

# **REGIONAL RESEARCH INSTITUTE OF UNANI MEDICINE**

## **(NABH, NABL Accredited)**

**Naseembagh Campus, HabakChowk; University of Kashmir, Srinagar; Jammu & Kashmir**



Unani medicine has a long and esteem history in our country. The Kashmir valley has been home to various traditional systems of medicine since time immemorial. The Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH, Government of India has since its establishment played a key role in the development of scientific research in Unani Medicine in the territory of Jammu and Kashmir. In August 1979, the Council established a Survey Medicinal Plant Unit (SMPU) and a Drug Standardisation Research Unit (DSRU) in the beautiful campus of University of Kashmir and in May 1983, a clinical Research Unit (CRU) was started. In 1985, the Council amalgamated these three units and established the Regional Research Institute of Unani Medicine (RRIUM), Srinagar. In the same year, a mobile wing was attached to the clinical Research Unit (CRU). Later in 1995, a toxicological unit was also started at the institute. Regional Research Institute of Unani Medicine (RRIUM), Srinagar is a peripheral institute of the Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH, Government of India and fully financed by Government of India.

The realisation of the importance of RRIUM, Srinagar, the university of Kashmir allotted 13 kanals land in the Naseembagh campus for the building of the institute. The Government of India provided an additional fund of Rs. 4.87 crore for the construction of the institutes building. A full-fledged new building of RRIUM, Srinagar was Inaugurated by Dr.AnbumaniRamados, the then Honourable Minister of Health and Family Welfare Government of India and Shri Ghulam Nabi Azad, Honorable Chief Minister of Jammu and Kashmir on 3<sup>rd</sup> July 2007. The building houses a General Out-Patient Department (GOPD), Research Out-Patient Department (ROPD), In-Patient Department (IPD) 40 bed well equipped hospital, Geriatric Out-Patient Department (Gr. OPD) Maternal & child health Department (MCH) and Regimental therapy. A part from that well established laboratory facilities including Biochemisty, pathology, Microbiology and Radiology units are available. To cater the drug needs of the institute a pharmacy is also functioning. The institute is fully computerised. RRIUM provides healthcare services to the community and offers a range of facilities

The institute has well established Survey Medicinal Plant Unit (SMPU) and have collected a good number of medicinal plants. A successful herbal garden is also in the institutes premises. The institute's efforts to collect medicinal plants and develop pharmacopeial standards have helped establish the effectiveness of the Unani system of medicine.

The institute has well equipped laboratories for Drug Standardisation Research program and are engaged in physicochemical standards for single and compound Unani drugs. Studies on toxicological and clinical evaluation of some important Unani drugs are also being carried out.

University of Kashmir has recognized the Institute as a centre for taking up research studies in the areas of Unani Medicine and allied sciences such as Chemistry, Biochemistry, Botany, Centre of Research & Development and Pharmacy leading to the award of M.Phil and Ph.D. degrees. In recent years the institute has also developed academic collaborations with reputed Universities. scientific Institutions and Hospitals having research mandate in Clinical Research and other related areas. Over the years, the Institute has emerged as the leading Research institution of Unani Medicine in the State of Jammu& Kashmir. The institute is also engaged in the collaborative research programs and have MoU with other institutes and Universities of the valley like University of Kashmir, Sheri Kashmir University of Science

&Technology (SKUAST), Islamic University of Science & Technology (IUST) GMC, Srinagar etc.

In the year, 2016 the University of Kashmir has granted affiliation to RRIUM, Srinagar for running Post-Graduate courses in Unani Medicine with intake capacity of 9 seats each in M.D *Moalijat* and M.D *IlmulAdvia*. The well-equipped laboratory and stocked library make it an ideal place for students, researchers, and practitioners to learn and improve their knowledge of Unani medicine.

The institute has staff strength of 81, which include 36 regular, 43 contractual and the rest are out sourcing staff. The institute has developed over the years a sound research infrastructure and has obtained significant lead in the field of pre-clinical, clinical research, drug standardization research, safety evaluation of Unani drugs, survey and cultivation of medicinal plants and molecular & biological studies. During the last 4 decades of its existence, the institute has developed into a leading institution in northern part of India in its research activities and earned national fame for the successful treatment of various diseases like *Zéq- un-Nafas* (Bronchial Asthma), *Bars* (Vitiligo) and *Dä'us-sadaf* (Psoriasis), *Waja' ul-Mafäsil* (Rheumatoid Arthritis), *Kasrat-e- ratoobat –e-Hamozi* (Non - Ulcer *Zaghat-al-Dam QawéLäzimé* (Essential Hypertension), *Hisat -ul-Kulya* (Nephrolithiasis), *Jarab* (Scabies), , *Khafqan* (Palpitation) and *Nazla-e-Muzmin* (Chronic Rhinosinusitis).

The institute is also engaged to review the different types of Regimental Therapy in different types of diseases. Health care coverage to rural areas and urban slums is provided under Mobile Clinical Research Programme.

Along with twelve Institutes of CCRUM, all over the country in the year 2016, *SwasthyaRakshan / Parikshan Programme* (SRPP) was started at the institute. It also aims to create health awareness through health education and distribution of IEC material in local languages for better outreach and compliance.

## VISION

❖ The vision is to develop RRIUM, Srinagar into Centre of Excellence for Research, Education and Patient Care in Unani System of Medicine. To promote

Unani system of medicine a scientific based for global acceptance. Through research, the institute envisages to find solutions to health problems of our country by providing quality healthcare and cost effective treatment.

### **MISSION**

- ❖ To develop RRIUM-Srinagar into a centre of excellence for Research and patient care in Unani Medicine in order to provide practical solutions to the health issues of the country for a healthy India.
- ❖ To conduct, implement, and promote quality Unani medical research on scientific lines for the larger benefit of the Society.
- ❖ To provide safe, efficacious and cost-effective health care solutions through Unani Medicines.

### **OBJECTIVES**

- Research and propagation of Unani Medical knowledge and experimental measures in connection with the causation, mode of spread and prevention of disease.
- To impart postgraduate education in Unani Medicine with aim to produce quality researchers and teachers of Unani Medicine
- To focus on general health needs with the aim of providing quality health care.
- To conduct public outreach programs for propagation of Unani system of medicine like mobile health camps, school health camps, public awareness about Unani system of medicine and information about medicinal plants.
- To collaborate with other reputed institutions for the promotion of research in Unani medicine
- To undertake research in the field of standardization of Unani drugs and for their development and manufacturing.
- To undertake ethno-botanical survey of forest divisions to explore medicinal plants for successful cultivation of rare, valuable and important medicinal plants in general and particularly those which are used in Unani system of medicine

### **Major Mandate of the Institute:**

- Research to create evidence/scientific based data to promote and develop Unani system of medicine.
- To impart education at higher level i.e Post Graduation (MD) in Unani Medicine

### **Vision 2047 of the Institute**

- The vision 2047 for RRIUM Srinagar is to elevate the standard of the institute to a Global Level and make it a world renowned institute of Unani Medical Education and Research.

- **Global Recognition:** The institute will commit itself to transform the institute into a Centre of Excellence in Unani Medical Education, Research, and Healthcare Delivery, in order to recognize it as a comprehensive system of medicine, integrated with modern healthcare, and accessible to all, while preserving its traditional heritage and promoting sustainable practices. It is proposed to develop an International Medical tourism wellness Centre at RRIUM Srinagar by 2047.
- **Research and Innovation:** The institute is bound to conduct quality research in Unani Medicine for documentation of safety and efficacy of Unani pharmacopoeial drugs and new drug development for emerging diseases of national importance, and to collaborate with National and International Institutions of Scientific repute to validate Unani treatments and develop innovative therapies. Bioprospecting of potential medicinal plants in the folk flora of Himalayas to develop commercially pharmaceutical products
- **Education and Training:** To offer comprehensive MD and PhD Unani Medical education and training programs, catering to students, healthcare professionals, and researchers.
- **Integrated Healthcare:** To train healthcare professionals and promote interdisciplinary collaboration, in order to integrate Unani Medicine into mainstream healthcare

## INFRASTRUCTURE

RRIUM, Srinagar conducts 6 OPDs as General OPD (communicable and non-communicable diseases), Maternity & Child Health OPD, Research OPD, Geriatric OPD, Special OPD, & Centre of Excellence OPD in 5 rooms in ground floor. The OPD area constitutes also registration room and dispensary. The In-patient department (IPD) of the institute has 40 bedded hospital in the first floor and has well equipped IlājBi'lTadbīr (Regimenal Therapy) Unit which is being upgraded under CoE project. The institute has 5 lecture rooms for MD Programme and is supported by clinical and pre-clinical labs. Clinical Laboratories of the institute consists of NABL certified Bio-Chemistry Laboratory, Pathology Laboratory includes patient blood collection area & Radiology section comprises of X-ray plant and ECG in the ground floor. The institute has molecular biology laboratory in the ground floor. The institute has

Pre-clinical section comprises of animal housing facility, Histopathology lab and Pharmacology lab in the ground and first floor.

Drug Standardization Research Unit of RRIUM, Srinagar comprises of Phytochemistry and Pharmacognosy laboratory in the first floor.



Survey of medicinal plants Unit of RRIUM, Srinagar comprise of Taxonomy lab, Herbarium, Museum in the ground floor and has also Herbal Garden and Medicinal plant nursery in the premises.

The institute has Library with good collection of classical books related to Unani system of medicine in the second floor. The institute has auditorium with 50 seats capacity in the first floor. The office of RRIUM, Srinagar comprises of establishment and accounts in the second floor. The institute has center store located in the ground floor. The canteen of the institute is located in the ground floor. The institute has dedicated central Heating system as a separate block in the premises. The Institute comprising of the following departments / Sections

- ❖ General Out-patient department
- ❖ In-patient department (40 bedded)
- ❖ Bio-Chemistry section
- ❖ Pathology section
- ❖ Mobile clinical research unit (SCSP)
- ❖ 'IlājBi'lTadbīr (Regimenal Therapy) Unit
- ❖ Pharmacovigilance centre
- ❖ Chemistry department (Drug Standardization)
- ❖ Pre clinical unit
- ❖ Botany department (Survey of medicinal plants)
- ❖ Microbiology lab
- ❖ Radiology section
- ❖ Biostatistics section
- ❖ Library
- ❖ Dispensing pharmacy
- ❖ Administrative section

## **POSTGRADUATE PROGRAMME**

### **Launching of M. D. (Unani) program:**

The Regional research institute of Unani medicine has started M.D. Unani courses in two disciplines; Moalijat (Medicine) and IlmulAdvia (Pharmacology) with the affiliation of University of Kashmir, at RRIUM, Srinagar from 2016. The programme was formally launched by Dr.Jitendra Singh(Hon'ble Minister of State (IC) for the development of NER, PMO, personnel, PG and pensions, DAE and DoS, Govt.of India and presided by Shri Shripad Yesso Naik(Hon'ble Minister of State (IC),Ministry of AYUSH, Govt.of India) in the august presence of Shri Bali Bhagat (Hon'ble Minister of Health and Medical education Govt of J & K), Ms. AsiaNaqash (Hon'ble Minister of state for Health and Medical education, Housing and Urban development, Social welfare, Govt of J&K and Prof.Khursheed Iqbal Andrabi, Vice Chancellor, University of Kashmir on 17<sup>th</sup> April 2018.

The Institute offers post graduate courses in two disciplines; *Moalajat* (Medicine), *IlmulAdvia* (Pharmacology) in the year 2016 with an intake capacity of 7 seats each.

### **Department of Moalajat:-**

Department of Moalajat is one of the first established departments of this institute functioning since 2016. Moalajat is like to General Medicine in contemporary medicine; it is the essential specialty of Unani Medicine, with which the glamour of system lies, as it deals with patient care with holistic approach. The Moalajat specialty focuses on understanding the health and diseases of the human body with reference to the theories and concepts of Unani system of Medicine and management of all such ailments with its principles of treatment either by *IlajBilDawa* / and *Ilaj Bit Tadbeer* /and *IlajbilGhiza*

### **Department has set following objectives to execute at Post Graduate level**

- **Teaching** - sustaining the concepts and theories of Unani System of Medicine and understanding, interpreting and analyzing all such concepts with conventional sciences.
- **Training** - the main emphasis of training is on patient care. It focuses on the adoptability of all skilled techniques and procedures described in Unani literature and also the methods and procedures of conventional sciences for diagnosing and treatment.
- **Research** – focuses to provide evidence on the treatments mentioned in Unani literature including pharmacopeia, and validation of all such evidence based observations in an integrated manner with the help of conventional tools.





Photographs of launching of M.D. (Unani) Programme

Scholars awarded with MD degree in Unani medicine

Batch 2016-17		
Name of the Scholars	Title of the study	
<b>Dr.Arsheed Iqbal</b>	A Comparative Clinical Study on the Effects of Hijama – Bil - Shart (Wet Cupping) & Tablet Acelofenac in Knee Osteoarthritis (Waja- ur- Rukbah)	
<b>Dr.Haider Ali Quraishi</b>	Clinical Study to Compare Safety & Efficacy of Unani Formulation with Metformin in Patients with ZiyabeetusShakri (Diabetes Mellitus- Type 2)- A Randomized Open Clinical Study	
<b>Dr. Syed Sabahat</b>	Therapeutic Efficacy and Safety of Unani formulation in patients of Fasad-e- Tashamun – e- Dam (Dyslipidemia)- A Randomized Single Blind Controlled Clinical Study	
<b>Dr.Ruqayaqayyum</b>	Clinical Study to Compare Safety and Efficacy of Kalawnji (Nigella Sativa Linn) with Metformin in patients with Marz – e – AkyasKhusyaturRehm (Polycystic Ovarian Syndrome) - Open Randomized Controlled Clinical Study	
<b>Dr.Shabir Ahmed</b>	Clinical study of Sala'aGhudda – e – Mazi (Benign Prostate hyperplasia) with Therapeutic Evaluation of Habb-e-Muqil in its management	
<b>Dr.Asma Afzal Siddiqui (On</b>	To Evaluate the Safety and Efficacy of HijamahBisShurt (wet cupping) in the management of Niqras (Gout)	



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Batch 2017-18	
Name of the Scholar	Title of the study
Dr.GousiaMehraj	Clinical Study of ButhūrLabaniyya (Acne Vulgaris) With Therapeutic Evaluation of Topical Unani Drug, Shoniz (Nigella Sativa) and Sirka (Vinegar) in its Management”
Dr. Tariq Rahi	Clinical Study of Taqashshur al- jild (Psoriasis) with Therapeutic evaluation of Unani drug Aftimoon (Cuscutareflexa) with ma’uljubn (whey) as joshanda (decoction) and magztukhmekharpaza (seed kernal of musk melon) along with gulebaboona (Matricariachamomilia) as Zimad (paste) in its management against standard control Betamethasone valeretae topically
Dr.MohdTauseefAlam	“A clinical study of the effects of Unani formulation (Joshānda) with reference to the Standard control in the management of IltihābTajāwīf al-Anf Muzmin (Chronic Sinusitis)”
Dr. Abdul Aziz	A Comparative clinical study of the effects of Hijamabilshart (wet (cupping) and HijamabilNaar ( Fire Cupping) In Irq al-Nasa (Sciatica)
Dr Mohammad Danish	Therapeutic evaluation of Badranjboya (Mellisaofficinalis) in FasadeTashahhum Fid Dam (Dyslipidemia) in comparison to Atorvastatin.
Dr Farazuddin khan	Therapeutic Evaluation of effects of HijamaBi’lShart in the Management of Daghtal-dam Qawilbtadai (Primary Hypertension) in Comparison with Amlodipine
Dr Jameel Ahmed	Clinical Study to Compare Safety & Efficacy of Unani Formulation , Ushq (Doremaammoniacum) and Sirka (Vinegar) With Terbinafine in Patients of Quba { Dermatophytosis, Ring worm }

Batch 2018-19	
Name of Scholars	Title of the study
Dr. Meer IdreesHanief	Clinical Study to evaluate the safety and efficacy of Bozidan( Pyrethrum Indicum) in the management of primary knee osteoarthritis.”
Dr.ZarfahFida	“Clinical study to evaluate the safety and efficacy of Joshandaof Paresiavashan(AdianatumCapillusVeneris) in the management of HisateKuliya (Nephrolithiasis)”
Dr.Tabasum Fatima	“Clinical study to evaluate the safety and efficacy of Oral JoshandaAftimoon(CusctaReflexa) and Topical Qust(SaussereaLappa) and honey in the management of Kalaf(Melesma)”

Dr. Josee Amin	“Clinical study to evaluate safety and efficacy of Bozidan(TanacetumUmbelliferum) in comparison with Febexustate in patients with Nigras(Gout)
Dr. Nazmeen	“Clinical study of Siman e Mufrat (Obesity) and comparative evaluation of Unani formulation Zeera, Ajwain, TukhmeSudab with safoofDaarchini in its management
Dr. Safia Husain	“Clinical study of cervical spondylosis with therapeutic evaluation of HabbeWajaulMafasil in its management”
Dr. Fouzia Farooq	“Clinical study of Non alcoholic fatty liver disease with evaluation of Darchini(Cinnamon Zylenicum) in its management”

Batch 2019-20	
Name of the Scholars	Title of the study
Dr. Asma Mushtaq	Clinical Evaluation of the safety and efficacy of Safoof-e-Ziabetes – A Poly-Herbal Unani Formulation in the Management of DhayabitusShakri (Type 2 Diabetes Mellitus)- A Randomized, Single blind, Standard Controlled Trial.
Dr. Nida Mehraj	Evaluating the therapeutic safety and efficacy of Habb-e-Ghafis in Non-alcoholic fatty liver disease, a randomized, single blind, standard controlled trial
Dr. Rameesa Rashid	Clinical Study of hasah al-kulya (Nephrolithiasis) and Evaluation of safety and Therapeutic Efficacy of Unani Compound Formulation in its management.
Dr. Atiba Jan	Clinical Study of Waja-al-Mafasil (Rheumatoid Arthritis) with safety and Therapeutic Efficacy Evaluation of Unani compound Formulation in its management
Dr. Uzma Rehmaan	To Evaluate the Therapeutic safety and efficacy of HABB-E-ASGAND in the management of Waja-ul-Mufasil (Rheumatoid arthritis). A Randomised, Single blind, Standard controlled trial.
Dr. Nahida Rashid	Evaluating the therapeutic safety and efficacy of Habb-e-asgandh in Diabetic Peripheral Neuropathy, A Randomized, Single blind, Standard Control study.
Dr. Saima Majeed	Therapeutic Evaluation of the Safety and Efficacy of a Polyherbal Unani Formulation in the Management of Nigris (Gouty Arthritis).

Batch 2020-21	
Name of the Scholars	Title of the study

Dr.MehvishMehraj	Evaluating the therapeutic effects of a Unani formulation of Lattukh (smear) in the management of ButhūrLabaniyya (Acne Vulgaris): A single blind, randomised, standard control study
Dr.FauziaAzmi	A study evaluating the therapeutic effects of JoshandaAftimoon (Decoction of CuscutareflexaRoxb.) in the management of Izterāb-i-NafsaniUmoomi (Generalised Anxiety Disorder): A single blind Randomized study with standard control.
Dr.AnjumRasool	To Evaluate the safety and efficacy of Topical Unani Formulation in the management of Eczema (Nār-Fārsī) A single blind randomized study with standard control
Dr.Arshia Noor	Study of Sayalan Al-Rahim (Leucorrhoea) with therapeutic evaluation of Unani formulation in its management: A Single blind, randomized Standard control study
Dr.ArshiAqeel	A Clinical Evaluation of HabbeGuleAakh in the management of wajaulZaahe (low backache). A randomised single blind standard control study
Dr.Aaqib Ashraf	Clinical Study on Non-alcoholic fatty liver disease with therapeutic evaluation of safūf-e-Zaranbad (curcuma ZadoariaRosc.) in its management: A Randomised, single blind, standard control study.
Dr.MehboobAlam	Study of Irq-al-Nasā (Sciatica) with Therapeutic Evaluation of Safūf-e-Chobchini in its management
Dr. Sana Mobin	A Study to Evaluate the Safety and Efficacy of Habb-e- Mujarrab in the Management of Migraine (Shaqiqā) without Aura: A Randomised single blind with Standard control study

Batch 2021-22	
Name of the Scholar	Title of the Study
Dr.Abhar Qureshi	A Clinical Study to Evaluatethe Safety and Therapeutic Efficacy of Safūf-e-Chobchini in the Management of Waja'al-Mafāsil (Rheumatoid Arthritis) ; A Block Randomised, Open label Standard Control Study
Dr. RifatAra	A Clinical Study to Evaluatethe Safety and Therapeutic Efficacy of Safūf-e-Chobchini in the Management of Waja'al-Mafāsil (Rheumatoid Arthritis) ; A Block Randomised, Open label Standard Control Study
Dr.AndleebRazaq.	Clinical study to evaluate the therapeutic safety and efficacy of Habb-e-Mafasil in the management of Waja'al- Rukba (Primary Knee Osteoarthritis): An open label block randomized standard control study
Dr. Mohammad Abbas	Evaluating the therapeutic effects of Safūf-e-Talmakhana in the management of Qillat-e-Haiwain-e-Manviya (Oligospermia):A

Raza	randomised, open-label study with standard control
Dr. Faheem Akhtar	A Clinical Study Of Kalaf (Melasma) With Therapeutic Evaluation Of Tila Tukhm-e Jarjir (Eruca Sativalinn.) And Tukhm-e-Turb (Raphanussativusvar.Longipinnatus) in its Management ; A Block Randomised, Open label, Standard Control Study.
Dr.Jaweriya Mushtaq	Clinical study of Irq al-Nasa (Sciatica) with therapeutic evaluation of Hijamabilshart (wet cupping) in its management: An open-label block randomized, standard controlled clinical trial.

Batch 2022-23	
Name of Scholars	Title of Study
Mehwish Ayoub	Clinical study to evaluate the therapeutic efficacy of a Unani formulation of Dīmād (paste) in the management of kalaf (Melasma); a randomized, parallel group, open label standard control study
Syed Farhanda	Evaluating the therapeutic efficacy of Safūf-e- Masikul bawl in the Management of Salas-al-Bawl (Stress urinary incontinence) A Randomized, parallel group, open label, Standard Control Study
Shugufta Hameed	Clinical study to evaluate the therapeutic effect of Qurs-Kafūr in the management of Type -2 Diabetes mellitus (DhayābītusHār); A Randomized,singleBlind,Standard Control study
Farhaan Yaqoob	Clinical study to validate the safety and efficacy of Polyherbal Unani formulation in the management of BPH”: An open labelled, randomized, standard control study
Tooba Bilal	Clinical study to evaluate the therapeutic efficacy of SufufZirishik in the management of IshalDimagi(Diarhoea dominant Irritable bowel syndrome):An open label,blockrandomized,standard controlled study
Sahiba	Clinical study to evaluate the therapeutic efficacy of Unani formulation in the Management of Niqris(Gout): An Open label, Randomized, Standard <u>Control Study.</u>
Sadiya Khatoon	Clinical trial to evaluate the efficacy of a polyherbal hair oil for Intithār al Sha'r (Diffuse hair fall ) in equal sample proportion of male and female, single arm, interventional trial
Adnan Ali	Evaluating the therapeutic efficacy of a Polyherbal formulation containing Sirka, Āb-i-leemu and Roghan-i-Gul in the management of QūbāKhabīth (TineaCorporis): An open labelled, randomized clinical trial with standard control

Sumeena	Clinical study of Izterāb-i-Nafsāni (Generalized Anxiety Disorder) with therapeutic evaluation of Medicated Naṭūl (Irrigation) in its management: An Open, Standard Control Clinical study
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### Department of Ilmul Advia:-

Department of Ilmul Advia (Pharmacology) was established in 2016. A variety of teaching and learning techniques are employed to impart knowledge and skills to students. The department's infrastructure is well furnished with all modern facilities. The Department laboratories are well equipped with latest instruments and technologies. The department has three laboratories i.e. Pharmacology, Pharmacognosy and drug Standardization. Pharmacology laboratory has polarizing microscope with cameras, Rota rod apparatus, Activity meter apparatus, cold and hot plate analgesiometer, electro convulso meter etc. Pharmacognosy laboratory has microtome, Fluorescent ultraviolet chamber, paper chromatography chamber, muffle furnace and other related instruments which are used in identification of drugs. Drug Standardization Laboratory has to standardize the Unani drugs and to bring out research in Unani Pharmaceutical products. The laboratory has HPLC, Atomic Absorption Spectrophotometer, Microwave digestion system, UV/VIS Spectrometer and other basic equipments required for the routine works.

Department has also museum along with herbarium to house drug and plant specimens. The main motive for the development of drug museum and herbarium is to display various Unani drug samples for teaching and authentication of drug samples. The herbarium also helps to store authenticated specimens of Unani drugs and store all the samples over which research has been conducted at RRIUM, Srinagar. In future, it is hoped to serve as referral centre for drug authentication. The department also has an animal house facility which houses small laboratory animals like rat and mice. The animals are kept under standard environmental conditions as per CPCSEA guidelines.

Since the establishment of the Department, it has shown a lot of progress both academically and in research fields of major interest in the special context of Pharmacology, Pharmacognosy, Standardization, Physico-chemical studies of Unani drugs. The department regularly conducts journal club, seminar and symposium to enhance the communication skills and better understanding of the subject.

Batch 2016-17	
Name of the Scholars	Title of the study
Dr.Suheenakhanda	Evaluation of Lithotriptic Action of Baranjasif ( <i>Achillea millefolium</i> Linn) in Vitro and its Pharmacognostical Studies
Dr.Sajadsaleem	Comparative Studies of Commercial Sample of Irsa and its Botanical source ( <i>Iris ensata</i> Thumb) with reference to



	standardization and Pharmacognostical Studies
<b>Dr.Summaya Hasina</b>	Pharmacological Validation of Concept of Abadal-e-Advia (drug substitutes) with Reference to Hepato-protective Activity of ZarawandTaveel ( <i>Aristolochia lobga</i> Linn.) and its substitute Zaranbad ( <i>Curcuma zeodoaria</i> Rosc.) in rats
<b>Dr.Firdouskausar</b>	Effect of Aftimoon ( <i>Cuscuta reflexa</i> Roxb.) and Duqu ( <i>Peucedanum grande</i> C.B.Clarke) on letrozole induced polycystic ovarian syndrome in Animal Model
<b>Dr.AamirYousuf</b>	Pharmacognostical and Phytochemical studies on Rasan ( <i>Inula racemosa</i> Hook. F)
<b>Sabashafi</b>	In Vitro assessment of anti-microbial activity of some Unani compound formulations.
<b>Dr.IrfatAra</b>	Phytochemical Standardization and Anti-anxiety (Izterab-e-Nafsani) Study of Aftimoon Hindi ( <i>CuscutareflexaRoxib.</i> ) on Animal Model

Batch 2017-18		
<b>Name of Scholars</b>	<b>Title of the study</b>	
<b>Dr.Jwariyashamim</b>	An Experimental study of nephroprotective effect of Kasondi ( <i>Cassia occidentalis</i> Linn.) on Gentamicin-induced nephrotoxicity in rat model	
<b>Dr.Abu Nasir</b>	To evaluate the efficacy of Safuf-i-Dhayabitus as an adjuvant with Glibenclamide in Streptozotocin-induced Diabetic rats	
<b>Dr Nida Khan</b>	Evaluation of anti cancerous and anti oxidant effects of GuleBabuna on prostate cancer cell lines and standardization of drug on the basis pharmacognostical characters	
<b>Dr.Shahabuddin</b>	Comparative pharmacognostical and in vitro anticoagulant studies of TukhmAnjura( <i>Urticadioica</i> ) and TukhmUtangan ( <i>Blepharisedulis</i> ).	
<b>Dr.BablyTabassum</b>	Studies on Rasan ( <i>Inularecemosa</i> Hook F) for anxiolytic activity in Rat model	
<b>Dr. Iqbal Ahmad Kar</b>	Pharmacognostical study and evaluation of the Anticoagulant activity of Bisfayej ( <i>Polypodiumvulgare</i> L.) rhizome in vitro.	
<b>Dr. Rehab Maryam</b>	Evaluation of effects of Bihidana ( <i>Cydonia oblonga</i> Mill. Seeds) on acetic acid-induced ulcerative colitis in rats.	

Batch 2018-19		
<b>Name of Scholars</b>	<b>Title of the study</b>	

<b>Dr.Arshia Noor</b>	Pharmacognostic studies of Hurf al- Sutoooh (Capsella bursa-pastoris L. Moench) and evaluation of antimicrobial effects of its seed in vitro.
<b>Dr.IfraQyoom</b>	Studies on Kushtamarjansada with reference to its physico chemical standardization and toxicity study
<b>Dr. Syed Anayatullah</b>	Evaluation of pharmacognostical and wound healing effect of Charela (Parmeliaperlata (Huds.) Ach.) lichen on albino wistar rats.
<b>Dr.Huzaiifa Ansari</b>	To evaluate Comparative study of crude and detoxified (mudabbar) samples of Saqmunia (Convolvuluscammonia L.) with reference to its physico-chemical and toxicity studies
<b>Dr.AfreenHabeeb</b>	Comparative Pharmacognostical study and evaluation of anti-inflammatory effect of Viscum album L. in animal model on two host trees in Kashmir
<b>Dr.Shafeiqur Rahman</b>	Pharmacognostical Studies and Evaluation of Antimicrobial activity of Sanjiwan (Tussilagofarfara L.) leaves in vitro
<b>Dr.MohdMusaib Bhat</b>	To screen and validate the Antipyretic activity of a compound Unani formulation with/without adjuvant on yeast induced wistar rats.

Batch 2019-20		
<b>Name of the Scholars</b>	<b>Title of the study</b>	
<b>Dr.IqraRifat</b>	Evaluation of physicochemical parameters, phytochemical screening, in vitro hemostatic and anti-oxidant properties of jar-ul-Nahr	
<b>Dr.BazilahMajeed</b>	Evaluation of Acute toxicity and immunomodulatory activity of Qurs-i-Haiza in albino Wistar rats	
<b>Dr.FarhatAnjum</b>	Physicochemical standardization, phytochemical screening and in vitro anti-obesity study of a Unani formulation (filfilsiyah, karafs, asaroon, anisoon)	
<b>Dr.SehlaMajeed</b>	Quality control, Acute toxicity and Anti-Obesity studies of Safuf-i-Tehzeel-i-badan in high fat diet induced obese albino Wistar rats	
<b>Dr.AiemanYaqoob</b>	Studies on Safoof-i-dhayabitus with reference to its quality control and toxicity in albino Wistar rats.	
<b>Dr. Yasmin Siddique</b>	Evaluation of anti-inflammatory activity of various of various extracts of UsaraRevand, Ushaq and Anzaroot.	
<b>Dr. Abdul Haseeb</b>	A comparative study on pharmacognosy and anti-anxiety effect of two species of Barg-i-Gaozaban (Boragoofficinalis L. and Anchusa strigose Banks and sol.) in Wistar albino rats.	

Batch 2020-21		
<b>Name of the Scholars</b>	<b>Title of the study</b>	
<b>Dr.Seeratul Fatima</b>	Evaluation of the Antifertility effect of Habb-i-man-i-hamal in female albino wistar rats.	
<b>Dr. Khan SabihaArzoo</b>	Standardization of habb-i-Ghafis and evaluation of Hepatoprotective activity against CCL <sub>4</sub> induced Hepatotoxicity in albino wistar rats.	
<b>Dr.ZamalMariyam</b>	Standardization of a polyherbalpharmacopoeial formulation and evaluation of nephroprotective activity of its extracts against Gentamicin induced Nephrotoxicity in albino wistar rats.	
<b>Dr. Abdul Habib</b>	Study on safuf-i-ishal with reference to its quality control Acute toxicity and anti diarrhoeal activity in albino wistar rats.	
<b>Dr.Mohd. Naveed</b>	Standardization and evaluation of Antipyretic and Anti-inflammatory effects of Aqueous solution and ethanolic extract of Habb-e-ruba in albino wistar rats.	

Batch 2021-22		
<b>Name of Scholars</b>	<b>Title of study</b>	
<b>Dr.Ajaz Ahmad Bhat</b>	Studies on Qurs-e-Gul with reference to its Standardisation, Acute toxicity and Antipyretic effect in Albino Wistar Rats.	
<b>Dr.NahidaRafeeq</b>	Quality control and acute toxicity studies of Habb-i-Jaiyyed in albino Wistar rats	
<b>Dr. Nasir NazirWani</b>	Standardisation, Acute toxicity study and Evaluation of Anti-Convulsant activity of Safuf-i-Sar' inAlbinoWistar Rats	
<b>Dr.Riyaz Ahmad</b>	Studies on Habb-i-Ruba' with reference to its Quality control and Acute toxicity in albino Wistar rats	
<b>Dr. Mohammad Avid</b>	Studies on Qurs-e-ZaharMohra with reference to its Physicochemical, Phytochemical and Acute toxicity study in albino Wistar rats	

Batch 2022-23		
<b>Name of the Scholars</b>	<b>Title of the study</b>	
<b>Dr. Huziafa</b>	Standardization and evaluation of wound healing activity of hydroalcoholic extract of Marham-i- Ajaz in streptozotocin induced diabetic albino rats.	

<b>Dr. Urzeeba</b>	Acute toxicity study and evaluation of antidiabetic effect of QursDhayabitusKhas against streptozotocin induced diabetes in Albino Wistar rats
<b>Dr. Uzma</b>	Standardization and evaluation of wound healing activity of marhamkhall in Albino wistar rats
<b>Dr. chand</b>	Studies on Qurs Bel with reference to its acute toxicity and acute diarrhoeal activity in Albino Wistar rats
<b>Dr. Belal</b>	Acute toxicity study and Evaluation of anti-axiety effect of safuf-i-musakkin in Albino Wistar rats.
<b>Dr. Barjees</b>	Acute toxicity study and Evaluation of Hepato-protective activity of QursAmbarbaris in Albino Wistar rats

## **List of Faculty members:**

**Dr.Arsheed Iqbal**  
**Coordinator UG & PG Program**

**Dr.AfsahulKalam**  
**Reader, Iilmul Advia**

**Dr.SheerazMushtaq**  
**Reader, Moalijat**

**Dr.Tauseef Amin**  
**Research officer, Biochemistry**

**Dr.Arif Habib**  
**Biostatistics & Research Methodology**

**Dr.Ansar**  
**Professor, Ilmul Advia**

**Dr.Zaffar Hussain**  
**Professor, Moalijat**

**Dr.Shameem Rather**  
**Professor, Moalijat**