

Sub Component 1: Centre for Agriculture Research and Innovation (Rs 15 Cr.)

Details for Research Projects Allocated (Total No. = 08)

Project No.	Department	Name of PI/Co-PI	Name of the Project	Amount Sanctioned (Rs. In Lacs)
1	Biotechnology Chemistry	Dr. P.K. Pati (PI) Dr. Varinder Kaur (Co-PI)	Development of elite cultivars of <i>Withania somnifera</i> and its Rapid Multiplication using Biotechnological Approaches	15.00
2	Botany	Dr. Adarsh Pal Vig (PI) Dr. Jaswinder Singh (Co-PI) Dr. (Mrs.) Rajinder Kaur (Co-PI)	Vermicompost of Cocoonut Coir waste as a valuable organic fertilizer and biocontrol agent: Effect on growth, yield and quality of plants	15.00
3	Food Science	Dr. H.S. Gujral (PI)	Effect of processing on millet digestibility, bioactive components and utilizing them in functional multi grain blends with commercial application.	13.03
4	Food Science	Dr. N.S. Sodhi (PI) Dr. Bhavinta Dhillon (Co-PI)	Application of EMG to develop new food products for inclusion in the diets of dysphagia patients and to study its effect on the gut microbiome	15.00
5	Microbiology	Dr. B.S. Chadha (PI)	Utilization of agro-residues for production of lignocellulosic enzymes, xylo-oligosaccharides and ethanol using novel approaches	15.00
6	Microbiology	Dr. Rajesh Kumar (PI)	Development of Streptomyces bio-formulation for plant protection from phytopathogens and improvement of plant growth	15.00
7	Zoology	Dr. Puja Ohri (PI)	Isolation and Identification of Indigenous Entomopathogenic Nematodes of Amritsar to evaluate their biocontrol potential against important insect pests	15.00
8	Zoology	Dr. Saneedee Kaur (PI)	Exploring endophytic micro-organisms for biological control of insect pests	15.00
Total				118.03

Deputy Registrar (Finance)
Guru Nanak Dev University
Amritsar

Harjit Singh
AR-14

Superintendent
Accounts Branch (Grant Section)
Guru Nanak Dev University
Amritsar

Sub Component 2: Centre for Basic and Transitional Research in Health Sciences (Rs.10 Cr.)
The Details of the Allocated Research Projects (Total No. = 15)

Project No.	Department	Name of PI/Co-PI	Name of the Project	Amount Sanctioned (Rs. In Lacs)
1	Botany	Dr. Suroj Arora (PI) Dr. Balbir Singh (Co-PI) Dr. Neena Bedi (Co-PI)	Modulatory effect of 4-methylthiobutyl isothiocyanate on expression of pro-apoptotic markers in cell culture model: Its mechanistic evaluation through pharmacokinetic studies	15.00
2	Biotechnology	Dr. P. C. Mishra (PI) Dr. Rachna Hora (Co-PI)	Exploring potential of Fractalkine binding peptides for suppressing SLE	15.00
3	Chemistry	Dr. Kamaljit Singh (PI) Dr. Paramjit Kaur (Co-PI)	Design and Development of Antiparasitic Drugs	15.00
4	Chemistry	Dr. Prabhpreet Singh (PI) Dr. Subodh Kumar (Co-PI)	Optical Targeting of Biogenic Amines and Biohols : Translation to the Point-of-Care Testing (POCT) platforms with low-resource applications	15.00
5	Human Genetics	Dr. Anupam Kaur (PI) Dr. Tajinder Kaur (Co-PI)	To understand the genetic basis of polycystic ovary syndrome : A molecular genetics and metabolite profiling approach	15.00
6	Human Genetics	Dr. Kamlesh Guleria (PI) Dr. Vasudha Sambyal (Co-PI)	The Implications of VEGF, VEGFRs in Esophageal Cancer Risk and Therapy	15.00
7	Human Genetics	Dr. Manpreet Kaur (PI) Dr. Jatinder Singh (Co-PI)	Alterations in Cervico-vaginal Microbiome along with Immunomodulations in Cervical Cancer	15.00
8	Human Genetics	Dr. Sanjana Mehrotra (PI) Dr. Vanita (Co-PI) Dr. Tejwant Singh (Co-PI)	Analysis of pathways linked to aggression and resistance in prostate cancer: A genomics and transcriptomics approach.	15.00
9	Microbiology	Dr. Sukhraj Kaur (PI) Dr. Amargreet Kaur (Co-PI)	Evaluation of anti-diabetic potential of human lactobacilli having alpha-glucosidase and anti-inflammatory properties	15.00
10	Mol. Bio. & Bio.	Dr. Gagandeep Kaur (PI) Dr. Venus Singh (Co-PI)	Identification and Characterization of Novel Sperm Proteins responsible for Sperm-Egg Interactions: An Integrative Approach	15.00
11	MYAS-GNDU	Dr. Shweta Shenoy (PI) Mr. Shrinivas Rao (Co-PI)	The Effect of an acute bout of high intensity intermittent exercise on neural growth factor related to cognition in young adults : Gender differences	15.00

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12	Pharm. Sci.	Dr. Rajbir Bhatti (PI) Dr. Palwinder Singh (Co-PI) Dr. M.S. Bhatti (Co-PI)	Understanding the Inflammatory Pathways and Development of Target Oriented Natural and Synthetic Compounds as Analgesic/Anti-inflammatory Agents	15.00
13	Pharm. Sci.	Dr. Subheet Jain (PI) Dr. Sarwinderjeet Kaur (Co-PI)	Development of Nano-formulations of anti-cancer drug spray drying technology and evaluating its anti-cancer activity in Primary Cell Cultures	15.00
14	Drug & Pollut. Testing Lab	Dr. PMS Bedi (PI) Dr. Sarbjit Kaur	Development of Different Analytical Methods for the Testing of Various Phyto-constituents in Drug Testing Laboratory	15.00
15	Psychology	Dr. Davinder Singh (PI) Dr. B.S. Bal (Co-PI)	Effects of Training Interventions on CNS Vital Signs, Cornell Medical Index (CMI) and Mental Skill in Young Indian People	13.05
				223.05

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Guru Nanak Dev University
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Amritsar
Superintendent

Sub Component 3 : Centre for Sustainable Habitat (Rs. 10 Cr.)
Detail of Research Projects Allocated for Centre for Sustainable Habitat (Total No. = 11)

Project No.	Department	Name of PI/Co-PI	Name of the Project	Amount Sanctioned (Rs. in Lacs)
1	Architecture	Dr. Karanjit Chahal (PI) Dr. Kuljit Kaur (Co-PI)	Built Heritage and Sustainability: Devising the Evaluation Criteria for Built Heritage for Indian Cities	15.00
2	Chemistry	Dr. Inderpreet Kaur (PI) Dr. Avinash K. Nagpal (Co-PI)	Fabrication of Sensing Devices and their Applications for Trace Level Detection of Heavy Metals/Metalloids in Environment	15.00
3	Botany	Dr. Rajinder Kaur (PI) Dr. Ritubala (Co-PI)	Monitoring of Pollution Load of Pond Ecosystems of Villages of Punjab and Their Restoration Measures	13.90
4	Botany	Dr. Renu Bhardwaj (PI) Dr. Amritpal Singh (Co-PI)	Establishment of Herbal Garden for Conservation of Medicinal Herbs subsequently leading to Awareness and Income Generation among local populations	15.00
5	Chemistry	Dr. Vandana Bhalla (PI) Dr. Manoj Kumar (Co-PI)	Supramolecular Materials: Toward Sustainable Sensors and Catalytic Systems	15.00
6	Elect. Tech.	Dr. Shalini Bahel (PI) Dr. Jatinder Kaur (Co-PI)	Cytotoxic and genotoxic effects of electromagnetic radiations using <i>Trigonella foenum-graecum</i> test system	15.00
7	GRD Sch. of Plg.	Dr. Ashwani Luthra (PI) Ms. Ritu Raj Kaur (Co-PI)	Sustainability Concerns and Liveable Environment: Case Study of GNDU Campus Amritsar	15.00
8	Microbiology	Dr. H.S. Saini (PI) Dr. Pooja Chadha (Co-PI)	Developing rhizo-remediation based waste water treatment protocols to improve the treatment efficiency of waste water treatment plant of GNDU, Amritsar	15.00
9	Physics	Dr. Aman Mahajan (PI) Dr. Vipan (Co-PI)	Energy harvesting under direct/diffuse sunlight and indoor condition for sustainable habitat	15.00
10	Physics	Dr. Anupinder Singh (PI) Dr. Parambr Singh Mahi (Co-PI)	Environment Friendly Energy Efficient Materials for Modern Refrigeration	14.50
11	Physics	Dr. B.S. Bajwa (PI) Dr. Sandeep Sharma (Co-PI)	High Prevalence of Uranium and Radium in groundwater in Bathinda, Mansa, Moga and Barnala districts of SW-Punjab: Distribution, Source Determination, Risk Assessment and Remediation Studies	15.00
Total				163.40

Deputy Registrar (Finance)
Guru Nanak Dev University
Amritsar

Mansoor Ali (H)

Accounts Section
Guru Nanak Dev University
Amritsar

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Dr. Pratik Kumar Pati
Coordinator

Guru Nanak Dev University, Amritsar
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Dr. Aman Mahajan (PI)
Department of Physics
GNDU, Amritsar

3313/DAA
21/10/2020

Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Detection and Decontamination of toxic gases and volatile organic compounds" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 10 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.

Prof. (Dr.) P.K. Pati
Coordinator
Golden Jubilee Centre for
Entrepreneurship and Innovation

Deputy Registrar (Finance) Arora (A)
Guru Nanak Dev University
Amritsar

Superintendent
Accounts Branch Grant Section
Guru Nanak Dev University
Amritsar

Prof. (Dr.) S.S. Behl
Dean Academic Affairs
Nodal Officer RUSA 2.0

Copy to:
Dr. Bindiya Arora (Co-PI), Department of Physics, GNDU, Amritsar
Vice Chancellor Office
Dean Academic Affairs Office
Registrar Office
Deputy Registrar (Finance)
Grants Section

Email-id: coordinator.gjcei@gndu.ac.in; Mobile: 9915091910; Ph: 0183-2258802-09, Extn: 3223

21/10/20

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Coordinator

Guru Nanak Dev University, Amritsar
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Dear Dr. Varinder Kaur (PI),
Department of Chemistry
GNDU, Amritsar

3307/DAA
21/10/2020

Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Fabrication of Biodegradable Hybrid Bamboo Origin Material Spilled Oil Cleanup Applications" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 10 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.

Prof. (Dr.) P.K. Pati
Coordinator
Golden Jubilee Centre for
Entrepreneurship and Innovation

DR (F) AR (A)
Deputy Registrar (Finance)
Guru Nanak Dev University
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(Dr.) Pratap Kumar Pati
Coordinator


Dear Dr. H.S. Gujral (PI),
Department of Food Science and Technology
GNDU, Amritsar

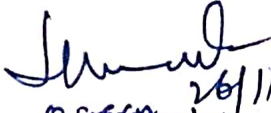
3301/DAA
21/10/2020

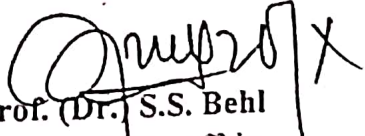
Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Application of hurdle technology to improve traditional Murabba making process" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 8.92 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.


Prof. (Dr.) P.K. Pati
Coordinator
Golden Jubilee Centre for
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Deputy Registrar (Finance)
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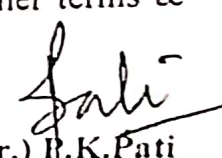
Prof. (Dr.) Pratap Kumar Pati
Coordinator

3295/DAA
21/10/20

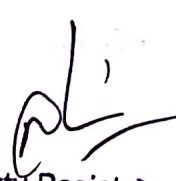
Dear Dr. Maninder Kaur (PI)
Department of Food Science & Technology
GNDU, Amritsar

Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Development of low cost edible straws fortified with herbal extracts from agriculture/food industry wastes" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 10 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.



Prof. (Dr.) P.K. Pati

Coordinator
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Prof. (Dr.) S.S. Behl
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Deputy Registrar (Finance)
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Email Id: coordinator@gnau.ac.in

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Dr. Pratap Kumar Pati
Coordinator

Dear Dr. Shweta Shenoy (PI)
Department of sports sciences and medicine
GNDU, Amritsar

3282/DAA
21/10/20

Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Artificial Intelligence (AI) Powered Healthcare" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 10 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.

Prof. (Dr.) P.K.Pati
Coordinator

Golden Jubilee Centre for
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Prof. (Dr.) S.S. Behl
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Copy to:
Dr. Seep Sonali (Co-PI), Department of sports sciences and medicine.
GNDU, Amritsar
Vice Chancellor Office
Dean Academic Affairs Office
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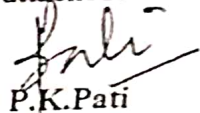
(Dr.) Pratap Kumar Pati
Coordinator

Dear Dr. Manpreet Singh Bhatti (PI)
Department of Botanical and Environmental Sciences
GNDU, Amritsar

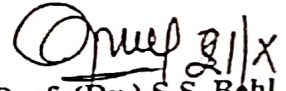
3282/DAA
21/10/20

Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Advanced Septic Tank for Wastewater Treatment" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 9.99 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.


Prof. (Dr.) P.K. Pati
Coordinator
Golden Jubilee Centre for
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Dear Dr. Neena Bedi (PI)
Department of Pharmaceutical Sciences
GNDU, Amritsar

3276/DAA
21/10/20

Subject: Award letter for the GJCEI- Innovation project.

Kindly refer to your concept note titled "Smoker's lips treatment using natural lip care products" presented before the evaluation committee through online mode in its meeting held on August 24, 2020. I am pleased to inform you that your concept note has been recommended for funding by the expert committee and the same has been approved by the competent authorities of the University. The budget submitted by you for this proposal (Rs. 10 lakh) has also been approved. The timeline submitted in the detailed project report should be strictly followed. The appointment of manpower in the project is up to 31/03/2021 and can be extendable as per the availability of grant and permission of the competent authority. You are requested to kindly initiate and expedite the activities/process of manpower recruitment/ purchase of instruments/chemicals & consumables in accordance to the approved budget (copy attached). The other terms & conditions for smooth execution of the project are attached.

Prof. (Dr.) P.K.Pati
Coordinator
Golden Jubilee Centre for
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Prof. (Dr.) S.S. Behl
Dean Academic Affairs
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