

**HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN**

**Ph.D. Admission 2021 Student's Title**

**BOTANY**

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	BOTANY	PRAJAPATI DIMPALBEN BABUBHAI	DR. A. H. PATEL	Micropropagation and phytochemical analysis of some selected endangered medicinal plants.
2	Science	BOTANY	BHATT EKTABEN CHANDRAKANT	DR. A. H. PATEL	The impact of UV-irradiation on in vitro culture production of secondary metabolites of selected medicinal plants.
3	Science	BOTANY	THAKOR MAITRIBEN MANGALJI	DR. A. H. PATEL	The study of immunomodulators and screening of phytoconstituents of some indigenous plants useful in lung diseases found in Mehsana district, Gujarat.
4	Science	BOTANY	PARMAR SONALIBEN MAHENDRABHAI	DR. A. H. PATEL	Phytochemical screening of some selected medicinal plants for antimicrobial and anticancerous activities.
5	Science	BOTANY	DAVE SHRUTIBEN KAMLESHKUMAR	DR. C. V. JHA	Study of biosynthesis and bio potential of silver nano particles using micro organisms isolated from selected medicinal plants.
6	Science	BOTANY	SHETH HEMANGIBEN JIGNESHKUMAR	DR. C. V. JHA	Green fabrication of silver nanoparticles from red marine algae and their biological applications.
7	Science	BOTANY	PATEL RAJ BHUPENDRABHAI	DR. C. V. JHA	Studies on the development of bioplastic from some marine algae and its future aspects.
8	Science	BOTANY	VAGHELA KAJALBEN RAJESH SINH	DR. C. V. JHA	Studies on biodiversity, physicochemical and phytochemical analysis of fresh water algae collected from Talod taluka, North Gujarat.
9	Science	BOTANY	CHARAN KAVITA KISHOREDAN	DR. DIPIKA CHANDAWAT	Formulation of sustainable plant based organic fertilizer: To enhance plant health and balancing agro-ecosystem.
10	Science	BOTANY	DIXIT KUNJAL MANOJKUMAR	DR. DIPIKA CHANDAWAT	Impact of Hawan ash on soil and its effect on health of horticulturally important plant.
11	Science	BOTANY	PATEL HAPPY ISHWARBHAI	DR. DIPIKA CHANDAWAT	An investigation of Hawan derivative sacred ash in hindu ritual and its applications to mankind.
12	Science	BOTANY	SHUKLA SAMARTH RAJENDRABHAI	DR. H. M. ANT	Mass-production of microtubers from biotic and abiotic resistant cultivars of potato ( <i>Solanum tuberosum</i> L.) under in vitro conditions.
13	Science	BOTANY	CHAUDHARI VILAS JAYANTIBHAI	DR. H. M. ANT	Assessment of carbon storage and sequestration potential by tree species occurs in Balaram-Ambaji sanctuary.
14	Science	BOTANY	THAKAR SHIVANI BHAVESHBHAI	DR. H. M. ANT	Phytochemical and antimicrobial activity of selected medicinal plants of Banaskantha district, Gujarat for curing skin disease.
15	Science	BOTANY	JOSHI BHOOMI RAJANIKANT	DR. I. C. PATEL	Phytochemical, antioxidant and antimicrobial studies of some <i>Desmodium</i> species.
16	Science	BOTANY	PATEL MITUBEN JAYESHBHAI	DR. I. C. PATEL	Biosynthesis and characterisation of silver nanoparticles using sea weeds from Gujarat coastal area.
17	Science	BOTANY	BIHARI SHAKIBKHAN SAMSHERKHAN	DR. J. S. PATEL	Floristic study on weed plants of Palanpur taluka and some phytochemical studies of selected weed plants.

18	Science	BOTANY	MANSURI RUHMABANU NYAZMAHAMMAD	DR. J. S. PATEL	Studies on organic & inorganic fertilizers on phytochemical and antimicrobial properties of selected beans.
19	Science	BOTANY	PURANI KULDIPKUMAR ATMARAM	DR. J. S. PATEL	Risk assessment of invasive plants invasion of natural ecosystem of Bichhiwara Forest range of Dungarpur division, Rajasthan.
20	Science	BOTANY	LIMBODARIYA HIMANSHU JAYANTILAL	DR. K. C. PATEL	Studies of Natural regeneration of some tree species in natural forests of district Aravalli, Gujarat.
21	Science	BOTANY	PANDYA HARSHBHAI JAGDISHBHAI	DR. K. C. PATEL	An investigation on angiosperm diversity of Ved forest in Rajasthan state.
22	Science	BOTANY	DARJI JIGISHABEN SURESHBHAI	DR. K. C. PATEL	Phytomediated synthesis of zinc oxide nanoparticles using some plants of Acanthaceae family: characterization and evaluation of their antimicrobial activity
23	Science	BOTANY	JOSHI PRAGATI JANAKBHAI	DR. N. B. PATEL	Plant resource survey of Hingolghat nature Sanctuary of Rajkot district in Saurashtra.
24	Science	BOTANY	PATEL SHEETAL VIRCHANDBHAI	DR. N. B. PATEL	Survey of traditionally used formulation and its scientific validation for anticancer activity in cancer cells.
25	Science	BOTANY	PARMAR RAHULKUMAR SUKHAJI	DR. N. B. PATEL	Biomass characterisation of some agro residues and invasive plant species for their sustainable uses as bioenergy.
26	Science	BOTANY	KAPADIYA DHARUVINA VITTHALBHAI	DR. N. K. PATEL	Database preparation on pesticide used by farmers on agriculture crops of Mehsana taluka, Gujarat.
27	Science	BOTANY	PRAJAPATI KARISHMA VIJAYBHAI	DR. R. G. PATEL	Enhance phytoextraction of heavy metal by hyperaccumulator and non hyperaccumulator.
28	Science	BOTANY	SHAH BHOOMI ANILKUMAR	DR. R. G. PATEL	Studies on allelopathic effects of some selected weeds on physiological and biochemical parameters of selected crops.
29	Science	BOTANY	PARMAR ARCHANABEN HASMUKHBHAI	DR. R. G. PATEL	Antioxidant enzymes and metabolites activity in egg plant ( <i>Solanum melongena</i> L.) exposed to cobalt and lead stress.
30	Science	BOTANY	PANCHAL RIPAL BABUBHAI	DR. R. G. PATEL	Evaluation, potential and in silico study of propolis.
31	Science	BOTANY	PATEL PRAPTI RAMJIBHAI	DR. S. D. VEDIYA	Study of selected wetland for water resources management and aquatic flora for conservation in Modasa taluka, Gujarat, India.
32	Science	BOTANY	NINAMA SURBHI BIPINCHANDRA	DR. S. D. VEDIYA	Study of selected lakes for water management system and conservation strategies and aquatic flora of Gandhinagar district.
33	Science	BOTANY	PARIKH VISHAL CHANDRAKANTBHAI	DR. S. D. VEDIYA	Evaluating the properties of <i>anogeissus</i> species, phytochemicals for antibacterial and anticancerous properties.
34	Science	BOTANY	PANCHAL BALDEVBHAI VELABHAI	DR. S. D. VEDIYA	Studies on ecological significance of aquatic flora diversity and physico-chemical value of water from Kankrej taluka from Banaskantha district, North Gujarat.
35	Science	BOTANY	CHAUHAN MOHINEEBEN DINESHBHAI	DR. S. D. VEDIYA	Study of selected lakes for water management system and conservation strategies and aquatic flora of Bhiloda taluka, Aravalli district.
36	Science	BOTANY	PATEL GIRISHKUMAR BHAGVANBHAI	DR. V. A. PATEL	A study of taxonomy and phytosociology of tree species in selected taluka of Banaskantha district, North Gujarat.

37	Science	BOTANY	PATEL KARTIKKUMAR BHAGVANDAS	DR. V. A. PATEL	Floristic diversity of Vav and Tharad taluka of Banaskantha district, Gujarat.
38	Science	BOTANY	MAKWANA MEHULKUMAR CHUNILAL	DR. V. A. PATEL	Floristic and phytosociological study of climber species in selected taluka of Banaskantha district (North Gujarat).
39	Science	BOTANY	PARMAR INDRAVIJAYSINH RAJENDRASINH	DR. V. A. PATEL	Comparative analysis of vegetation from forest area of Danta taluka.
40	Science	BOTANY	PATEL DHARMISHTHABEN SOMABHAI	DR. V. A. PATEL	Pharmacognostical, phytochemical and pharmacological studies of <i>Ephedra</i> species in North Gujarat.

#### BIO-TECHNOLOGY

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	BIOTECHNOLOGY	NAVODITA NAGAR	DR. ASHISH PATEL	Exploring phytochemicals of some traditional therapeutic medicinal plants for antidiabetic potential and in-silico evaluation.

#### CHEMISTRY

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	CHEMISTRY	PATELIYA TUSHAR PARSHOTTAMBHAI	DR. G. R. JANI	Synthesis, characterization and evaluation of antimicrobial activity of some bioactive heterocyclic compounds.
2	Science	CHEMISTRY	PATEL SHITALBEN YASHVANTKUMAR	DR. G. R. PATEL	Study on antimicrobial activity of some new heterocyclic compounds.
3	Science	CHEMISTRY	KHORJIYA ATAMAHAMMAD SHARIFBHAI	DR. G. R. PATEL	Photochemical and biological studies of some lanthanide complexes.
4	Science	CHEMISTRY	LIMBACHIYA PRUTHVIRAJ SURESHKUMAR	DR. J. J. VORA	Design, fabrication and application of material based on chemically modified chitosan.
5	Science	CHEMISTRY	MARADIYA MOHYUDDIN ABDULBHAI	DR. J. J. VORA	Synthesis and characterization of chemically modified polysaccharide based nano-biocarrier in drug delivery system.
6	Science	CHEMISTRY	CHAUDHARI ASHABAHEN FALJIBHAI	DR. K. A. PARMAR	Study on Azelic quaternary amine compounds loaded montmorillonite nanoemulsion with expanded graphite and its biological activity.
7	Science	CHEMISTRY	PATEL URVESHKUMAR AMRUTBHAI	DR. K. A. PARMAR	Formulation of water born polymeric graphene metal oxides composites and application.
8	Science	CHEMISTRY	PRAJAPATI JAYKUMAR DINESHBHAI	DR. K. N. PATEL	Photocatalytic degradation of dye using some synthesized metal oxide Nanoparticles
9	Science	CHEMISTRY	BAROT POOJA HASMUKHBHAI	DR. K. N. PATEL	Synthesis, characterization and antimicrobial activities of some schiff bases and their metal complexes.
10	Science	CHEMISTRY	PRAJAPATI RASHMIN KIRTIBHAI	DR. K. N. PATEL	Green synthesis and characterisation of metal oxide nanoparticles and applications.
11	Science	CHEMISTRY	CHAUDHARY PRAVINBHAI LAXMANBHAI	DR. L. S. BHUTADIYA	Studies on photocatalytic degradation of toxic and hazardous organic compounds.
12	Science	CHEMISTRY	PATEL YOGESHKUMAR BECHARBHAI	DR. M. K. THAKOR	Design, synthesis and biological activity studies of isoniazid derivatives.
13	Science	CHEMISTRY	JOSHI PRIYANKA PANKAJKUMAR	DR. M. P. BRAHMBHATT	Synthesize, characterisation and biological evaluation of transition metal chelates of some new multi-dentate ligands.
14	Science	CHEMISTRY	DESHMUKH RAVISHA SURESHCHANDRA	DR. M. P. BRAHMBHATT	Synthesis and characterization of active metal chelates biologically.
15	Science	CHEMISTRY	PATEL KINJALBEN KIRTIKUMAR	DR. P. J. VYAS	Antimicrobial and anti-inflammatory studies on extract of some arid plants combination with antibiotics.
16	Science	CHEMISTRY	PATEL NAMRATA RAMBHAI	DR. P. J. VYAS	Phytochemistry and antimicrobial activity of medicinal plants extracting combination with antibiotics.

17	Science	CHEMISTRY	DUSANAPUDI NAGAVENKATARAGHAVULUD VENKATASATYANARAYANA	DR. P. J. VYAS	Heterocyclization of Schiff bases of hydrazide and applications benzene sulphonyl
18	Science	CHEMISTRY	DAVE RUDRA GIRISHKUMAR	DR. R. S. DAVE	Development of plasmonic nanosensor for aqueous toxic metal ions.
19	Science	CHEMISTRY	VALAND PRAFULKUMAR RAJESHBHAI	DR. S. G. PATEL	Synthesis, characterization and pharmacological activity of some novel antidiabetic drugs.
20	Science	CHEMISTRY	SUTHAR SANGITABEN MANUBHAI	DR. S. S. SHAH	Synthesis, characterization and biological applications of some heterocyclic compounds derived from chalcones.
21	Science	CHEMISTRY	PATEL POONAM DINESHBHAI	DR. S. S. SHARMA	A study on biocidal applications of some synthesised heterocyclic scaffolds.
22	Science	CHEMISTRY	PATEL ANKITKUMAR SEVANTILAL	DR. S. S. SHARMA	Synthesis, characterization and biological applications of some heterocyclic scaffolds.
23	Science	CHEMISTRY	PATEL PRIYANKABAHEN RAMESHBHAI	DR. S. V. PATEL	Synthesis, characterization and chelating properties of some azodyes derivatives of 8-Hydroxyquinoline-formaldehyde resins.
24	Science	CHEMISTRY	PATEL RUTAMBHAR BHARATBHAI	DR. S. V. PATEL	Studies on some heterocyclic derivatives of sulphur drugs.
25	Science	CHEMISTRY	GHANCHI ARIFBHAI ABHRAMBHAI	DR. S. V. PATEL	Green synthesis and characterization of metal nanoparticles and its biological activities.
26	Science	CHEMISTRY	PATEL VINAYKUMAR AMARABHAI	DR. S. V. PATEL	Studies on novel 1, 2, 4-Triazol derivatives and their antimicrobial activities.
27	Science	CHEMISTRY	PANCHAL VISWASKUMAR PRAVINKUMAR	DR. Z. M. GADHAWALA	Synthesis, characterization and therapeutic evaluation of some novel diuretic drugs.

#### HOME SCIENCE

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	HOME SCIENCE	SHARDA KUSUMLATA PRABHULAL	DR. HEMLATTA J. PATEL	Comparative studies of different herbal products on diabetic patients and its impact on them.
2	Science	HOME SCIENCE	RAJPUT ARCHANABEN HIMMATSINH	DR. HEMLATTA J. PATEL	An evaluation of different type of value added product from Peanut and popularise various peanut products.
3	Science	HOME SCIENCE	PARMAR HETALBEN HARSHADBHAI	DR. PRAFULLA U. SHAH	A study regarding health and nutritional status and nutritional awareness among rural women of 20-50 years age of Siddhpur taluka.
4	Science	HOME SCIENCE	JETHVA BHAUTIKA DHIRAJBHAI	DR. PRAFULLA U. SHAH	A study regarding embroidery work of Gujarat and its applicability and acceptability apparel.

#### MATHEMATICS

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	MATHEMATICS	ARVADIYA DHARTIBEN LALITBHAI	DR. AJAY S. GOR	Some problems on inventory control and planning under uncertain environment.
2	Science	MATHEMATICS	PRAJAPATI PALAK JAGDISHBHAI	DR. CHIRAG M. BARASARA	Some interesting results in field of graph labelling.
3	Science	MATHEMATICS	PRAJAPATI ANKITA BALDEVBHAI	DR. KAMLESH A. PATEL	Study of modelling optimum strategy for deteriorating inventory system under different scenario.
4	Science	MATHEMATICS	PRAJAPATI YOGITABEN SENDHABHAI	DR. KAMLESH A. PATEL	Development of some inventory models under uncertain framework.

#### MICROBIOLOGY

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
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1	Science	MICROBIOLOGY	JADAV SEJALBEN RAMANBHAI	DR. RAJESH CHAUDHARY	Study on biotechnologically important actinomycetes from Aravalli hills Idar range.
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#### PHYSICS

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	PHYSICS	DESAI DAINIKKUMAR ARVINDBHAI	DR. DARSHAN VYAS	Construction of electronic concentration counter to find level of human concentration using AT89S52/W78E052D and its applications in psychological tests
2	Science	PHYSICS	MAKRANI IMRANKHAN JUMEDKHAN	DR. DARSHAN VYAS	Development of electronic human concentration counter and its application in stress management

#### ZOOLOGY

NO.	FACULTY	SUBJECT	NAME	GUIDE NAME	TITLE
1	Science	ZOOLOGY	DEDHROTIYA MANJURMAHAMMAD HAI DARALI	DR. CHIRAG ACHARYA	Study on population, habitat, roosting and breeding biology of selected birds associated with specific wetlands of Sabarkantha district, Gujarat.
2	Science	ZOOLOGY	CHAUDHARI JAYESHKUMAR MULJIBHAI	DR. CHIRAG ACHARYA	Study on habitat, roosting, breeding and population biology of selected birds associated with specific wetlands of Morbi district, Gujarat.
3	Science	ZOOLOGY	RABARI VASANTKUMAR MEGHABHAI	DR. JIGNESHKUMAR TRIVEDI	Study on Microplastic contamination in commercially important brachyuran crabs of Gujarat state.
4	Science	ZOOLOGY	THACKER DIMPLE RAMJIBHAI	DR. JIGNESHKUMAR TRIVEDI	Study on diversity and distribution of marine Amphipods (Crustacea: Amphipoda) of Gujarat state.
5	Science	ZOOLOGY	PATEL MAHIMABEN RAMESHKUMAR	DR. K. B. PATEL	Study of avian community and its impact on major crop of selected area in Patan district (North Gujarat).
6	Science	ZOOLOGY	PATEL SHRUTIBEN JAYANTILAL	DR. NISHITH DHARAIYA	Ecological studies on Indian rock python ( <i>Python molurus</i> ) with special reference to its behaviour and resource utilization pattern.
7	Science	ZOOLOGY	DESAI PRATIKKUMAR GANESHBHAI	DR. NISHITH DHARAIYA	Assessment and evaluation of Sloth bear habitat in non-protected areas of Gujarat with reference to Human-Sloth bear conflicts.