & Continuing Medical Education (CME) in Ayush (ii) Research & Innovation in AYUSH from the FY 2021-22. Under the research & Innovation in AYUSH, financial assistance is provided to the Organizations/Institutions for research studies, for promotion of AYUSH research and to support research & Innovation in AYUSH.

The details of fund allotted for Ayurveda, Yoga & Naturopathy, Unani and Siddha research projects supported to the organization/ Institution throughout the country for Research & Innovation in Ayush component of AYURGYAN Scheme (FY 2021-22 and 22-23) is placed at **Annexure-II**.

Further, for Postgraduate students Ministry of Ayush has approved 100 Ph.D. fellowships (**Ayush Ph.D. Fellowship programme**) for 5 different disciplines of Ayush through their respective research councils i.e. CCRAS (Ayurveda), CCRYN (Yoga & Naturopathy), CCRUM (Unani), CCRS (Siddha) and CCRH (Homoeopathy). This programme was initiated by Ministry of AYUSH in the year 2016 in all Research Councils through CCRAS as a Nodal council to encourage quality research in AYUSH Systems, to further enhance research opportunities for meritorious AYUSH Scholars and to generate good human resource for quality research in AYUSH sector.

There are 60 fellowships for Ayush disciplines per annum i.e. Ayurveda 32, Yoga & Naturopathy 8, Unani 3, Siddha 5 and Homoeopathy 12. The stipend of a SRF of Ayush disciplines selected through AYUSH National Eligibility Test (NET) is Rs.35,000/- + HRA per month. In addition, annual contingent grant of Rs.20,000/- per annum per fellow along with one time research contingent grant of Rs.1.00 lakh is provided through the University / Institution. The tenure of SRF is for a period of 3 years.

There are 30 fellowships for Non Ayush disciplines per annum for the concerned research councils i.e. Ayurveda 16, Yoga & Naturopathy 4, Unani 3, Siddha 2 and Homoeopathy 5. The CSIR & equivalent NET qualified Non-Ayush (non-medical) Ph.D. fellows selected are provided JRF for 2 years @Rs.31,000/- as stipend + HRA per month and annual contingency

@Rs.20,000/- along with one time additional research contingent grant of Rs.1.00 lakh. After two years, the JRF is upgraded into SRF @Rs.35,000/- stipend + HRA per month. In addition, annual contingent grant of Rs.20,000/- per annum per fellow along with one time research contingent grant of Rs.1.00 lakh is provided through the University / Institution. The tenure of SRF is for a period of 3 years.

There are 10 fellowships for the selected universities i.e. Ayurveda 5, Yoga & Naturopathy 1, Unani 1, Siddha 1 and Homoeopathy 2.

Furthermore, The Central Council for Research in Ayurvedic Sciences (CCRAS) has launched several schemes to promote quality and innovative research in Ayush and allied sciences disciplines in the field of Ayurved at Undergraduate, Postgraduate, doctoral and Post-doctoral levels.

(i) Studentship Programme for Ayurveda Research Ken (SPARK): The Studentship Program for Ayurveda Research KEN (SPARK) has been launched in 02.09.2022 in order to promote interest and aptitude for research among Ayurveda undergraduates. The main objective of this program is to provide an opportunity to undergraduate Ayurveda students to familiarize themselves with Research Methodology and techniques by being associated for a short duration with their seniors on ongoing research program or by undertaking independent projects.

The value of the studentship is Rs.25,000/- per month for two months duration (Total Rs.50,000/- only) for undergraduate students of Ayurved Colleges which is provided yearly to 100 eligible students on acceptance the Final Report of their research proposals.

(ii) Scheme for Training in Ayurveda Research for PG Scholars (PG-STAR):The Council has launched “Scheme For Training In Ayurveda Research For PG Scholars (PG-STAR)”in June 2023 for Ayurveda Post Graduate Scholars pursuing their MD/MS(Ayu) courses. The Amount of Scholarship is up to Rs 1,00,000/- per scholar and 100 Scholarships are granted per year.

(iii) CCRAS Post-Doctoral Fellowship Scheme (PDF): PDF Scheme has been initiated in 2021 with ten (10) fellowships every year to promising fresh Ph.D. holders/MD Scholars. The scheme has been instituted for identifying promising young researchers with innovative ideas and provides them with training and research opportunities in Ayurveda and other allied sciences

The selected 10 candidates are provided the fellowship of Rs.60,000/- per month + HRA + Rs.3,00,000/- annual contingency for 2 years.

(iv) Scope for Mainstreaming Ayurveda Research in Teaching Professionals (SMART) program:The program is designed to enable research that has the potential to improve our understanding of safety and efficacy of Ayurveda formulations. Currently, SMART program is being implemented in 54 institutes/academic organization in six different clinical conditions comprising of more than 50 investigators.

**NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE,
NEW DELHI**

Education Policy Reforms and Teaching/Training Model

To align with New Education Policy 2020, global standards in medical education, and to produce meritorious and skilled Ayurveda, Siddha, Unani and Sowa-Rigpa (ASUS) graduates, NCISM has brought logical reforms in medical education policy, essential standards in education, educational administration, teaching/training methodologies, assessment process, technological assistance in education etc., and the same is detailed below:

I. Reforms in Medical Education:

1. Lecture and Non-Lecture hours: The ratio between Lecture and Non-Lecture hours has been reversed to 1:2 to promote professional skill, and soft skills. Non-Lecture includes 70% practical or clinical hours and 30% demonstrative or activity-based teaching i.e. small group teaching, tutorials, seminars, symposiums, assignments, role play, skill lab training, integrated learning, problem based learning, evidence based learning, pharmacy training, laboratory training, simulation based training, inquiry based learning, field visits, inter-disciplinary teaching, flipped class room, blended learning etc.

2. Elective subjects with credit-based system: The introduction of electives is intended to provide opportunity to students to get introduced, oriented and exposed to various allied subjects, to build inter-disciplinary approach, and to promote self-directed/guided learning. Before taking the final professional exam, each student must qualify for a minimum of nine electives. This is purely online program and on the line of ease of doing business. The study hours of elective are over and above the prescribed teaching hours. Students have been given flexibility to choose their elective subjects as per their area of interest and study electives at their leisure times.

3. Transitional Curriculum: 15-day induction programme (90 hours) with transitional curriculum has been introduced for newly admitted students before the commencement of regular classes. The students getting admitted to the ASUS undergraduate program from different backgrounds, different regions having different cultural and linguistic backgrounds. Their educational qualifying qualifications are also from diversified curriculums, i.e., state syllabus, CBSE, ICSE etc. studied in different mediums of language. Hence, there is a need to transit students of diversified backgrounds to the unique ASUS undergraduate courses through induction program.

4. Competency Based Syllabus: Has been introduced with well-defined graduate's attributes, programme outcomes, course outcomes, difficulty level, advanced teaching-training methods at par with global standards, formative assessment for continuous evaluation of the students, summative assessment methods, the blue print of the question paper, vertical/horizontal integration, etc.

5. Early Clinical Exposure: Begins with the first professional session to provide more clinical training exposure and build self-confidence.

6. Separate hours for library, sports, and recreation in the regular time-table of all batches for effective utilisation of library, express talent in co/extracurricular events and promote physical and mental wellness.

7. Methodology for supplementation of modern advances, scientific and technological developments in Ayurveda, Siddha, Unani and Sowa-Rigpa have been introduced. Such supplementations will be useful for proper understanding of course contents, validation, teaching, investigations, diagnosis, prognosis, documentation, standardisation, conduction of research etc.

8. Formative Assessment: In addition to the university examination (summative assessment), formative assessment is introduced, which includes nine periodical tests and two term tests). So that students shall be assessed periodically to assess their performance in the class, determine the understanding of programme material and their learning outcomes.

9. Academic calendar: An academic calendar for the entire course period is introduced to ensure uniform academic administrative patterns throughout the country.

10. Rating of Medical Colleges/Institutes: As per the NCISM Act 2020, NCISM is determining rating criteria for medical institutions over and above minimum standards so as to make the institutions to undergo the development process towards higher standards. Rating criteria has been fixed mainly on Inspirational index (based on student's feedback) and Loyalty index (based on teacher's feedback). The speciality of NCISM Rating Method is the provision for giving negative marks to the institution based on Student Inspirational Index.

11. Penalising ASUS Medical institutions: NCISM is taking measures such as warning, imposition of monetary penalty, reducing intake, etc., as in the case of on paper teaching faculties, failure to maintain essential minimum standards, administration malpractice, submission of fake documents etc.,

II. Involvement of stakeholders in decision making:

1. Industry-Academia Interface: Meetings of academicians and industry personnel have been conducted to formulate the methodology for offering apprenticeships or internships in industry-oriented training for post-graduates.

2. Survey among ASU (Ayurveda, Siddha and Unani) students: A questionnaire prepared by social scientists has been shared with ASU students to get their opinion on existing course curriculum and syllabus, teaching, training, assessment, course outcomes, etc. Their logical suggestions have been considered and incorporated into new regulations.

3. Professional career of female graduates in Ayurveda, Siddha, Unani and Sowa-Rigpa (ASUS), a survey: A survey among ASUS graduates who passed out between the years 1996 and 2015 is underway to get a clear picture of their profession, which is necessary to make new policies and reforms in medical education.

4. Heal by India: International ASUS practitioners and experts were invited to have discussion on overseas opportunities and prepare orientation materials regarding overseas

opportunities, information and requirements related to international practice. Under this initiative, in future, final professional students and interns of ASUS institutions will get oriented by the NCISM approved Heal by India coordinator of the concerned college on the basis of NCISM prescribed orientation materials.

5. Thought Experiment: A survey has been conducted with a specific questionnaire (prepared separately for Ayurveda, Unani and Siddha) to get opinions from the teaching faculties of AUS colleges across the country on the current pattern of teaching/training, syllabus of UG/PG, nomenclature of the specialties and specialists, the level of teaching/training, teaching and training materials, etc. Their suggestions will be valuable in making decisions while framing the curriculum and syllabus for UG and PG.

6. Heal in India: Meetings of stakeholders are conducted to make them aware of this exceptional initiative, establishing and networking ASUS medical infrastructure and facilities, Ayushman Bharat Digital Mission, Scope of Medical Value travel, country's expectations, Ayush VISA etc. A simultaneous questionnaire has been shared with them to get feedback. Their suggestions will be beneficial for NCISM to conduct the meetings in the future very effectively.

7.360-degree feedback: NCISM is going to implement a 360-degree feedback mechanism to get feedback from all stakeholders in medical institutions to frame strategies in the context of improvising the teaching/learning echo-system.

III. Teachers Quality Improvement Activities:

1. Orientation for Post-Graduate Guides: To provide orientation for PG guides at ASU colleges on publication ethics, research integrity, and scientific writing, 60 master trainers have been trained.

2. Medical Education Technology: 2700 teachers in Ayurveda, Siddha, Unani and Sowa-Rigpa teaching institutions have already been trained on Medical Education Technology.

3. Faculty Development and Training Program: Once in three years every teaching faculty of ASUS colleges has to undergo Medical Education Technology (MET) program or Quality Input Programme (QIP) conducted by NCISM.

4. National Teachers Eligibility Test: is in the pipeline

5. Articles for Teachers: Each teacher is communicated with by mail with an article on teaching technology on the first Friday and a research article on the third Friday of every month to get updated knowledge in the area of education technology and research.

IV. Training of stakeholders (Non-Teaching staff and Hospital staff):

NCISM is aiming to educate or train all non-teaching and hospital staff of each ASUS medical institution by NCISM through HRDC division of the concerned institute.

V. Use of Technology:

- 1. QR code embedded syllabus:** uploaded on NCISM site for the first professional undergraduate program.
- 2. Elective courses through LMS** (Learning Management System)
- 3. E-logbook for interns is introduced.**
- 4. Teaching aids for non-lecture hours: Advanced teaching methods including simulators, skill lab training, blended learning, flipped class room etc. are prescribed to make activity-based teaching and learning in non-lecture hours more effective.**

THE NATIONAL COMMISSION FOR HOMOEOPATHY, NEW DELHI (NCH)

- NCH has developed competency based dynamic curriculum for UG course for quality education.
- Homoeopathy Graduate Degree Course B.H.M.S. Regulation 2022 (notified vide Gazette notification dated 07.12.2023) has various new initiatives like early clinical exposure, introduction of electives, faculty development programme, foundation programme, finishing programme at end of internship, inclusion of new subjects like pharmacology, psychology and yoga.
- NCH has envisioned raising competencies and skills of teaching faculties in alignment with modern understanding with a regular update vis-à-vis technological advancement.
- NCH has drawn standards for education and practice of Homoeopathy and regulates the same for promoting quality education in Homoeopathic system of medicine. (Source NCISM and NCH)

**Fund released in FY 2021-22 under Research and Innovation in Ayush under
AYURGYAN Scheme**

Sl. No.	Name of PI and Institution	Title of the project	Stream	Amount (Rs.)	Installment
1	Dr. B. Dinesh Kumar, Scientist 'G' & Coordinator - PCT, Head Drug Toxicology Division, National Institute of Nutrition, Hyderabad	Pre-Clinical efficacy (immune modulatory) and salary (Regulatory Toxicology) evaluation of Ayush formulation 'AyushKwath	Ayurveda	1058340	2nd
2	Dr. Abhay Narayan Kulkarni, Professor and Head, Department of Rasashastra Bhaishajya Kalpana, AYURVED SEVA SANGH (AyurvedSevaSangh's Ayurved Mahavidyalaya), Ganeshwadi, Panchavati, Nashik-422003, Maharashtra	Prospective parallel group open label study to assess the changes in clinic-pathological variables in patients of Diabetic Nephropathy stage III receiving Ayurvedic Treatment Regimen (ATR) versus those not receiving Ayurvedic Treatment Regimen (ATR)	Ayurveda	423400	3rd
3	Dr. Shishir Purushottam Pande, Professor and Head, Department of Rasashastra Bhaishajya Kalpana, AYURVED SEVA SANGH (AyurvedSevaSangh's Ayurved Mahavidyalaya), Ganeshwadi, Panchavati, Nashik-422003 Maharashtra	A Randomized Open Label Controlled Prospective Phase II Clinical Study of Haridra Churna on Glycemic control in Pre-diabetic subjects	Ayurveda	577008	3rd
4	Dr. M. Rasool, Professor, SMV 240, Immunopathology Lab, School of BioSciences and Technology, Vellore Institute of Technology, Vellore-632014	Exploring the therapeutic mechanism of Majoon chobchini, a unani medicine in the management of rheumatoid arthritis (Waja-ul-mafasil)-an immunological investigation	Unani	739664	3rd
5	Dr. P.N. Ravindra, Associate Professor, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore-560029	Role of Yoga during antenatal period among gestational diabetic and its outcomes in a primary health care setting	Yoga & Naturoapthy	1035000	2nd

Sl. No.	Name of PI and Institution	Title of the project	Stream	Amount (Rs.)	Installment
6	Dr. Dinesh KS, Associate Professor and HoD, Department of Kaumarabhritya, Kerala Ayurvedic Studies and Research Society (KASRAS), Malappuram, Kerala	A Randomized Controlled Trial to assess the efficacy of Gut Therapy (Koshta Chikitsa) for managing Dysbiosis in children with Autism	Ayurveda	2245600	2nd
7	Dr. S. Poongothai, Senior Scientist & Head-Clinical Trials Operations, Madras Diabetes Research Foundation, No. 4, Conran Smith Road, Gopalapuram, Chennai-600086	The impact of Yoga intervention on physical and mental health of adults with Type-2 Diabetes	Yoga & Naturoapthy	1081600	3rd
8	Dr. G. G. Gangadharan, Director, M. S. Ramaiah Indic Centre for Ayurveda and Integrative Medicine (MSR-ICAIM), Gokula Education Foundation (Medical), Bengaluru	Clinical Evaluation of Ayurveda based Integrative Management of Diabetic Retinopathy	Ayurveda	1416800	2nd
9	Dr. Ruchika Kaul-Ghanekar, Associate Professor and Head, Cancer Research Lab, Interactive Research School for Health Affairs, Bharati Vidyapeeth Deemed University, Pune-Satara Road, Pune	Evaluating the anticancer activity and mechanism of action of Unani formulation Habbe Musaffi Khoon against cervical cancer	Unani	805200	3rd
10	Dr. Jagriti Bhatia, Professor, Department of Pharmacology, All India Institute of Medical Sciences (AIIMS), New Delhi-110029	Pharmacological and Molecular Approaches to investigate the effect of Adhatodavasica in experimental models of Bleomycin induced Pulmonary Fibrosis	Unani	1110400	additional fund for the extended period
11	Dr. Gautam Sharma, Professor In-charge, Centre for Integrative Medicine & Research (CIMR), Professor, Department of Cardiology, All India Institute of Medical Sciences, New Delhi-110029	Effect of Yoga on Clinical Outcomes and Quality of Life in patients with Vasovagal Syncope: A Randomized Control Trial	Yoga & Naturoapthy	569176	3rd
12	Dr. M. R. Srinivasan, MVSc. Diplomate, American Board of Toxicology(DABT), Asst. Professor, Dept. Of Veterinary Pharmacology and Toxicology, Madras Veterinary College, Tamil Nadu Veterinary and Animal Sciences University, Chennai 600007	Validation of the Pharmacological Efficacy of Nandhi Mezhugu, pre-treatment with Kummati Mezhugu in Preclinical Models of anovulation and its application in Veterinary Medicine for Ovulatory Disorder in Cattle	Siddha	970800	3rd

Sl. No.	Name of PI and Institution	Title of the project	Stream	Amount (Rs.)	Installment
13	Dr. Arpita Rai, Associate Professor, Oral Medicine & Radiology, Dental Institute, Rajendra Institute of Medical Sciences, Ranchi, Jharkhand - 834009	Comparison of Unani formulations Zuroor-e-Qula and Jawarish Amla sada with allopathic antioxidants in management of patients with early-intermediate stage oral submucous fibrosis	Unani	1425000	2nd
14	Dr. Sujatha Law, Assistant Professor Medical Biotechnology, Department of Biochemistry and Medical Biotechnology, Calcutta School of Tropical Medicine, 108, C R Avenue, Kolkata – 700073	An experimental approach towards Bone marrow and microenvironment in Leukemia by using Ashwagandha (Withania somifera) and Bhringaraj (Eclipta alba): Two candidate inhibitors of Hedgehog and NF-kB pathways	Ayurveda	492720	remaining and withheld amount
15	Dr. Padmaja Marathe, MD Professor (Additional), Department of Pharmacology and Therapeutics, Seth GS Medical College & KEM Hospital, Parel, Mumbai	Evaluation of Role of Withania somnifera and Celastras paniculatus in Animal Models of Alcohol Addiction	Ayurveda	725000	remaining and withheld amount
16	Dr Supriya Bhalerao, Associate professor, Obesity-Diabetes lab, Interactive Research School for Health Affairs (IRSHA), Bharti Vidyapeeth Deemed University, Pune-Satara Road, Pune 411043	Evaluation of the effect of Triphala and Trimad for their effect on adipocyte biology and lipid metabolism	Ayurveda	566400	remaining and withheld amount
17	Dr. Ghazala Mulla, HOD, Deptt. of Physiology, MMERC's ZVM Unani Medical College & Hospital, K B Hidayatullah Road, New Modikhana Azam Campus, 2390, Shankar Sheth Rd, Pune, Maharashtra	Classification of human population based on HLA gene polymorphism and concept of Mizaj (Temperament) in Unani System of Medicine	Unani	305600	withheld amount
18	Dr. G.R. Mohan, Andhra Pradesh Homoeopathic Association Multi-Specialty Clinic, 3 -6-369, A/1, Street Number 1, Gagan Mahal, Domalguda, Himayatnagar, Hyderabad, Telangana 500029	A study of depressive disorders in Hyderabad urban population with a Homoeopathic approach	Homoeopathy	186000	withheld amount
19	Dr. Yogesh Kulkarni, SVKM'S Narsee Monjee Institute Of Management Studies (NMIMS), Vile Parle, Mumbai-400056	Preclinical Studies on Triphala for its Possible Effects in Treatment of Microvascular	Ayurveda	366478	withheld amount

Sl. No.	Name of PI and Institution	Title of the project	Stream	Amount (Rs.)	Installment
		Complications of Diabetes			
20	Dr. Dhruva Chakraborty, Society for Welfare of the Handicapped persons, 27 Tagore Avenue, Durgapur-713204, West Bengal	Studies on the efficacy of a Homoeopathic medicine in the treatment of osteomyelitis in neuropathic feet in leprosy	Homoeopathy	1182240	3rd
21	Dr. Kiran Sanjay Bhise, Principal, MCE Society's Allana College of Pharmacy, 2390 / B - K. B. Hidayatullah Road, New Modikhana, Azam Campus, Camp, Pune	Unani anti-psoriatic topical nano-particulate drug delivery systems	Unani	359844	remaining amount
Total				17642270	

Fund released to under Research and Innovation in AYUSH component in 2022-23

Sl. No.	Name and address of the PI and Name and address of Institution	Title of the project	Instalment release (In Rs.)	Instalment
1	Dr. R. Suresh Kumar, Scientist-E, Molecular Genetics Lab, National Institute of Cancer Prevention and Research Institute of Cytology and Prevention Oncology, I-7m Sector-39, Noida -201301, U.P	Molecular evaluation of Anticancer and Antiviral properties of Thuja Occidentalis	946400	3rd
2	Dr. Sujatha Sunil, International Centre for Genetic Engineering and Biotechnology, ArunaAsaf Ali Marg, New Delhi-110067	In vitro and in vivo evaluation of therapeutic potential of various drugs upon Chikungunya virus infection	485700	remaining and withheld
3	Dr. M. Prasad, Principal, Astamgam Ayurveda Chikitsalayam & Vidyapeedham, Palakkad, Kerala-679533	Effect of Classical Ayurvedic management in PCOS	605000	2nd instalment
4	Dr. Sujatha Sunil, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi-110067	Comparative and combined efficacy evaluation of extracts of Nilavembukudineer and vathasurakudineer	2058198	1st
5	Dr. R. Rukkumani, Assistant Professor, Department of Biochemistry & Molecular Biology, School of Life Sciences, Pondicherry University, Kalapet, Puducherry- 605014	A Comprehensive Evaluation of the anticancer Efficacy and Safety of Hydrastiscanadensis Homeopathic sample	858200	2nd instalment

Sl. No.	Name and address of the PI and Name and address of Institution	Title of the project	Instalment release (In Rs.)	Instalment
6.	Dr. Rashmi S Tupe, Symbiosis School of Biomedical Science, Symbiosis International (Deemed University) Pune-412115, Maharashtra.	“Investigation of molecular mechanisms in anti-glycation activity of Syzygium jambolanum homeopathic preparations in diabetic nephropathy”	1398520	
7	Dr. Gayathri Gunalan, Research Officer (Bio-Chemistry), Siddha Regional Research Institute, Puducherry - 605 013	Ameliorative Potential of AavaraiVithaadhiChooranam in Streptozotiocin induced Diabetic retinopathy	1521400	2nd instalment
8	Dr. R. N. Acharya, HoD, Dept. of Dravyaguna, (Former Director), ITRA, Gujarat Ayurved University, Jamnagar (Gujarat)	Experimental and clinical studies on Nagapheni (Opuntiaelator Mill.) an anuktadravya (extra-pharmacological drug), with special reference to its Haematinic activity	515560	remaining and withheld
9	Dr. S. Indu Kumari, Senior Scientist, CSIR-Indian Institute of Chemical Technology, Tarnka, Hyderabad (Telangana)-500007	Toxicity evaluation of Ayurvedicherbo-metallic preparations	997180	remaining and withheld
10	Dr. Vineet Ahuja, Professor, Department of Gastroenterology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi -110029	The effect of structured yoga practices on the quality of life and clinical outcomes in patients with ulcerative colitis	2164263	1st instalment
11	Dr. PreethamPai, Associate Professor, Dept. of Kaumarabhritya, Bharti Vidyapeeth Deemed Unviersity, Dhankawadi, Pune (Maharashtra)	Effect of oral administration of Kalyankaghritam in pediatric spastic cerebral palsy	909400	2nd instalment
12	Dr. Tarique Mahmood, Faculty of Pharmacy, Islamic Council For Productive Education (Integral University), Dasauli, Kursi Road, Lucknow-226026	Comparative study of nanoformulation of KhamiraAbresham Hakim Arshadwala with its traditional formulation against myocardial necrosis and associated ailments	867816	remaining and withheld
13	Dr. Zeeshan Fatima, Assistant Professor, Amity Institute of Bio Technology, Amity University, Haryana, Gurgaon (Manesar)	Evaluation of anti-mycobacterial potential of Unani drugs Qurs-e-SartanKafoori and Sharbat-e-Ejaz-A Mechanistic Approach	957994	remaining and withheld
14	Dr. P. Manickam, Scientist E (Epidemiology); Head of Division of Online Courses, ICMR-National Institute of Epidemiology TNHB, R127, Ayappakkam, Chennai, Tamil Nadu - 600 077, India	Health system preparedness of Siddha system of medicine in Non-Communicable Diseases (NCDs), Tamil Nadu: Current status, stakeholder perspectives and cost analysis	1878280	1st instalment

Sl. No.	Name and address of the PI and Name and address of Institution	Title of the project	Instalment release (In Rs.)	Instalment
15	Dr. Amal KantiBera, Professor, Bhupat and Jyoti Mehta School of Biosciences, Indian Institute of Technology Madras, Chennai-600036	Effect of ghee from indigenous cow milk on cognition and neuro-protection against Alzheimer's disease	4149000	1st instalment
16	Dr. Geetha Desai, Additional Professor, National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore-560029	A study of Therapeutic effect of Yoga based intervention in patients with somatoform pain disorders	840154	remaining, withheld amount and arrears (additional grant)
17	Ashwini Godbole, Senior Assistant Professor, Institute of Transdisciplinary Health Sciences & Technology, Bangalore-560064 (Karnataka)	Effect of Ayurveda Nootropics on Cognitive Function in breast cancer patients on adjuvant chemotherapy: A randomized controlled trial	189000	arrear (additional grant) for SRF
18	Dr. S. InduKumari, Senior Scientist, CSIR-Indian Institute of Chemical Technology, Tarnka, Hyderabad (Telangana)-500007	Toxicity evaluation of Ayurvedicherbo-metallic preparations	646530	arrear (additional grant) for RA (II)
19	Dr. Zabeer Ahmed (Principal Investigator), CSIR-Indian Institute of Integrative Medicine Jammu -180001 (J&K)	Isolation, Pharmacopeial standardization and immunomodulatory activity in Unani drug Habb-e-Suranjan and Habb-e-Asgandh	1382353	3rd instalment
Total			23370948	