

Centre for Research
Maitreyi College, University of Delhi

Summer Internship programme, 2020-21

Research Projects carried out under Summer Internship Programme, 2020-21

S. No.	Code	Department	Title of proposal	Mentors	Mentees
1	SIP20-21/01	Botany	An Insight into Application of Land Use Land Cover Analysis towards Sustainable Agriculture within Jhajjar district	Dr. Pooja Baweja and Ms. Priyadarshini Singh	Jyoti Singh, Neha, Mansi (Botany Hons 2nd yr); Isha Arya (Botany Hons 1st yr)
2	SIP20-21/02	Chemistry	In-silico study of Pesticides for the binding of Calyx of Bovine β -Lactoglobulin	Dr Lata vodwal and Dr Durgesh Kumar	Tanishka Pal, Charu Gupta (Chemistry 3rd yr); Kirti, Rishika Arya (Life Science 2nd yr)
3	SIP20-21/03	Chemistry	Functionalized nano biopolymer for designing of sustainable crop protection formulations	Dr Gazala Ruhi, Dr Hema Bhandari and Dr Rajni Johar	Riya Nimbekar, Sakshi Maam, Sakshi Rajain, Leesha, Diksha, Rupa Adhikari (Chemistry Hons)
4	SIP20-21/04	Commerce	Optimizing The Consumption Of Products Of Petroleum Industry: An Approach Towards Agricultural Sustainability	Dr Sonal Babbar	Vaishnavi Rastogi, Khushi, Bhawna Saini
5	SIP20-21/05	Commerce	Food Security, Sustainability and Markets: Understanding the Protest of Farmers against Laws	Dr. Saroj Rani	Soumyata Katiyar and Shaivy Pulak (BA P 1st yr)

6	SIP20-21/06	Commerce	Exploring the sustainable future of Handlooms : A dive into its raw materials market, exports, growth and prospects	Ms. Kritika Khurana	Nandika Monga and Vani Shukla (B.Com Hons. 2 nd year)
7	SIP20-21/07	Economics	WOMEN EMPOWERMENT AND SUSTAINABLE AGRICULTURE : SYNERGIES AND MISSING Links	MS. Nidhi Chand	SEJAL SURI, AKANKSHA YADAV (Economics Hons. 1st yr)
8	SIP20-21/08	Economics	Organic Farming and Sustainable Development	N. Shradha Varma	Sagarika Rastogi and Prerna Agarwal (Economics Hons. 1st yr)
9	SIP20-21/09	Economics	Indigenous knowledge, new age modernism to achieve sustainable agriculture and its impact on farmers	N. Shradha Varma	Diya Nagpal and Risha Sinha (1st year- Economics Hons.)
10	SIP20-21/10	Economics	Implementation gaps in Sustainable Agriculture (New Title: Implementation Gaps in Sustainable Agriculture: An Analysis of the Indian States Uttar Pradesh and Bihar)	N. Shradha Varma	Nandini and Jigisha Sharma (Economics Hons 1st yr)
11	SIP20-21/11	Economics	<i>Rebound agriculture - Traditional techniques for contemporary needs</i>	N. Shradha Varma	Geet Nakra and Yashita Srivastava; Economics Hons 1st yr
12	SIP20-21/12	Economics	ECONOMIC CHALLENGES IN WIDE-SCALE ADOPTION OF SUSTAINABLE AGRICULTURAL PRACTICES IN INDIA	Ms Devangana Jha	Vaanya Bhalla And Nandini Singhal; Economics Hons 1st yr
13	SIP20-21/13	Economics	Socio - Economic Issues of Sustainable Agriculture in India	Dr. Priti Mendiratta Arora and Dr. Aruna Grover	Vanshika Gulia and Laxmi Kumari Mahato (BA P)

14	SIP20-21/14	Economics	APMC Act (New Title: The Impact of APMC Amendment Act on Agribusiness and Farmers' Welfare)	Dr Preeti Mendiratta Arora	Eshna Jain and Priyal Nanda
15	SIP20-21/15	English	Recognition of the Role of Agriculture in Assamese Society: A Study of Culture, Folklore and Cinema	Dr Richa Chilana	Debangi Kashyap, Pratikshya Parashar (English Hons 2nd yr)
16	SIP20-21/16	English	Women in Premchand's Rural Settings: Negotiating Tradition and Modernity	Dr Richa Chilana	Riya Arora and Anjali Sharma (English Hons 2nd yr)
17	SIP20-21/17	Maths	Sustainable Production of Rice in West Bengal: A Mathematical Model of Rice Growth	Dr. Neetu Arneja and Mr. Saurav Kumar	Anmoldeep, Sunidhi Chadha, Saloni, Sunanda (Maths 1st & 2nd yr)
18	SIP20-21/18	Physics	Preparation of structured water and study of its role in quality improvement of plants	Dr. Parul Yadav, Dr Shalini Lumb Talwar	Ms. Gunjan, Ms. Bhawna, Ms. Neha (Physics Hons 2nd year); Ms. Rishika Mittal (Physics Hons 1st yr)
19	SIP20-21/19	Physics	Design of Hydroponics system using Arduino to monitor physical parameters required for plants growth	Dr. Parul Yadav and Dr. Mansi Dhingra,	Vishakha (Physics Hons 3rd yr); Sneha, Ms. Tamanna, Ms. Tanu (Physics Hons 2nd yr)
20	SIP20-21/20	Physics	Aquaponics- A Method Towards Sustainable Agriculture	Dr. Prajwalit Shikha	Simrat Kaur : B.Sc.(H) Physics- I Year (Sem-II); Khushi Poonia and Anchal Pandey (Physics 2nd yr)
21	SIP20-21/21	Sanskrit	Vedic Farming: A Boon to Indian Agriculture	Dr Rekha Kumari	Niharika Khurana; BA Hons Sanskrit 2nd yr
22	SIP20-21/22	Sociology	Interrogating the idea of 'sustainable culture' and its impact in India	Dr Rashi Bhargava	Amrata Yadav and Muskan Shrestha; BA Prog 2nd yr
23	SIP20-21/23	Sociology	Sustainable agriculture and irrigation methods. -a case study of	Mr Pawan Harsana	Sanyukti Dewan and Sneh Thappa

			Kangra district, Himachal Pradesh, India.		
24	SIP20-21/24	Sociology	Minimum Support Price Conundrum and Sustainable Farming: a study of the impact of socio-economic factors on sustainable agriculture	Mr Pawan Harsana	Vanshika and Sanjana (Sociology Hons 1st yr)
25	SIP20-21/25	Zoology	Review Based Analysis of Modern Farming in Sustainable Agriculture	Dr Luni and Dr Tejendra Kumar	Megha Lakhera, priya (Life Science 3rd yr); Versha Aggarwal (Zoology Hons 1st yr); Prashansa (Life Science 1st yr)
26	SIP20-21/26	Zoology	Ladybird beetles as biocontrol agents: their contribution in sustainable agriculture	Dr Meena Yadav	Anshu Rana and Garima (Zoology Hons 2nd yr)
27	SIP20-21/27	Interdisciplinary (Chemistry and Botany)	To monitor the growth of plants using bio-organic approach for Sustainable agriculture	Dr. Kiran Soni, Dr. Gita Batra Narula, Dr. Alka B Vadakan, Dr. Shweta Sharma,	Prerna Notnani, Kanika Gandhi, Richa Agarwal, Urvashi Joon, Nancy Ghai, Prachi (Chemistry Hons 1st & 2nd yr)
28	SIP20-21/28	Interdisciplinary (Maths & Comp Sci)	IoT-based smart farming for sustainable agriculture in India	Ms. Geetan Manchanda and Dr. Shikha Badhani	Aadi Lochab and Bhumika Papnai (B.Sc (H) Maths IV Sem)
29	SIP20-21/29	Interdisciplinary (Chemistry & Botany)	"Polymeric 'Smart Nuribots' for Sustainable Aquaponics Agriculture"	Dr. Swarndeeep Kaur Sethi; Dr Kiran soni and Dr Geeta Batra Narula Dr Pooja Baweja	Charu Gupta, Shivangi Saini (Chemistry hons 3rd yr); Divya Bisht (Chemistry Hons 1st yr); Padmaakshi Chakravartty, Rupika Gaba, Shreya Rawat (Life Science 2nd yr)

30	SIP20-21/30	Computer Science	An Integrative Approach towards Recommending Farming Solutions for Sustainable Agriculture	Dr Veena Ghuriani & Dr Jyotsna Talreja Wassan	Pragya Deolal (BA P 3rd yr); Vidushi Sharma, Dimpy Dalal, Aditi Goyal, (Economics Hons 2nd yr);
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Prof. Haritma Chopra

Offg. Principal and Coordinator (CFR)