



3.5.1

COLLABORATIVE ACTIVITIES

(FOR RESEARCH, FACULTY EXCHANGE STUDENT
EXCHANGE, INDUSTRY-INTERNSHIP)



अखिल भारतीय आयुर्वेद संस्थान
ALL INDIA INSTITUTE OF AYURVEDA (AIIA)
(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)
(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

INDEX

SL NO	NAME OF THE ACTIVITY	PAGE
1	A study of ashwagandha administration in participants vaccinated against covid-19 on safety, immunogenicity, and protection: a randomized, double-blind, placebo-controlled, multi-centric clinical trial	5
2	Development of an innovative Upanaha patch and evaluation of its comparative clinical efficacy in knee osteoarthritis	6
3	Development of ready to make weaning food prepared as per the formulation given in Astang Hridaya	7
4	Development of nutraceutical cookies enriched with cissus quadrangularis	7
5	Proximate analysis, shelf-life study and antioxidants analysis of Chinchadi candy (tamarind candy)	8
6	In vitro and in-vivo safety studies of selected Rasaushadhies (Mercurio-Arsenical formulations)- Shwasakuthara rasa and Sameerpannag Rasa	9
7	Proximate analysis and antioxidants analysis of Chinchadi candy (tamarind candy)	8
8	Analgesic and anti-inflammatory activity of vitex nigundo and vitex agnus-caustus on albino wistar rats	11
9	Assessment of medhya karma of mundi in experimental model of amnesia in adult mice	12
10	The microbiological study of deep second degree burn wounds and the therapeutic and antimicrobial potential of Patola taila in Wistar rats- a preclinical study.	13
11	Wound healing efficacy of Ashwagandha gel	15
12	Protective effect of Swadamstradi Ghana, an ayurvedic compound herbal formulation against gentamycin induced nephrotoxicity in wistar rats	16
13	Design and development of hand held Dhoopan yantra	17
14	Modulation of gene expression of taste receptors and secretion of gut hormone after stimulation by different rasas(taste) of food using the enteroendocrine cell line model	17
15	The repurposing of herbal formulations and bio actives against 4-hydroxy-trans-2-non-enal(HNE) generation in repeatedly heated food(oils) for the abatement of lifestyle related disorders	17

गौतमपुरी, सरिता विहार, मथुरा रोड, नई दिल्ली -110076

Gautampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

E-mail: aiianewdelhi@gmail.com

Phone: 011-29948658

Fax: 011-29948660



अखिल भारतीय आयुर्वेद संस्थान
ALL INDIA INSTITUTE OF AYURVEDA (AIIA)
(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)
(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

16	Development of pectin-based bio composites of herb Gojihva (Launea nudicaulis linn.) For wound dressing & its clinical evaluation on chronic wounds: an exploratory study (IIT-Delhi)	17
17	Investigating neural correlates of humming bee sound during the Bhramari pranayam.	17
18	Development of for early diagnosis of cancer and assessment of ayurvedic drug response in cancer -an exploratory study	17
19	Analysis of bhasma and their toxic inhibitor effect on the als(amyotrophic lateral sclerosis)- related sod-1 and parkinson related alfa 1- syn nuclein aggregation	17
20	Ashwagandha for the prophylaxis against SARS-cov-2 infection: a randomized hydroxyl chloroquine controlled clinical trial in health care providers (study code: ayush-csir-hcp-01)	21
21	Study the physiological basis and gut bacterial modulations induced by virechana (purgation therapy) in healthy adults: a prospective longitudinal study	28
22	Prophylaxis with neem capsules (Azardirachta indica a. Juss) in subjects coming in contact with of covid-19 patients.	33
23	Evaluation of cytotoxic activity of Gojihva on breast cancer (MCF-7) and cervical cancer (hela) cell lines	37
24	The antidiabetic effect of swaras and hydro alcoholic extract Gojihva on the experimental animal model	38
25	Validation and reliability testing of ayurveda diagnostic methods	39
26	Development of RRDR for trans ganga plain region	40
27	National campaign on Amruta for life (Tinospora cordifolia)	42
28	Gastroprotective activity of Indukanta Ghritam.	44
29	Antipyretic activity of Sanjivani Vati	45
30	Immunomodulatory & anti-oxidant activity of Shilajatu.	46
31	Anti-oxidant & lipid peroxidation activity and adaptogenic activity	47
32	Pharmacognostical, Phytochemical & nutrient profile of Gojihva Launaea nudicaulis (L.) Hook f. and it's in-vitro antidiabetic activity (alpha amylase) inhibition.	48
33	"Pharmaco-epidemiological survey to observe the pattern of use of Classical Ayurvedic Herbs used along with the conventional antidiabetic medicine in type II Diabetes Mellitus and Preclinical study for Herb-Drug Interaction of Topmost unexplored plan	49

गौतमपुरी, सरिता विहार, मथुरा रोड, नई दिल्ली -110076

Gautampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

E-mail: aiianewdelhi@gmail.com

Phone: 011-29948658

Fax: 011-29948660



अखिल भारतीय आयुर्वेद संस्थान
ALL INDIA INSTITUTE OF AYURVEDA (AIIA)
(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)
(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

34	Efficacy of Darvyadi lauha in the management of hepatocellular jaundice (kamala) and hepatoprotective activity in paracetamol induced hepatocellular toxicity	50
35	Memory enhancing effect of Guduchyadi medhya yoga mentioned by Chakradatta-a preclinical study"	51
36	In vitro study of antihistaminic effect of Marubak(Oimum basilicum Linn.) & Its antimicrobial activity on the microbes (Haemophilus influenza, Streptococcus pneumonia, Streptococcus pyogenes and Staphylococcus aureus) causing respiratory infections.	52
37	Workshop on Nutrient analysis of food articles	53
38	International webinar on "Cerebral Palsy" on 12th September 2022.	56
39	International Webinar in association with Ayurveda Day Celebrations	56
40	International webinar at "UFRJ Knowledge Festival 2022"	56
41	International webinar on "Holistic Solution for leading Mental Health and Stress management through Yoga and Ayurvedic approaches" 05th November, 2020	58
42	An International Webinar was organized by All India institute of Ayurveda, in association with NICM, Health Research Institute, WSU, Australia and Australasian Association of Ayurveda on 5 Nov 2022, as a part of Ayurveda Day Celebrations 2022	58
43	International Webinar "Surviving the storm through the shelter of Ayurveda" to combat COVID-19 on 05th May, 2020	-
44	An International Webinar was organized by All India institute of Ayurveda, Sarita Vihar, New Delhi in association with Rosenberg Academy of Ayurveda (REAA), Germany in October 2022	64
45	Yoga foundation course 2017	69
46	Yoga foundation course 2018	68
47	Yoga foundation course 2019	72
48	Yoga foundation course 2020	74
49	Yoga foundation course 2021	77
50	International Webinar on Holistic Health and Happiness "Merger of Teachings & Technologies" on 26th Oct 2022	81

गौतमपुरी, सरिता विहार, मथुरा रोड, नई दिल्ली -110076

Gautampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

E-mail: aiianewdelhi@gmail.com

Phone: 011-29948658

Fax: 011-29948660



Institute for Industrial Research & Toxicology

औद्योगिक अनुसंधान एवं विष विज्ञान संस्थान

Registration No. 1303/C/CPCSEA (Ministry of Environment & Forests, Government of India)

License No.: 01/2015 (Food and Drug Administration, UP)

AN ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Organization

GLP Certified, NABL (ISO/IEC 17025) Accredited

Approval No: IIRT/IAEC/2020/09/012

Form B [per rule 8(a)]

Certificate

This is to certify that the project proposal no IIRT/IAEC/2020/02/001 entitled ANTI- DIABETIC EFFECT OF "SWARAS AND HYDRO-ALCOHOLIC EXTRACT OF GOJIHVA (LAUNEA NUDICAULIS)" ON EXPERIMENTAL RAT MODEL submitted by Dr. Madhukar Saxena has been approved/recommended by the IAEC of Institute for Industrial Research and Toxicology (Organization) in its meeting dated and has been sanctioned 42 male Wistar Rats under this proposal for a duration of next 6 months.

Authorized by	Name	Signature	Date
Chairman:	Mr. N.N. Mishra		12-09-2020
Member Secretary:	Dr. Amit kumar Pal		12-09-2020
Main Nominee of CPCSEA:	Dr. Ashish Kumar		12-09-2020





केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद

CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES

Ministry of AYUSH, Govt. of India
Jawahar Lal Nehru Bhawan, Chakraborty Chakraborty Anusandhan Bhawan
No. 61-65, Institutional Area, Opp. D Block, Janakpuri, New Delhi-110058

30 JAN 2020

Dated: 29.01.2020

F.No.3-31/2018-CCRAS/Admn/V&RT

आदेश

पहले के आदेश सं. 3-31/2018-CCRAS/Admn/V&RT/6074 दिनांक 29.03.2019 के बाद परिषद के अधिवेशन में केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद, नई दिल्ली के नियम एवं विनियम की अनुसूची-1 के नियम 50 में दिय गए अधिकारों के अंतर्गत महानिदेशक केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद, नई दिल्ली के अनुमोदन से इस परियोजना की कुल लागत रु.17,76,000/- (रुपया सत्रह लाख छिहतर हजार मात्र) Director (Institute), CARICD, Punjabi Bagh, New Delhi को परियोजना & Validation and Reliability Testing of Ayurvedic Diagnostic Tools के निष्पादन के लिए पैरा तीन में नीचे वर्णित निबन्धन और शर्तों के अधीन उक्त राशि को निम्नलिखित तालिका में दिये गए बजट ब्रेकअप के अनुसार देने की स्वीकृति प्रदान की जाती है।

S. No.	Head	1 st Year	2 nd Year	3 rd Year	Total Amount
1	Manpower: 01 DEO @ Rs.16,000/- pm (To assist the Principal Investigator I&2, screening healthy subjects and also to maintain the record and e-format etc.)	1,92,000/-	1,92,000/-	1,92,000/-	5,76,000/-
2	TA/DA for IEC members and Investigators (IEC is Mandatory part of the project and TA/DA is required to attend the review meeting at CCRAS Hqrs/CCRAS centres.)	1,00,000/-	1,00,000/-	1,00,000/-	3,00,000/-
3	Incidental Support to the Participant @ Rs.100/-/Visit (Incidental support to the participant is required to meet out their wages loss.)	1,00,000/-	1,00,000/-	1,00,000/-	3,00,000/-
4	Contingency (Including paper, cartridge, postal charges and advertisement for recruitment of Data Entry Operator.)	2,00,000/-	2,00,000/-	2,00,000/-	6,00,000/-
	Grand Total	5,92,000/-	5,92,000/-	5,92,000/-	17,76,000/-

2. नियम एवं शर्तें:-

- परियोजना सी.सी.आर.ए.एस. रिसर्च पॉलिसी का अनुसरण करने हेतु पूर्ण की जाएगी।
- Institute responsible for the research project: All India Institute of Ayurveda, Delhi में प्रथमवर्ष के छात्र हेतु CARICD, Punjabi Bagh, New Delhi को स्वीकृति आदेश सी.सी.आर.ए.एस. रिसर्च पॉलिसी के अनुसार जारी किया जाएगा एवं बजट विवरण के अनुसार आकस्मिक अग्रिम राशि को हस्तांतरण किया जाएगा।
- The progress of project in accordance with approved timeline and deliverable should be submitted to the Council Hqrs on monthly basis in the prescribed format (Annexure-6 to CCRAS Research Policy). The final report should be sent in the prescribed format (Annexure-7 to CCRAS Research Policy) within two months from the date of completion of the project. Participating institutes अध्ययन प्रारंभ करने के बाद मासिक, तिमाही एवं वार्षिक प्रगति रिपोर्ट CARICD, Punjabi Bagh, New Delhi को प्रस्तुत करेंगे तथा CARICD, Punjabi Bagh, New Delhi उक्त प्रतिभागी संस्थानों की मासिक तिमाही एवं वार्षिक प्रगति रिपोर्ट परिषद मुख्यालय को यथासमय प्रेषित करेंगे।
- परियोजना के लिए किये जाने वाले खर्च को principles laid down in Chapter 6 of the General Financial Rules 2017 titled "Procurement of Goods and Services" का अनुसरण करने हुए किया जाएगा।

5292

3/1/2020
(सम)

Dr. Deepa Malhotra

3/1/2020

दीपा

3/1/2020

0/1/2020

(52)
35 40

F. No. Z.18017/187/CSS/HC/131-01/2019-20-NMPB
Government of India
Ministry of AYUSH
National Medicinal Plants Board

1st Floor, IRCS, Annexe Building
Near Indian Red Cross Society,
Red Cross Road,
New Delhi - 110 001
Dated: 28th January, 2020

To,
Prof. (Dr.) Tanuja Nesari
Director,
All India Institute of Ayurveda,
Gautampuri, Sarita Vihar, Mathura Road,
New Delhi, 110076.

Subject: Project Proposal for "Establishment of Regional Raw Drug Repository for Trans-Ganga Plain Region." vide Pr. No. HC/131-01/2019-20-NMPB-reg.

NMPB previous reference: OM no. Z.18020/03/2016/NMPB-VII dated 14th August 2019 (Copy enclosed)

Madam,

I am directed to refer your project proposal on subject cited above has been approved in 75th SFC held on 5th December, 2019 for an amount of Rs. 5,00,00,000/- (Rupees five Crore Only) for the period of 5 years.

The financial break-up of the Grant-in-aid as approved by the 75th SFC is as below:-

S.no	Items	Total amount (Rs. in Lakh.)
1	Capital/ Infrastructure	156.826
2	Human Resource	182.124
3	Non-consumable Equipments etc.	5.05
4	Miscellaneous/Recurring	140.0
5	TA/DA	6
6	Others/ Contingency and overhead	10
Total Amount		500.000

Details of Installments will be as follows:-

Total (Rs. in Lakh)	1 st installment (Rs. in Lakh)	2 nd installment (Rs. in Lakh)	3 rd installment (Rs. in Lakh)	4 th installment (Rs. in Lakh)	5 th installment (Rs. in Lakh)
500.00	150.00	100.00	100.00	100.00	50.00

P.T.O

Nesari
28/1/2020

In this regard, it is communicated that organization/institutional Head is designated Project Investigator to submit/furnish the following documents mentioned below:

1. Pre-receipt of Rs. 1,50,00,000/- duly signed, on Rs. 1/- revenue stamp affixed.
2. A certificate stating that institute / organization is not involved in any proceeding relating to the account or conduct for any of its office bearers.
3. An undertaking that the terms and conditions of the grant are acceptable to your organizations.
4. A certificate that the organization has not received any grant from State or Central Govt. or from any other agency for the same proposal or similar work.
5. Agency details and ECS mandate form (Copy enclosed)
6. An agreement along with a bond on Rs. 100/- stamp paper duly executed & signed in the prescribed Performa.

Note: All the future correspondence with NMPB always quote the project no. and kindly keep inform NMPB regarding initiative and ongoing activities of RRDR.

Naresh
28/01/2020
(Dr. Naresh Kumar Kumawat)
Research Officer (Ayurveda)
Ph- 011-23721838

Copy to:

- Dr. Shivani Ghildiyal, Assistant Professor, Deptt. of Dravyaguna, All India Institute of Ayurveda, Gutulampuri, Sarita Vihar, Mathura Road, New Delhi, 110076.
- Director (ISM&H) & CEO (SMPB), Directorate of Indian System of Medicine & Homoeopathy, Government of NCT of Delhi, A&U Tibbia College Campus, Karol Bagh, New Delhi-110005
- Dr. Arun Chandan, Regional Director, Research Institute in Indian Systems of Medicine (RIISM), Joginder Nagar, Dist. Mandi, Himachal Pradesh - 175 015

Z. 18020/CSS/Giloe-Campaign/DL-02/2019-20-NMPB-VIII

Government of India
Ministry of AYUSH
National Medicinal Plants Board

1st & 2nd Floors,
India Red Cross Annexe Building,
India Red Cross Society Complex,
New Delhi- 110 001.

Date: 21st January, 2020

To,

Dr. Shivani Ghildiyal,
Assistant Professor, Department of
Dravyaguna, All India Institute of Ayurveda,
Gautampuri, Sarita Vihar, Mathura Road,
New Delhi- 110076 (Email: drshivaniighildiyal@gmail.com).

Subject: Approval of the Project Proposal- Reg...

Sir,

The undersigned is directed to refer to the project proposal entitled "**National Campaign on Amrita for Life (*Tinospora cordifolia*)**" submitted by you and to say that the project has been approved in 75th SFC meeting held on 5th December, 2019 for a cost of **Rs. 18.90 lakhs (Rupees Eighteen Lacs and Ninety Thousand only)** for National Campaign on Amrita for a project period of one (1) year. The project No. is **Giloe-Campaign/DL-02/2020**. The details of the break-up is as indicated below:

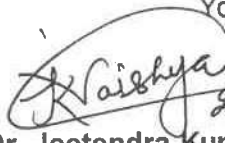
S. No.	Particulars of activities	Cost in Rupees
1	Cost of Amruta (<i>Tinospora cordifolia</i>) saplings	Rs. 5 Per Sapling X 2.00 Lakhs = Rs. 10.00 lakhs ✓
2	IEC Activities a) Brochures on <i>Tinospora cordifolia</i> b) Print Media (Hoardings & Digital) depending upon insertion in national or local Newspapers c) Electronic media including documentary, Awareness Programme/ Doordarshan, All India Radio etc. d) Organization of workshop/ local fairs/ competition among students (Elócuton, Paintings & Drawings, Poetry writing etc.)	Rs. 1.00 lakhs ✓ Rs. 2.00 lakhs ✓ Rs. 2.00 lakhs ✓ Rs. 3.00 lakhs ✓
	Total	Rs. 18.00 lakhs
3	Contingency (5% of Total Cost)	Rs. 0.90 lakhs
	Total	Rs. 18.90 lakhs

In this regard, you are requested to send the following documents as indicated below:

1. Pre-receipt of 1st & final instalment of Rs. 18.90 lakhs on Re 1/- revenue stamp affixed.
2. A Certificate stating that Institute/ Organization is not involved in any proceeding relating to the account or conduct for any of its office bearers.

3. An undertaking that the terms and conditions of the grant are acceptable to the college/ organizations.
4. A Certificate that the organization has not received any grant from State or Central Govt. or from any other agency for the same proposal.
5. Agency Details (**Copy enclosed**).
6. Bank Mandate Form (**Copy enclosed**) should be forwarded through Bank.
7. Land documents for the raising of saplings of Tinospora should be submitted.
8. Sapling of Tinospora should be raised in this monsoon season (within 100 days) and details of launch programme as well as the number of seedlings developed along with the details of awareness programme should be intimated to NMPB in every months.

Yours faithfully,


21/1/2020
(Dr. Jeetendra Kumar Vaishya)
Research Officer (MPs/ Agro.)



BILL		
To, Dr. Galib Associate Professor Dept. of Rasashastra & Bhaishajyakalpana , All India Institute of Ayurveda-Delhi. Name of Research Student: Dr. Punam Agarwal	BILL NO	113/1920
	DATE	28/December/2019
	Pan No. AACTA5306K	
Description	Rate Rs.	Charge Rs.
Animal	350	12600
Albumin	100	3600
SGPT	17	612
ALP	10	360
Bilirubin	20	720
Total Protein	10	360
Catalase	6	216
GSH		2000
MDA	66	2376
Histopathology		2000
Study charges		2000
Maintenance		2000
		5000
		15000
Total Rs.		48844
IN WORDS: Rs. Forty Eight Thousand Eight Hundred Fourty Four Only		 Dr. K. G. APTE

N.B: Under section 12AA of the Income Tax Act, 1961 (43 of 1961) by way of charitable activities are to be charged for GST @NIL%.

F. No. D-20005/5/2/2017-AIIA/RSBK /176

20.11.2019

To,

The Director,
All India Institute of Ayurveda,
New Delhi

Through Proper Channel

Sub: Permission for on duty leave from 25.11.2019 to 27. 04.2019 for carrying out Physicochemical study related to PG thesis- Reg.

Respected Madam,

Myself, Dr. Shreshtha Kaushik, PG Final year Scholar working on my dissertation topic entitled, "Pharmaceutical Standardization of *Sanjivani Vati* prepared with *Shodhita* and *Ashodhita Bhallataka* and their Comparative Anti-pyretic activity in experimental animals" under the guidance of Prof. P.K. Prajapati. In relation to this, I need to carry out my physicochemical study at Pharmacopoeial Laboratory of Indian Medicine, Ghaziabad. In this regard, the concerned authority has already consented.

Therefore, I request your good self to kindly permit me on duty leaves from 25.04.2019 to 27.04.2019 for carrying out physico-chemical study at Pharmacopoeial Laboratory of Indian Medicine, Ghaziabad.

Thanking you in anticipation.

Yours Sincerely,

Shreshtha 20.11.2019
Dr. Shreshtha Kaushik,
Final year PG Scholar,
Dept. of RSBK, AIIA

Guide:

Frank
20/11/19

Director:

Send by email



अखिल भारतीय आयुर्वेद संस्थान

AII INDIA INSTITUTE OF AYURVEDA (AIIA)

(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

F. No. B-11003/5/5/2017-AIIA/Jr.Resi/ 3289

Date: 20th January 2020

OFFICE ORDER

As per the approval of Competent Authority, AIIA, Dr. Rohit Singh, and Dr. Shrestha Kaushik Department of Rasashastra evam Bhaishjya Kalapanaa admitted batch has permit to on duty leave for carrying out physicochemical study related to their diesseration work at Siddhartha Insitute of Pharmacy, Dehradoon, Utarakhand. The details are as below:

S.No.	Name	Batch	From	to	Days
1.	Dr. Rohit Singh	2017	20.01.2020	31.01.2020	12
2.	Dr. Shreshtha Kaushik				

2. They have to submit work report & attendance after joining duty at AIIA.

Sujata Kadam
20/1/2020
(Prof. Sujata Kadam)
Dean

Copy to:

- Concned Department
- PPS to Director
- PG Scholars.

गौतमपुरी, सरिता विहार, मथुरा रोड़, नई दिल्ली - 110076

Gautampuri, Sarita Vihar, Mathura Road, New Delhi - 110076

Email: director@aia.gov.in

Phone: 011-29948658

Fax: 011-299948660



Institute for Industrial Research & Toxicology

औद्योगिक अनुसंधान एवं विष विज्ञान संस्थान

Registration No. 1303/C/09/CPCSEA (Ministry of Environment & Forests, Government of India)
GLP Certified, NABL (ISO/IEC 17025) Accredited and FDA Approved (Drug & Cosmetics)
AN ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Organization

EVALUATION OF HEPATOPROTECTIVE ACTIVITY OF DARVYADI LAUHA (A HERBO-MINERAL PREPARATION IN POWDER FORM) IN PARACETAMOL INDUCED HEPATOTOXICITY IN WISTAR ALBINO RATS

SPONSORED BY

DR. A JYOTHI
ALL INDIAN INSTITUTE FOR AYURVEDA
DELHI

DATA REQUIREMENTS

ISO GUIDELINE 10993 PART 5 BIOLOGICAL
EVALUATION OF MEDICAL DEVICES- TEST FOR IN VITRO
CYTOTOXICITY

TESTING LABORATORY

INSTITUTE FOR INDUSTRIAL RESEARCH & TOXICOLOGY
F-209, PHASE -1, UPSIDC, MG ROAD, GHAZIABAD-201302

PROJECT NO. : 202010-052
REPORT NO : IIRT/MD/202010/601/ES
DATE : 25-01-2021





**DABUR
RESEARCH
FOUNDATION**

22, Site IV, Sahibabad, Ghaziabad - 201 010 (U.P.) INDIA
Ph. : +91 - (0120) - 3378400 (30 Lines)
Fax : +91 - (0120) - 4152279

DRF/HR/2019

30th May 2019

TO WHOM IT MAY CONCERN

This is to certify that **Dr. Yashika Bidhuri** has done her project in **Dabur Research Foundation, Sahibabad.**

During her association with us effective from **4th January 2019 to 30th May 2019**, she was working under the project titled "**Pharmacognostical, Phytochemical & nutrient profile of Gojihva Launaea nudicaulis (L.) Hook f. and it's in-vitro antidiabetic activity (alpha amylase inhibition)**" under the supervision of **Dr. Ritu Verma (Head Preclinical Operations) & Mr. Kamaraj Mani (Head Pharmacology).**

Work done by her in the project included:

- **In-vitro antidiabetic activity(alpha amylase inhibition).**

We wish her success for a bright future.

For Dabur Research Foundation

Dr. Manu Jaggi
Chief Operating Officer



**DABUR
RESEARCH
FOUNDATION**

DRF/HR/2019

30th May 2019

22, Site IV, Sahibabad, Ghaziabad - 201 010 (U.P.) INDIA
Ph. : +91 - (0120) - 3378400 (30 Lines)
Fax : +91 - (0120) - 4152279

TO WHOM IT MAY CONCERN

This is to certify that **Dr. Geetika Pahuja** has done her project in **Dabur Research Foundation, Sahibabad.**

During her association with us effective from **4th January 2019 to 30th May 2019**, she was working under the project titled **"Pharmacoepidemiological survey to observe the pattern of use of Classical Ayurvedic Herbs used along with the conventional antidiabetic medicine in type II Diabetes Mellitus and Preclinical study for Herb-Drug Interaction of Topmost unexplored plant"** under the supervision of **Dr. Ritu Verma (Head Preclinical Operations) & Mr. Kamaraj Mani (Head Pharmacology).**

Work done by her in the project included:

- **Determination of Herb-Drug Interaction of Jamun (Syzygium Cumini(L.) Skeels.) seed powder with marketed tablet of Metformin hydrochloride using high throughput inhibitor screening kit**
- **Herb-Drug Interaction study of Jamun powder and Metformin in Streptozotocin (STZ) induced Type II Diabetic rats.**

We wish her success for a bright future.

For Dabur Research Foundation

Dr. Manu Jaggi
Chief Operating Officer



Institute for Industrial Research & Toxicology

औद्योगिक अनुसंधान एवं विष विज्ञान संस्थान

Registration No. 1303/C/09/CPCSEA (Ministry of Environment & Forests, Government of India)
GLP Certified, NABL (ISO/IEC 17025) Accredited and FDA Approved (Drug & Cosmetics)
AN ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Organization

EVALUATION OF HEPATOPROTECTIVE ACTIVITY OF DARVYADI LAUHA (A HERBO-MINERAL PREPARATION IN POWDER FORM) IN PARACETAMOL INDUCED HEPATOTOXICITY IN WISTAR ALBINO RATS

SPONSORED BY

DR. A JYOTHI
ALL INDIAN INSTITUTE FOR AYURVEDA
DELHI

DATA REQUIREMENTS

ISO GUIDELINE 10993 PART 5 BIOLOGICAL
EVALUATION OF MEDICAL DEVICES- TEST FOR IN VITRO
CYTOTOXICITY

TESTING LABORATORY

INSTITUTE FOR INDUSTRIAL RESEARCH & TOXICOLOGY
F-209, PHASE -1, UPSIDC, MG ROAD, GHAZIABAD-201302

PROJECT NO. : 202010-052
REPORT NO : IIRT/MD/202010/601/ES
DATE : 25-01-2021





**DABUR
RESEARCH
FOUNDATION**

22, Site IV, Sahibabad, Ghaziabad - 201 010 (U.P.) INDIA
Ph : +91 - (0120) - 3378400 (30 Lines)
Fax : +91 - (0120) - 4152279

DRF/HR/2019

30th May 2019

TO WHOM IT MAY CONCERN

This is to certify that **Dr. Shalini** has done her project in **Dabur Research Foundation, Sahibabad.**

During her association with us effective from **4th January 2019 to 30th May 2019**, she was working under the project titled **"Memory enhancing effect of Guduchyadi medhya yaoga mentioned by Chakradatta-a preclinical study"** under the supervision of **Dr. Ritu Verma (Head Preclinical Operations) & Mr. Kamaraj Mani (Head Pharmacology).**

Work done by her in the project included:

- **Evaluation of antioxidant activity of guduchyadi yoga- in vitro assay.**
- **"In-vitro study-Neuroprotection against MPP+ induced neuronal damage in SH-SY5Y cells.**
- **In -Vivo-scopolamine induced dementia model on mice.**

We wish her success for a bright future.

For Dabur Research Foundation

Dr. Manu Jaggi
Chief Operating Officer



**DABUR
RESEARCH
FOUNDATION**

22, Site IV, Sahibabad, Ghaziabad - 201 010 (U.P.) INDIA
Ph. : +91 - (0120) - 3378400 (30 Lines)
Fax : +91 - (0120) - 4152279

DRF/HR/2019

30th May 2019

TO WHOM IT MAY CONCERN

This is to certify that **Dr. Subhasmita Jena** has done her project in **Dabur Research Foundation, Sahibabad.**

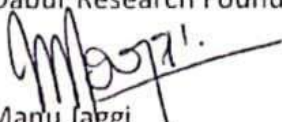
During her association with us effective from **4th January 2019 to 30th May 2019**, she was working under the project titled "**In Vitro study of antihistaminic effect of Marubak(Ocimum basilicum Linn.) & its antimicrobial activity on the microbes(haemophilus influenza, streptococcus pneumonia, streptococcus pyogenes and staphylococcus aureus) causing respiratory infections.**" under the supervision of **Dr. Ritu Verma (Head Preclinical Operations) & Mr. Kamaraj Mani (Head Pharmacology).**

Work done by her in the project included:

- **In-vitro anti-histaminic activity of Marubak (Ocimum basilicum Linn.) in basophilic cell line (KU812).**
- **Anti-microbial study on the microbes (haemophilus influenza, streptococcus pneumonia, streptococcus pneumonia, streptococcus pyogenes and staphylococcus aureus.) causing respiratory infections.**
- **Anti- Oxidant activity of Marubak (Ocimum basilicum Linn.) in in-vitro.**

We wish her success for a bright future.

For Dabur Research Foundation


Dr. Manu Jaggi
Chief Operating Officer

NUTRIENT ANALYSIS OF FOOD ARTICLES

WORKSHOP FOR PH.D. AND PG SCHOLARS

Department of Swasthavrittha and the Department of Rasashastra & Bhaishajyakalpana organized a three-day workshop on 'Nutrient analysis of food articles' in collaboration with the NIFTEM (National Institute of Food Technology Entrepreneurship and Management), Sonipat, Haryana. The workshop encompassed hands on training on techniques like basic nutrient analysis techniques and high-end techniques like HPLC. Smt. Nidhi Kaushik, Quality Manager, CFRA, NIFTEM and Shri. Ankur Kumar, Lab-in Charge, Central Instrumentation Laboratory at NIFTEM were in charge of the training.

The workshop was inaugurated by Dr. Tanuja Nesari, Director, AIIA; and both the PG and Ph.D. deans graced the occasion. The Director stated the need for inter-disciplinary collaboration to bring forward new research ideas for the exploring Ayurveda models for undernutrition. Smt. Nidhi explained the basics of food technology and Shri Ankur detailed about the topics that will be discussed and on the three-day hands-on training.



Inauguration of the workshop

The workshop gave the opportunity for the scholars to on the various topics like Oil extraction by Soxhlet's Apparatus, Moisture estimation by hot air oven, Ash content estimation by muffle furnace, components of HPLC and its applications, Kjeldahl apparatus, CNHS Analyzer for protein estimation.

The inauguration was followed by an introductory class by Mr. Ankur Kumar in the conference hall detailing the apparatus and equipment to be used in the workshop along with the procedures. This session was followed by the hands-on training at the labs of RRDR, AIIA and Department of Dravyaguna, AIIA.



Hands-on training on nutrient analysis



Hands-on training on HPLC

Alister

Director
ALL INDIA INSTITUTE OF AYURVEDA
Sarita Vihar, New Delhi -110076

Report: Visit of delegates from CABSIN, Brazil
to
All India Institute of Ayurveda,
Sarita Vihar, New Delhi
12 December 2022, Monday, 2:30 PM

Following request for visit via email dated 3 Dec 2022, **Prof. Dr. Ricardo Ghelman**, Chair Brazilian Academic Consortium for Integrative Health, **CABSIN, Brazil** and **Dr. Rugue**, coordinator of CABSIN's Ayurveda Committee, Brazil visited **All India Institute of Ayurveda, New Delhi on 12 December 2022, Monday, 2:30 PM onwards.**

The agenda for the meeting/ visit was to have face-to-face discussion on proposed themes of cooperation between both the institutes:

1. Cerebral Palsy Project,
2. Ayurveda Clinical Efficacy Evidence Map Project using the 3iE methodology with PAHO,
3. Oncology Project in conjunction with the National Cancer Institute in Brazil and
4. Ayurveda's Natural Products Project.

The delegation arrived as per schedule and were welcomed by Dr. Rajagopala, Associate Dean, ICCA, AIIA. Dr. Rajagopala moderated the meeting and interacted with the distinguished guests regarding activities of AIIA and shared the presentation on highlights of AIIA, brief outline about departments at AIIA, OPD data and ongoing research activities, etc. This was followed by a brief discussion between the experts, AIIA - Dr. Ricardo Ghelman and Dr. Rugue regarding the collaboration between the organisations and taking the MoU activities forward. Dr Ghelman also informed that besides **Cerebral Palsy**, they have a special interest in **neurodevelopment, paediatric oncology and haematology**. Dr. Rajagopala led a campus tour to the guests, including the department of paediatrics and Panchkarma dept. for children. The guests also interacted with the patients and PG/ PhD scholars on duty, regarding facilities and treatment being offered to the paediatrics patients especially, Cerebral palsy cases.

Dr Galib, Associate prof., Dept. of RSBK, AIIA interacted with the guests and offered them copies of quarterly journal publications of AIIA- Journal of Ayurveda Case Reports (J AyuCaRe) and International Journal of Ayurveda Research (IJAR) and gave them a brief about the same.

Dr. Rajagopala S., thanked the guests for their visit. The guests were honoured with a memento and Swasthya Raksha kits, on behalf of All India Institute of Ayurveda (AIIA), India.



Campus Visit of Team Brazil



Interaction of AIIA faculty with Guests



Felicitation of Guests



Interaction with Department of Pediatrics



Team CABSIN, Brazil with Team AIIA, India

Report: International Webinar

As a part of

Ayurveda day 2022 Celebrations

**All India institute of Ayurveda, AIIA – NICM, Health Research Institute, WSU,
Australia**

“Integrative Oncology”

5 Nov 2022, Saturday

Time – 10:00 am IST/ 3:30 pm AEDT onwards

An International Webinar was organised by **All India institute of Ayurveda, Sarita Vihar, New Delhi** in association with **NICM, Health Research Institute, WSU, Australia and Australasian Association of Ayurveda** on **5 Nov 2022, Saturday** starting **10:00 am IST/ 3:30 pm AEDT** onwards as a part of **Ayurveda Day Celebrations 2022** (23rd Oct 2022). The topic for the Webinar was- **“Integrative Oncology”**.

The introductory remarks were made by Prof.(Dr.) Tanuja Manoj Nesari, Director, AIIA where she briefed the international audience about the importance Ayurveda day celebration, Ayurveda for holistic health and happiness and theme for this year’s Ayurveda Day- *“Ayurveda for all ie. Har Din, Har ghar, Ayurved”*.

The Webinar started at around 10:00 AM with virtual lamp lighting and Dhanwantari Vandana sung by Dr. Kartik KP. The program started with welcome address by Prof. Jonah S., Dean, International Cooperation cell for Ayurveda (ICCA), and HOD, Dept. of Kaya Chikitsa, AIIA, New Delhi.

The ministerial address was delivered by Shri Pramod Kumar Pathak Ji, Special Secretary, Ministry of Ayush, Govt. of India, where he welcomed and congratulated all the participants and the organisers for bringing both the institutions on a common platform and organising the webinar. He briefed regarding the ‘Traditional Center for Global Medicine’ which was recently inaugurated by our Hon’ble Prime Minister, Shri. Narendra Modi Ji along with Director General of WHO and the Hon’ble Prime Minister of Mauritius, at Jamnagar in April 2022. He added that Ayurveda shows plenty of evidences in prevention of various non communicable chronic diseases such as cancer, through its holistic approach. Also, he also shared his good wished for the Ayurveda chair nomination at Australia by Ministry of Ayush, Govt. of India.

Dr. Manoj Nesari, Adviser (Ay), Ministry of Ayush, Govt of India, addressed the audience quoting the mission of this year’s Ayurveda Day celebrations- *‘Ayurveda every day, Ayurveda everywhere’*. With regards to the topic of the webinar, he added that ‘the mission of this year’s Ayurveda Day celebration is directly connected with the topic of the webinar as there are various causes of cancer in today’s polluted environment whether it be continuous inflammatory process going on in the body or the imbalance of all the three doshas or various toxins going in the body, with the continuous use of fertilisers and chemicals- all these causes are responsible for cancerous growths in the body’. So, following the various regimens prescribed in Ayurvedic texts, whether it be *dincharya* or *ritucharya*, help in eliminating toxins from the body and maintain various

biological functions of the body, hence preventing cancer. So, there is a lot of scope of research in this field. Like biomarker tests in modern sciences for detection of cancer, there is a need to develop tools to detect cancer in early stages itself, according to classification & understanding of the disease (cancer) in Ayurveda, too. For the same purpose, Ministry of Ayush has signed MoUs with various National and International institutions such as National Cancer Institute, USA, Integrative Center for Oncology, Pune, Tata Memorial Institute for Cancer, Mumbai & Guwahati etc.

Mr Ramanand Garge, Director, Swami Vivekananda Cultural Center, Consulate- General of India, Sydney, Australia, conveyed his best wishes for the collaboration and the integrative initiative between India and Australia. He praised the proactive approach of Ayurveda, in prevention and diagnosis of the disease, with its lifestyle based orientation and prescribed dietary patterns. Also, he added that Ayurveda has emerged as a prominent healthcare solution in the field not only in oncology but in various lifestyle related issues and diseases.

Prof. Deborah Sweeney, Deputy Vice-Chancellor and Vice-President, Research, Enterprise and International, Western Sydney University, Australia addressed the audience. She briefed regarding the ongoing research activities, collaborations and achievements of the Institute in a very precise manner and highlighted significant role of WSU in promotion of science and technology.

This was followed by the address of Prof. (Dr) Tanuja Manoj Nesari, Director, All India Institute of Ayurveda, India where she welcomed all the participants and organisers of the program. Reiterating the theme of this year's Ayurveda Day celebrations, she emphasised on the ultimate goal i.e. Scientificity of Ayurveda in series of which, this is the 3rd International Webinar. Also, there is a faculty exchange program to establish an Ayurveda Research, Education and Training Alliance and nomination of Ayurveda chair at Australia on behalf of Ministry of Ayush, Govt. of India, so that traditional knowledge is supported with technology and evidence is generated, which is the requirement of the day.

Prof. Dennis Chang Director, NICM Health Research Institute, Western Sydney University, Australia acknowledged all the distinguished guests and the participants of the webinar. He added that Ayurveda is one of the best developed traditional systems in the world which aims at prevention of the disease rather than treatment. Also, he emphasised that Ayurveda should be promoted for prevention and treatment of chronic diseases like cancer as, as per the current data available, there are more than 1.1 million cancer patients in Australia and there is a huge unmet need for supportive care for the disease.

The following were the experts/ speakers for the Webinar:

Scientific Session 1: Dr Shri Krishna Sharma Khandel, Visiting Professor, National Institute of Ayurveda, Jaipur, India

Title - Understanding and approach to cancer in Ayurveda -15 mins.

- Mention of Cancer in Ayurvedic texts with different names.
- Diagnosis and treatment of diseases which are unsaid.
- Components and constitution of the disease according to Ayurveda
- Genesis of inflammatory diseases
- Early pathological symptoms in Ayurveda

- Categories of chronic infections
- Treatment plan of diseases according to Ayurveda
- *Rasayan Chikitsa*, diet etc.

Scientific Session 2: Dr Vinita Deshmukh, Deputy Director, Integrated Cancer Treatment and Research Centre, Pune, India

Title - Sharing practical experience in managing different type of cancer through Ayurveda- 15 mins

- Shared data of 30,000 cancer patients at Integrated Cancer Treatment and Research Centre, Pune
- Use of Ayurvedic treatment to improve Quality of Life in Cancer patients
- Also, Integrated use of Allopathic treatment to reduce tumour burden
- Use of *Suvarna kalp* in cancer patients

Scientific Session 3: Dr Pankaj Wanjarkhedkar, Hon Ayurveda Consultant, Deenanath Mangeshkar Hospital and Research Centre, Pune, India

Title - Highlights on the major single herbal drugs used in management of cancer- 15 mins

- Scope of single herbal drugs
- Use of *neem* leaf and seed oil extract in treatment of oral cancer
- Use of *Ashwagandha* in prostate cancer
- Use of *mulethi* and *saptparn* (*Alstonia scholaris*) in radiation induced oral mucositis (RIOM)
- Use of *Phyllanthus emblica* (amla) and *cytrus medica* in xerostomia
- Fundamentals of single herb treatment
- Limitations of single herb treatment

Scientific Session 4: Dr Vitthal Huddar, Associate Professor Department of Kayachikitsa, All India Institute of Ayurveda, New Delhi, India

Title - Sharing experience of managing different type of cancer in Integrative Cancer Care Unit- 15 mins.

- Option of alternative medicines for better management of cancer
- Cancer – Ayurveda perspective
- Dosha and dushya involved in presentation of *arbud/gulm/tumor/cancer*
- Strength of Ayurveda (In Integrated Cancer care)
- About Center for Integrative Oncology at NICPR Noida & AIIA
- Integrated Cancer Care Unit (ICCU) – AIIA
- Case discussions

Scientific Session 5: Dr Suzanne Grant, Senior Research Fellow, NICM Health Research Institute, Western Sydney University, Australia

Title – Integrative Oncology in Australia - 15 mins

- Dealing with Oncology patients at NICM Health Research Institute, Western Sydney University, Australia for patients with Lymphedemas, Low Blood counts etc.
- Patient registry at integrative medical centre
- Current clinical studies reg. the topic
- Acupuncture for cancer related fatigue
- Electro acupuncture

Scientific Session 6: Dr. Deep Jyoti Bhuyan, Research Support Program Fellow, NICM Health Research Institute, Western Sydney University, Australia

Title – Gut microbiome, Postbiotics and Cancer: How can Ayurveda Help? -15 mins.

- He highlighted the induced drug resistance in cancer
- How Ayurveda can help in fighting drug resistance
- Increase efficacy of cancer drugs
- And reduce dose and side effects
- Some of his ayurvedic herbs of interest are- *Triphala* and curcumin.

Scientific Session 7: Dr. Shaun Matthews, MBBS, Hons UNSW, Bondi Medical Center, Australia

Title – Ayurveda and Yoga therapy in holistic treatment of Cancer - 15 mins

- Diagnosis of cancer at Bondi Medical Center, Australia
- Yogic view of human beings
- Holistic support to cancer patients: Personal dharma
- Strengthening the mental quadrant through yoga
- Common features of the clients at the centre with remarkable healing outcomes

The program was followed by a Panel discussion moderated by Prof. T. Nesari– (Panellist: Prof. Sujata Kadam, HOD, Dept. of SRPT, AIIA, Prof. Manjusha R., HOD, Dept. of ENT, AIIA, Prof. Dennis Chang and Dr Deep Jyoti Bhuyan, NICM Health Research Institute, Australia)

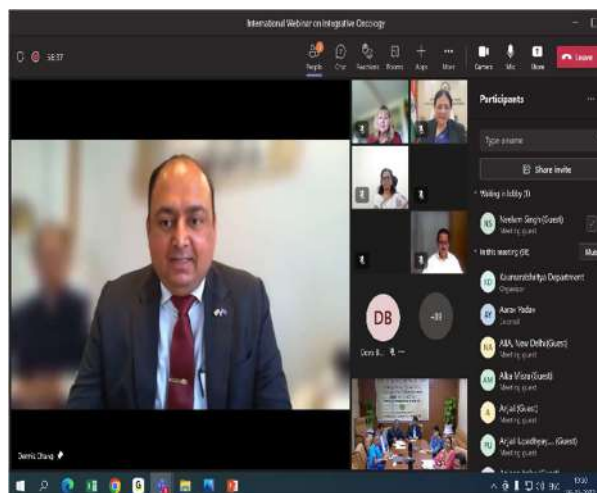
Dr. Galib, Associate Prof., Dept. of Ras Shastra and Bhaishajya Kalpana, AIIA delivered vote of thanks on behalf of AIIA team, to the dignitaries who attended the program, patrons and speakers, organisers of the program and the participants who spared their valuable time in attending the webinar.

Dr. Rajagopala S, Head, Department of Kaumarbhritya and Associate Dean, ICCA, AIIA who acted as the coordinator for the program, thanked all the participants for their valuable time and efforts and contribution in making this Ayurveda Day program a success.

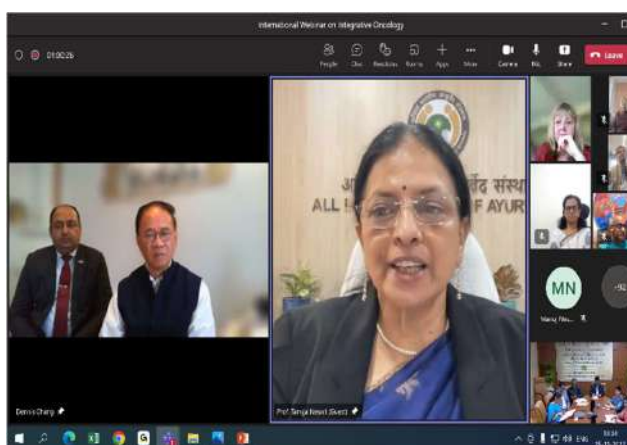
A few glimpses from the event:



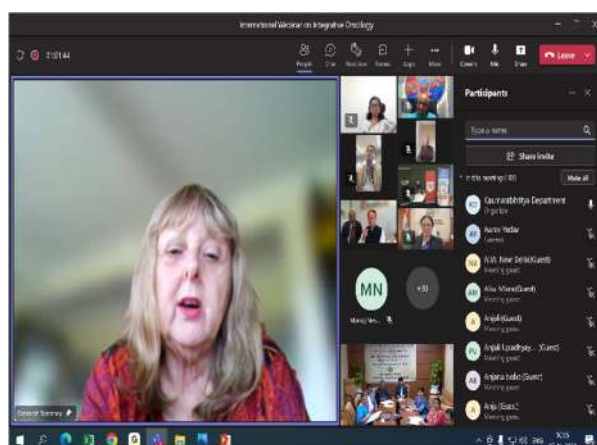
Address by Dr. Manoj Nesari, Advisor(Ay.), MoA



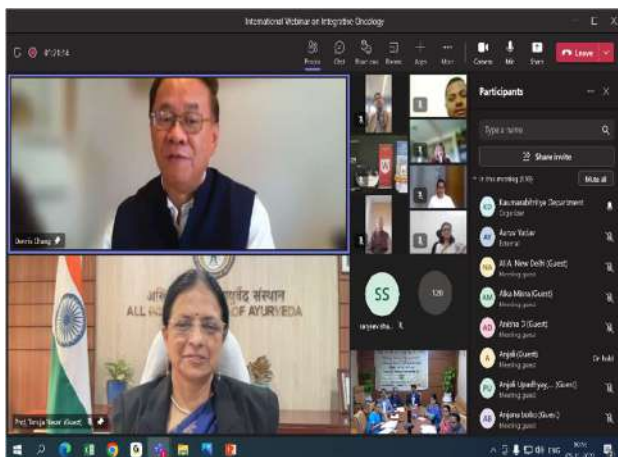
Address by Mr. Ramanand Garge, Director,
Swami Vivekananda Cultural Center, Australia



Address by Prof. Tanuja Manoj Nesari, Director,
AIIA



Address by Prof. Deborah Sweeney, Western
Sydney University, Australia



Address by Prof. Dennis Chang, Director, NICM Health Research Institute, Western Sydney University, Australia



Scientific session by Dr Shri Krishna Sharma Khandel, Visiting Professor, National Institute of Ayurveda, Jaipur, India



Vote of thanks delivered by Dr. Galib, AIIA



Group Photograph: All Teams



Team AIIA

Report: International Webinar on Ayurveda day 2022 Celebration
“India- Germany-Argentina”
20 October 2022, Thursday, 05:30 PM - 08:00 PM

An International Webinar was organised by All India institute of Ayurveda, Sarita Vihar, New Delhi in association with Rosenberg Academy of Ayurveda (REAA), Germany on 20th October 2022 starting 5:30 PM on the occasion of Ayurveda Day Celebrations 2022.

The Webinar started at around 5:30 PM with Welcome address by Prof. Jonah S., Head, Dept. of Kaya Chikitsa, AIIA, New Delhi and Dean, International Cooperation cell for Ayurveda (ICCA), AIIA.

The inaugural address was delivered by Prof. S.H. Acharya, Hon’ble guest lecturer, Dept. of Panchkarma, where he briefed the international audience about the origin of Ayurveda Day, importance celebration of Ayurveda day, also celebrated as Dhanwantari Jayanti and Ayurveda as a global Medicine which should reach every household for better health of the human community.

The following were the experts from the Guest and organising team:

1. **Dr. Jorge Luis Berra, Argentina**, Director, Prema Ayurveda Health Foundation, Germany, Director, Ayurveda Medicine courses at Argentine Medical Association and Ayurveda chair of the AYUSH Ministry.

(Topic: Rasayana medicinal plants from Ayurvedic Pharmacopeia of India available in Latin America and Argentina)

He briefed about:

- the Rasayana plants available locally in Germany
- the materia medica of Rasayana
- elaborate description of Rasayana with photos
- Rasayana drugs for specific dosha and dhatus
- Disease specific Rasayan

It was a very crisp presentation briefing about the Rasayana plants and demonstrating that most of the plants are common to both the countries and many studies can be carried out doing comparative analysis of common plants available.

2. **Prof. Dr. Martin Mittwede, Germany**, Head of the Master of Science in Ayurveda Medicine at Rosenberg Academy of Ayurveda, Germany

(Topic: Ayurveda and Psychology)

He briefed about:

- the holistic concepts in psychology in the western world
- the dimensions and resources of Ayurveda were highlighted
- Main causes of disease –according to charaka
- *Sattvavajaya* which is a psychotherapy to Strengthen Sattva

- Inner wisdom and capability of making a good decision

In Brief, he emphasised on ethical behaviour, meditation, yoga, self-awareness, *sattvic* food and *sattvic* lifestyle and importance of concentration.

3. **Prof Ananth Ram Sharma, AIIA**, Head of Dept. of Panchkarma, AIIA, New Delhi

(Topic: Ayurveda for Geriatric Care)

He briefed about:

- Improving Quality of Life of Geriatric patients
- Active ageing
- Geriatric care goal – *vayasthapana* and *rasayana*
- Principals required to manage the geriatric patients
- Biopurification
- *Aachar Rasayana*

In Brief, he highlighted the psychology of ageing and why healthy ageing is required, productive Health span, besides life span, and components for managing geriatric conditions and role of *shodhana* in *jarawastha*.

4. **Win Silvester (M.A.), Germany**, Head- Q Fitness academy in Bonn, Master's degree in Health management

(Topic: Ayurveda as Prevention in Occupational Health Management)

He briefed about:

- Challenges in occupational health
- Ayurveda in business context
- Objectives of Occupational Health
- Health workplace model
- Religious beliefs/ spirituality for life
- Importance of Work Rhythm

He highlighted importance of safe physical and Psycho-social environment, importance of spirituality in health, biorhythm, yoga and meditation and other healthy lifestyle practices.

5. **Dr. Ramakant Yadava**, Associate Prof., Dept. of Kayachikitsa, AIIA, New Delhi

(Topic: Ayurveda for Mental Health)

He briefed about:

- Ayurveda for Mental health
- Burden of Mental health disorders
- Also emphasised, what is not a mental disorder
- Functions of mind- whenever *rajas* and *tamas* increases, it leads to mental illness

- Common mental disorders

In brief, he explained about how and when stress increases, treatment modalities of Ayurveda in relation to mental disorders, importance of yoga and pranayama, *medhya rasayana*, preventive and promotive part of mental health through Ayurveda, highlighted Chikitsa part, plants and publications too.

**6. Dr. Kalyani Nagerseth, REAA, Germany, Specialist for Physical & Rehabilitative medicine and Western & Ayurvedic Phytotherapy in Germany
(Topic: Ayurveda successful adapted to German/European circumstances)**

She briefed about:

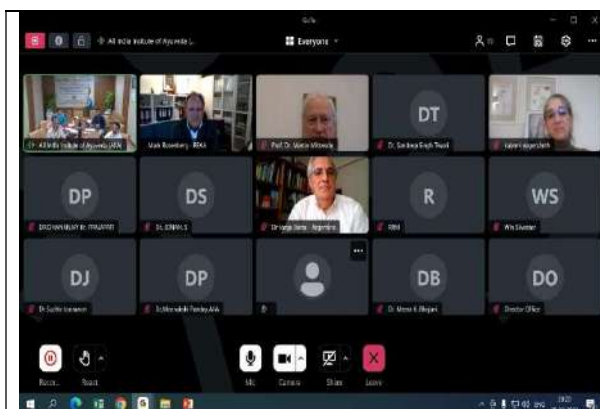
- Government Rules and Regulations in relation to ayurvedic treatment/Medicine in Germany
- Challenges faced by the Ayurvedic practitioners in Germany particularly at REAA.
- How REAA has adapted to Ayurvedic treatment and Panchkarma also keeping in mind German regulations and patient pool
- Virtual tour of the REAA building and premises
- Patient daily schedule while at REAA

She very wisely explained how they have made modifications in diet and lifestyle of the patients, modifications in Panchkarma regimen and what are the limitations in implementation of Panchkarma in Germany.

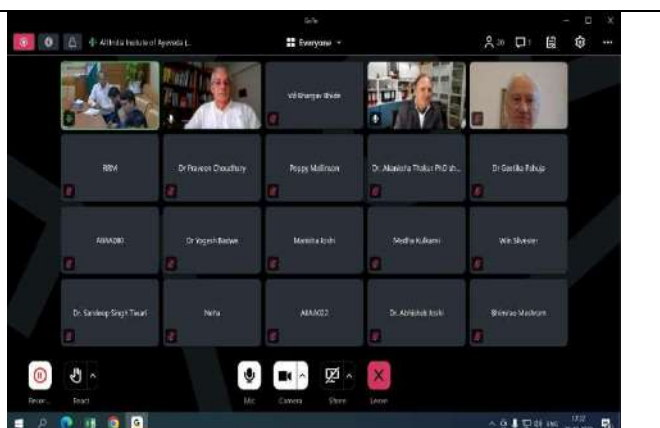
Dr Mark Rosenberg, Director, REAA, Germany, also thanked AIIA and all the participants for joining in and a short panel discussion was carried on. The Queries of the participants were addressed by the panel experts.

At the end, **Prof. Mahesh Vyas, Dean, PG studies, AIIA** delivered closing remarks to the guest and host team and all the participants who spared their valuable time in attending this webinar on the occasion of Ayurveda Day Celebrations 2022.

Dr. Rajagopala S, Head, Department of Kaumarbhritya and Associate Dean, ICCA, AIIA who acted as the coordinator for the program, thanked all the participants for their valuable time and efforts and contribution in making this Ayurveda Day a success. The Program continued for around 2:30 Hrs.



International Guests



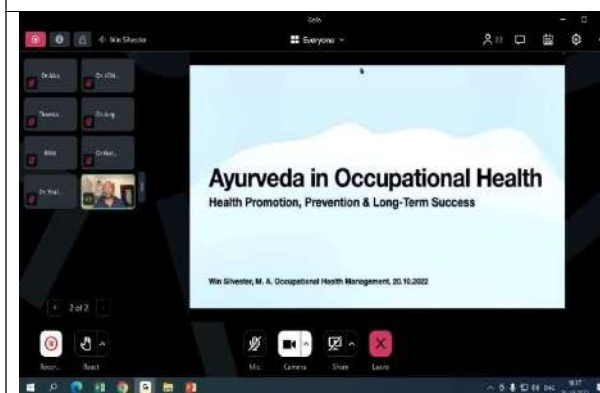
Welcome address by Prof. S.H. Acharya



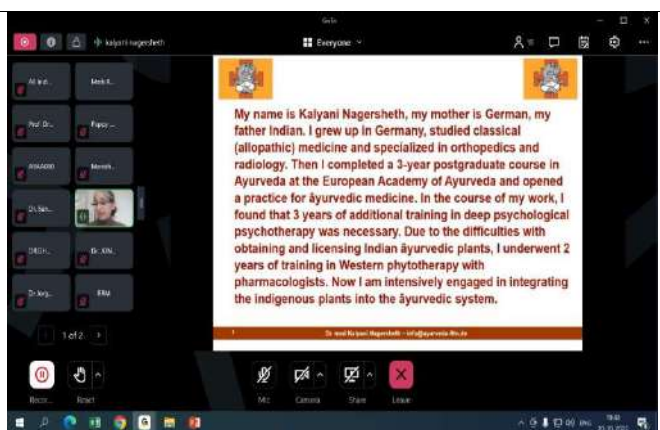
Presentation by Dr. Jorge Luis Berra, Germany



Presentation by Prof. Dr. Martin Mittwede, Germany



Presentation by Win Silvester, Germany



Presentation by Kalyani Nagarseth, Germany



ALL INDIA INSTITUTE OF AYURVEDA

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Gautampuri, Sarita Vihar, New Delhi - 110076

Foundation Course in Yogic sciences for wellness 2018

Course Duration :50 hours

No Of Seats : 90(30 in each batch)

Department Of Swasthavritta & Yoga
All India Institute Of Ayurveda in Collaboration with Morarji
Desai National Institute of Yoga



अखिलभारतीयआयुर्वेदसंस्थान
ALL INDIA INSTITUTE OF AYURVEDA (AIIA)
 (आयुषमंत्रालय, भारतसरकारकेअंतर्गतस्वायत्तसंस्थान)
 (An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Advt.No AIIA/FCYSW/1/2017

Dated: 04.10.2017

ADMISSION NOTIFICATION 2017-18

Foundation Course in Yoga Science for Wellness

The applications are invited for **one month "Foundation Course in Yoga Science for Wellness"** for academic month November 2017, jointly organized by All India Institute of Ayurveda and Morarji Desai National Institute of Yoga (MDNIY), New Delhi. The eligible candidates may apply in prescribed format on or before 18th October 2017 (5.00 pm). The details are available in website www.aiia.co.in.

[Signature]
 4/10/17
DIRECTOR

गौतमपुरी, सरिताविहार मथुरारोड, नईदिल्ली - 110076
 Goutampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

Phone: 011-26448658

Fax: 011-26448658

ATTENDANCE उपस्थिति
रजिस्टर REGISTER of the

YOGA FOUNDATION

मास के लिए
for the month of NOVEMBER

Sl No	NAME	Rank	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	VINOD KUMAR		P	P	.	S	P	P	P	P	P	S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

1st November - 20th Nov

ATTENDANCE उपस्थिति
रजिस्टर REGISTER of the

YOGA FOUNDATION

2014

માસ માં રિંગ
for the month of

1951-1952

(Evening)

S.N.	NAM	RANK
1	JANURAG SINGH RAJAV ✓	P P S S
2	RAJNI CHADAY (राजनी) ✓	P A U
3	JYOTI PANDEY ज्योति ✓	A N P
4	SUNITA MISHRA सुनिता ✓	V D
5	SHAMBHU PRASAD MISHRA शम्भू ✓	E A
(6)	KAJAL कर्कण ✓	P B Y
(7)	BABITA KUMARI बबिता ✓	P R P
(8)	SUNITA KUMARI सुनिता ✓	P Y O P
(9)	SARVESH KUMAR सार्वेश ✓	P R P
→ 10.	HANISH KUMAR हानिश ✓	D
11.	TREESA SURESH ✓	P P A P
12.	RITIKA (रितिका) ✓	P P P A P
13.	Deepika Kumar डीपिका	P F .
✓ 14.	Reem Singh रीम	P ↓ P P
15.	Rohini Kumari रोहिणी	P P P P P P P P
16.	Rinku रंकि	



ALL INDIA INSTITUTE OF AYURVEDA

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Gautampuri, Sarita Vihar, New Delhi - 110076

Foundation Course in Yogic sciences for wellness 2019

Course Duration :50 hours

No Of Seats : 90(30 in each batch)

Department Of Swasthavritta & Yoga
All India Institute Of Ayurveda in Collaboration
with Morarji Desai National Institute of Yoga



अखिल भारतीय आयुर्वेद संस्थान

ALL INDIA INSTITUTE OF AYURVEDA (AIIA)

(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Attendance for foundation Course in yoga Science for wellness 2018

Sno	Name of Student	1	2	3	4	5	6	7	8	9	10
1.	PRATIGYA CHAUHAN	P	P	P	P	P	P	A	P	P	P
2.	NEHA AWASTHI	P	P	A	P	P	P	P	A	P	P
3.	DURGESH SENTHIYA	P	P	P	P	P	P	P	P	P	P
4.	ARTI RAI	P	P	P	P	P	P	P	P	A	P
5.	KIRAN MARUTIRAO JADHAV	A	P	P	P	P	P	P	P	P	P
6.	VISHAL KUMAR	P	P	P	P	P	P	P	P	P	P
7.	PRATIBHA	P	P	P	A	P	P	P	P	P	P
8.	PRASHANT KUMAR	P	P	P	P	A	A	P	P	P	P
9.	NEHA YADAV	P	P	P	A	P	P	A	P	P	P
10.	SEEMA GUPTA	P	P	A	P	P	P	P	P	P	P
11.	MASOODA	A	P	P	P	A	P	P	P	P	P
12.	JITENDRA KUMAR ACHARYA	P	P	P	P	P	P	P	P	P	A
13.	SHARMILA PATIL	P	P	A	P	P	P	A	A	P	P
14.	UPASANA SONKER	P	P	P	P	P	P	P	P	P	P
15.	BHAVANA MAWAR	P	P	P	P	P	P	P	A	P	P
16.	POOJA	P	P	P	P	P	P	P	P	P	P
17.	ASHA MALVIYA	P	A	A	A	P	P	P	P	P	P
18.	DIMPAL GILL	P	P	A	A	P	P	P	P	P	P
19.	JYOTI RANI	A	A	P	P	P	A	A	P	P	P
20.	SHINSHA P	P	P	P	P	P	P	P	P	P	P
21.	LATIKA	P	P	P	P	P	P	P	P	P	P
22.	NAVEEN BANSAL	P	P	A	A	P	P	P	P	P	P
23.	UTTAMRAM YADAV	P	P	P	P	P	P	P	P	P	P
24.	NEELAM KAALIA	P	P	P	A	P	P	P	A	P	P
25.	POONAM VERMA	P	P	A	P	P	P	P	P	P	P
26.	AJAYA KUMAR MEHER	P	P	P	P	P	P	P	P	P	P
27.	ANJALI SHARMA	P	A	P	A	P	P	P	P	A	P
28.	NIDA QAMAR	P	A	P	A	P	P	P	P	P	P
29.	NIDHI BAJPAI	P	P	P	P	P	A	P	P	P	P
30.	NEHA DIXIT	P	P	P	A	P	A	P	P	P	P

M/S
HOD Swasthavritta

गौतमपुरी, सरिता विहार, मथुरा रोड, नई दिल्ली - 110076

Gautampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

E-mail: director-aiia@gov.in Phone: 011-29948658 Fax: 011-29948660



ALL INDIA INSTITUTE OF AYURVEDA

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Gautampuri, Sarita Vihar, New Delhi - 110076

Foundation Course in Yogic sciences for wellness 2020(online)

Course Duration :50 hours

No Of Seats : 90(30 in each batch)

Department Of Swasthavritta & Yoga
All India Institute Of Ayurveda in Collaboration with Morarji
Desai National Institute of Yoga



अखिल भारतीय आयुर्वेद संस्थान

ALL INDIA INSTITUTE OF AYURVEDA (AIIA)

(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Attendance for Foundation Course in yoga Science for wellness (online) 2020

no.	Name of Student	1	2	3	4	5	6	7	8	9	10
1.	BHAGYASHRI ARUN CHAKOLE	P	P	P	P	P	P	P	P	P	P
2.	PRIYANSHU CHAUDHAN	P	P	P	A	A	P	P	P	P	P
3.	POOJA VASHIST	P	P	P	A	P	P	P	A	P	P
4.	LILISHREE MEHER	A	A	P	P	P	P	P	A	P	P
5.	LAXMI RATHORE	P	P	A	A	P	P	P	P	P	P
6.	DHANANJAY KUMAR	P	P	P	P	P	P	P	P	P	P
7.	SHAVNAM CHAUDHARY	P	P	P	P	P	P	P	P	P	P
8.	BALVEER KAUR	P	P	P	P	P	P	P	P	P	P
9.	HIMANSHU GAUTAM	P	A	A	P	P	A	A	P	P	P
10.	SALMAN HASHMI	P	P	P	A	P	A	P	A	P	P
11.	SMRUTIREKHA NAYAK	P	P	P	P	P	P	A	P	P	P
12.	MANISHA CHAURASIA	P	P	P	A	A	P	P	P	A	P
13.	SWATI YADAV	P	P	A	A	A	P	P	A	P	P
14.	HARSHA RANJAN	P	A	A	A	A	A	A	P	P	A
15.	SHWETA BHANDARI	P	P	P	P	P	P	P	P	A	P
16.	KANIK Bhatia	P	P	P	A	A	A	P	P	A	A
17.	VANDANA SHARMA	P	P	A	P	P	A	P	P	P	A
18.	IQRA KHAN	P	P	A	P	A	A	A	A	P	A
19.	VIJAY KUMAR VAID	P	P	P	P	P	A	A	A	P	P
20.	AKSHAY KUMAR	P	A	A	P	P	A	A	P	P	A
21.	HEMANT YADAV	P	P	P	P	P	P	P	P	P	A
22.	KIRTI SINGHAL	P	A	A	A	A	P	P	P	P	A
23.	RAHUL N	P	P	P	A	A	A	A	A	A	P
24.	ANJU S RAJ	P	P	A	P	P	P	P	P	P	A
25.	SRIKSHI KALRA	A	A	A	P	P	P	P	P	P	P
26.	JITENDAR MEENA	P	P	A	A	A	P	P	P	P	P

गौतमपुरी, सरिता विहार, मथुरा रोड, नई दिल्ली -110076

Gautampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

E-mail: Director@aiia.gov.in Phone: 011-25542552 Fax: 011-25542553



अखिल भारतीय आयुर्वेद संस्थान

ALL INDIA INSTITUTE OF AYURVEDA (AIIA)

(आयुष मंत्रालय, भारत सरकार के अंतर्गत स्वायत्त संस्थान)

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

27	GUPTESWAR MISHRA	P	P	P	A	A	A	A	P	P	P
28	DIMPLE MEENA	P	A	A	A	P	P	P	P	A	P
29	VANDANA YADAV	P	A	A	P	A	P	P	P	P	P
30	DIPTI KABADWAL	P	P	P	P	A	A	A	P	P	P

MAL
HOD Swasthavritta

गौतमपुरी, सरिता विहार, मथुरा रोड, नई दिल्ली - 110076

Gautampuri, Sarita Vihar, Mathura road, NEW DELHI-110076

E-mail: director-aiaa@gov.in Phone: 011-29948658 Fax: 011-29948660



ALL INDIA INSTITUTE OF AYURVEDA

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Gautampuri, Sarita Vihar, New Delhi - 110076

Foundation Course in Yogic sciences for wellness 2021

Course Duration :50 hours

No Of Seats : 90(30 in each batch)

Department Of Swasthavritta & Yoga
All India Institute Of Ayurveda in Collaboration with Morarji
Desai National Institute of Yoga



ALL INDIA INSTITUTE OF AYURVEDA

(An Autonomous Organization under the Ministry of AYUSH, Govt. of India)

Gautampuri, Sarita Vihar, New Delhi - 110076

Foundation Course in Yogic sciences for wellness 2022

Course Duration :50 hours

No Of Seats : 90(30 in each batch)

Department Of Swasthavritta & Yoga
All India Institute Of Ayurveda in Collaboration with Morarji
Desai National Institute of Yoga



ALL INDIA INSTITUTE OF AYURVEDA

AN AUTONOMOUS ORGANIZATION UNDER THE MINISTRY OF AYUSH
GOVT. OF INDIA, NEW DELHI

Foundation course in Yoga Science for Wellness

Admission Notification 2021-22

Foundation Course in Yoga Science for wellness

All India Institute of Ayurveda is an apex autonomous institute under the Ministry of AYUSH, Govt. of India. The institute is having an attached referral and tertiary care super speciality hospital.

The mandate of the institute is to set highest standards of education, research, patient care and also to function as a centre for international collaboration.

Yoga is an integral part of AYUSH and is becoming very popular globally. The institute is going to organize one month "Yoga Foundation course in Yoga science for wellness" in collaboration with Morarji Desai National Institute of Yoga (MDNIY) New Delhi to offer excellent way for achieving Health, Happiness and Harmony through Yoga.

The applications are invited for 1 month Foundation course in yoga science for wellness for academic month January 2022 from eligible candidates in prescribed format, which can be downloaded along with other details from the website www.aiia.co.in

Minimum Educational qualification - 10th pass

Selection procedure - First come first serve basis

Last date for accepting the application: 05th January 2022

DIRECTOR, (AIIA)

Report: International Webinar
 in connection with
Ayurveda day 2022 Celebration: AIIA - AIST, Japan
Holistic Health and Happiness
“Merger of Teachings & Technologies”
26 October 2022, Wednesday
Time - (India: 10:30 am - 01:00 pm) and (Japan: 2:00 - 4:30 pm)

An International Webinar was organised by **All India institute of Ayurveda, Sarita Vihar, New Delhi** in association with **National Institute of Advanced Industrial Science and Technology, Japan** (CAFÉ-PIKNIKH Series 80) on 26th October 2022 starting 10:30 AM in connection with **Ayurveda Day Celebrations 2022** (23rd Oct 2022). The topic for the Webinar was- **Holistic Health and Happiness “Merger of Teachings & Technologies”**.

The Webinar started at around 10:30 AM with Welcome address by Prof. Jonah S., HOD, Dept. of Kaya Chikitsa, AIIA and Dean, International Cooperation cell for Ayurveda (ICCA), AIIA, New Delhi.

The inaugural address was delivered by Prof.(Dr.) Tanuja Manoj Nesari, Director, AIIA where she briefed the international audience about the importance Ayurveda day celebration, Ayurveda for holistic health and happiness and theme for this year’s Ayurveda Day- “Ayurveda for all ie. *Har Din, Har ghar, Ayurved*”.

Dr Yasunouri Chiba, Director, AIST, Japan briefed the audience regarding Dept. of Life Science and Biotechnology, AIST, Japan and expressed his beliefs in Ayurveda. He also highlighted the trainings and workshops done by the department under the CAFÉ and PIKNIKH series. He expressed his happiness to have this collaboration with All India Institute of Ayurveda under MOA.

Thereafter, Dr. Manoj Nesari, Advisor(Ay), Ministry of Ayush, Govt of India, addressed the audience quoting the mission of this year’s Ayurveda Day celebrations- ‘*Ayurveda every day, Ayurveda everywhere*’. With regards to the topic of the webinar, he added that ‘technology is not a replacement to teaching, but as a support to teaching. Ayurveda is knowledge for life.’ He also addressed that- ‘there are many methods described in the ancient texts of Ayurveda regarding how one should seek the knowledge/ learn Ayurveda. Following those methods will actually lead to holistic knowledge of Ayurveda’.

The following were the experts/ speakers for the Webinar:

Plenary Talk 1: Dr. Renu Wadhwa, AIST, Japan

Title - Laboratory validation of Ayurvedic principles using cell culture systems: Evidence to the anticancer activity in Ashwagandha leaves (Side benefits Vs Side effects) -10 mins.

- She is Prime Senior research scientist and Head of India –AIST DIALAB, Japan.
- She highlighted how stress and ageing are connected to a large range of diseases, cancer being deadliest of all. Aged cells are more prone to get cancer.
- She also shared the department's discoveries using cell culture system- Mortalin and CARF.
- She shared that in contrast to modern drugs that suffer from high cost, toxicity and drug resistance, ayurvedic remedies are safer, economic and promote holistic QOL.
- She presented a case on anticancer activities of Ashwagandha in 2003 and how Ashwagandha withanoloides "Withferin-A & Withanone" kill cancer cells by activating tumour suppressor protein p53 and result in cancer / tumour suppression.

Plenary Talk 2: Dr. Shinji Sugiura, AIST, Japan

Title - Next generation cell culture-based assays for validation of bioactive natural compounds and their metabolites- 10 mins

- Dr Shinji is a biochemical engineer and Deputy Head, AIST-INDIA DAILAB, AIST, Japan.
- He briefed the audience regarding human body response observed in the interconnected multi organ models and micro physiological systems (MPS).
- In addition, he depicted how a multi-organ-on-a-chip can recapitulate drug pharmacokinetics and function related to the multiple organs in human body.
- He shared his belief that the multi-organ culture platform will be an advantageous research tools for evaluation of natural compounds.

Plenary Talk 3: Dr. Shalini Rai, Assistant Prof., Dept. of Rog Nidan avum Vikriti Vigyan, AIIA

Title - Next generation cell culture-based assays for validation of bioactive natural compounds and their metabolites- 10 mins

- She highlighted the aim of Ayurveda, which is- 'Maintenance and Promotion of Health and prevention and treatment of diseases'.
- She very nicely explained the circadian rhythm and how *dincharya* and *ratricharya* routines explained in ancient texts of Ayurveda are so much synchronised with nature with is now proven scientifically too.
- Positive changes brought in our body by following Ayurvedic lifestyle and Routine-Epigenetics and how Ayurveda lifestyle practices, if adopted, can combat the lifestyle diseases and degenerative diseases generally at global level.

Plenary Talk 4: Dr. Yoshihiro Ohmiya, AIST Japan

Title - Illuminating cells for smart screening of bioactive natural compounds-10 mins.

- He is Prime Senior Researcher of Biomedical Research Institute-AIST and adjunct Professor of VISTEC in Thailand.
- He shared his experiences with luciferase, which is a powerful reporter enzyme for gene expression analysis, immune assay and imaging, using bioluminescence.
- Also, he shared a slide regarding protocol of IL-8 assay, how IL-8 Luc assay is used as an in vitro sensitisation test, real time monitoring of luciferases assay and LPS-dependent NF-kB pass way analysis.
- Advantage of this technology for validation of Ayurveda and Indian natural resources as the technology can easily and simultaneously evaluate the dose-dependency, effective time course, toxicities etc. of candidate.
- He wished to apply their system for identifying the novel bioactive compounds from Indian natural resource and clarify their bioactive mechanism.

Plenary Talk 5: Dr. Tatsunosuke Tomita, AIST Japan

Title - Circadian rhythm modulation by a rare Ashwagandha withanolide: Molecular mechanism and implication for old age - 10 mins

- He is a Senior Research Scientist at National Institute of Advanced Industrial Science & Technology (AIST), Tsukuba, Japan.
- His areas of Interest are- Cellular and Molecular Biology of Stress, Aging and Cancer, and their Intervention.
- He shared his works on Ashwagandha and proven fact that Ashwagandha has a potential to elongate circadian rhythm.
- He shared works of Jeffery C. Hall, Michael Rosbash and Michael W. Young who used fruit flies to study specific genes that control biological rhythm. Their work “Discoveries about the inner workings of biological clocks in living things” got 2017 Nobel Prize in physiology or medicine.

Plenary Talk 6: Dr. Shivakumar Harti, Dept. of Swasthyavritta, AIIA

Title – Ayurveda ahara-grains and millets -10 mins.

- He highlighted importance of a balanced diet for maintenance of a healthy body.
- Importance of small grains/millets in diet, their uses and recipes.
- Millets are gluten free food, hence a boon for gluten allergies or celiac disorders.
- Major millets include Sorghum (Yaavnala/Jowar), Pearl millet (Bajra) and Finger millet (Ragi). Foxtail millet (Kanguni), Barnyard millet (Shyamak), Kodo millet (Kodrava),

Proso millet (Cheenak), Little millet (Samai), Adlay/Job's tears (Gavedhuka) and Brown top millet constitute minor millets.

Plenary Talk 7: Dr. Motomichi Doi, AIST Japan

Title - A novel GFP-based assay for direct observation of pathogenic protein aggregates: Application for screening of functional herbs - 10 mins

- He is Senior Planning Manager, Director of Planning Headquarter Operation Evaluation Office and Concurrent post of Biomedical Research Institute.
- He explained direct observation of pathogenic protein aggregation using a novel GFP-based assay system and its application to herbs.
- Novel method to visualize and monitor A β dynamics in living cells.
- Screening scheme for A β - aggregation inhibitors from herbs.

Plenary Talk 8: Dr. Tomoyo Ochiishi, PhD, AIST Japan

Title - A new mouse model of Alzheimer's disease to analyze the toxicity of amyloid β oligomers - 10 mins

- She is a Senior Researcher, Molecular Neurobiology research group, Biomedical Research Institute.
- She briefed the audience regarding ayurvedic medicinal plants for treatment of Dementia such as *Ashwagandha*, Turmeric, *Bhrami*, *shankhpushpi* etc.
- She spoke on Oligomer hypothesis- soluble A β oligomers cause synaptic dysfunction prior to overt neuro degeneration at synapsis.
- At last she concluded that- the A β - GFP transgenic mouse is a useful tool for studying how Ayurvedic medicines works to prevent AD and stop early symptoms.

The program was followed by Panel discussion – India HOD's AIIA & Members from AIST (Coordinators: Dr. Sunil Kaul, AIST, Japan and Dr. Rajagopala/Dr Galib, AIIA) and questions were raised by Dr. Sunil Kaul on behalf of AIST team which were addressed by Prof.(Dr.) Tanuja Manoj Nesari, Director, AIIA and Dr Rajagopala, HOD, Dept. of Paediatrics and coordinator on behalf of AIIA.

Special Address was delivered by Director General Life Science & Biotechnology, AIST Japan: Dr. Tomohiro Tamura.

On behalf of AIST team, **Dr. Sunil Kaul** thanked all the participants. **Dr. Galib, Associate Prof., Dept of Ras Shastra and Bhaishajya Kalpana, AIIA** delivered vote of thanks on behalf of AIIA team, to the organisers and participants who spared their valuable time in attending the webinar.

Dr. Rajagopala S, Head, Department of Kaumarbhritya and Associate Dean, ICCA, AIIA who acted as the coordinator for the program, thanked all the participants for their valuable time and efforts and contribution in making this Ayurveda Day program a success.

[illegible]

Report: Visit & Guest Lecture by Dr. Renu Wadhwa,
AIST-INDIA DAILAB, Japan
on
“Molecular link between Stress, Ageing and Cancer”
30 September 2022, Wednesday, 2:30 PM

Dr. Renu Wadhwa, Prime Senior Scientist & Head, AIST-INDIA DAILAB, Japan along with Dr. Sunil Kaul, Chief Senior Research Scientist, AIST, Japan visited All India Institute of Ayurveda, New Delhi to discuss regarding the proposed AYUCENTRE project, AIST-INDIA DIALAB, Japan between AIIA, AIST- Japan and three other sister DIALABS i.e. IIT- Delhi, IIT- Guwahati and Rajiv Gandhi University, Arunachal Pradesh and for a guest lecture of Dr. Renu Wadhwa on ‘Molecular link between Stress, Ageing and Cancer’. They arrived as per schedule and were welcomed by Dr. Rajagopala, Dean, Research and Associate Dean, ICCA, AIIA.

A detailed discussion regarding the proposed AYUCENTRE project between AIIA and AIST, Japan, was held between the AIST team and Director, AIIA along with Dr. Rajagopala S. The guest lecture was scheduled at mini auditorium, ground floor, Academic block, AIIA. It started at 2:30 PM with welcome of the guest by Green Welcome and address by Prof. Tanuja Nesari, Director, AIIA. The lecture was attended by HOD's of the departments, and PG-PhD scholars enthusiastically.

Dr. Renu Wadhwa, AIST, Japan delivered her lecture sharing her department's discoveries on cell culture system- Mortalin and CARF. She highlighted how stress and ageing are connected to a large range of diseases, cancer being deadliest of all. Aged cells are more prone to get cancer. She also covered following points in her lecture:

- Population doubling of Normal cells and Cancer cells
- Clinical relevance: Genomic amplification of CARF in various cancers
- CARF- upregulated in aggressive and metastatic cancers
- Building knowledge on the role of Mortalin and CARF in human carcinogenesis
- Intervention by nutraceuticals such as Bitter cucumber, Ashwagandha, Amla etc.

It was an interactive and very informative session with equal participation from both the sides.

At the end of the program, Dr. Rajagopala S., thanked the guests for their visit. The guests were honoured with a memento, on behalf of All India Institute of Ayurveda (AIIA), India.



Discussion regarding proposed AYUCENTRE
Proposal



Green Welcome of Guests



Green Welcome of Guests



Lecture by Dr. Renu Wadhwa



The participants at lecture



Felicitatation of Guests
