



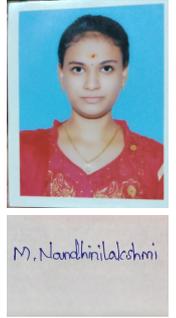
Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:10-07-2020

Department	PHYSICS	Application No.	20200234
Area of Research	PHYSICS	Research Mode	FULL TIME

Name :NANDHINILAKSHMI M
Date of Birth / Age :20-02-1998 / 22 Years
Gender :FEMALE
Category :BC
e-Mail ID :18nandhinilakshmi-pgphy@sfrcollege.edu.in
Mobile :8925136818



Father's/Husband's Name	R.MUTHURATHINAM	Father's/Husband's Occupation	DANCE MASTER
Family Income	120000	Residential Type	RURAL
Birth Place	URALIKAL	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	SINGLE
Aadhaar No.	4536 3628 7410	PAN No.	BKUPM0896B
Physically Challenged	NO	Type of Disability	-
Address for Communication: 150A MADURAI ROAD TOWN VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626125		Permenant Address: 150 A MADURAI ROAD TOWN VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626125	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
PHYSICS	B.SC	MADURAI KAMARAJ UNIVERSITY /THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN AUTONOMOUS SIVAKASI	2015-2018	7.38	FIRST	REGULAR
PHY	M.SC	MADURAI KAMARAJ UNIVERSITY / THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN AUTONOMOUS SIVAKASI	2018- 2020	7.06	FIRST	REGULAR

Experience

Organization	Designation	Experience From	Experience TO	Work Nature
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Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200234_200718210300	SUR29013565340	18-07-2020	600	SUCCESS

Research proposal

My PG project work deals with the investigation of ionic conductivity of Biopolymer electrolytes (BEs) based on Iota-Carrageenan and Iota-Carrageenan and ammonium iodide. The conductivity of Iota-Carrageenan is enhanced by the addition of Pennywort extract in a particular ratio. This Biopolymer electrolyte was successfully prepared by Solution Casting technique and characterized by means of XRD Analysis, Ac impedance study and Transference number study. From the AC impedance analysis, the conductivity of 1gm of Iota carrageen and 1gm Pennywort extract exhibit maximum ionic conductivity of 2.09×10^{-4} S/cm at 303K. From the AC impedance analysis, the conductivity of 1gm of Iota carrageen and 1gm Pennywort extract with 300 mg ammonium iodide exhibit maximum ionic conductivity of 2.48×10^{-3} S/cm at 343K. The temperature dependent conductivity of polymer electrolyte obeys an Arrhenius relationship. The dielectric behavior has been analyzed using dielectric permittivity.



அறிவியற் புலம்
FACULTY OF SCIENCE

மதுரை காமராசர் பல்கலைக்கழக ஆட்சிப்பேரவை

நந்தினிலட்சுமி. மு.

இப்பல்கலைக்கழகத்தில் இணைந்த

த. பாடசிக் கல்லூரியான

தி ஸ்டாண்டர்டு பயர் ஓர்க்ஸ் ராஜரத்தினம் மகலர் கல்லூரி, சிவகாசி

விதித்திருந்த பாடப் பயிற்சியினையும் தேர்வினையும் நன்கு முடித்த பின்னர் ஏப்ரல் 2018 இல் நடைபெற்ற தேர்வில்

முதல் வகுப்பு

பெற்று தேர்வுற்றார் எனக் கல்லூரித் தேர்வு ஏற்புக்குழு பரிந்துரைத்தவாறு.

இயற்பியல் பி.ஸி.வில் அறிவியல் இணையர் பட்டம்

பெறுதற்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக இலச்சினையுடன் இது வழங்கப்படுகின்றது.

The Senate of the MADURAI KAMARAJ UNIVERSITY

hereby makes known that

NANDHINILAKSHMI

has been admitted to the

DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

he/she having successfully completed the course of studies and examination prescribed therefor by the

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN, SIVAKASI

(an Autonomous College of this University) and upon the recommendation by the College Awards Committee and

having been placed by them in the

FIRST CLASS

at the Examination held in

APRIL 2018

Register No. : 15UP026

Centre Code : 615

Given under the seal of the University



பல்கலைநகர், மதுரை - 625 021

Palkalainagar, Madurai - 625 021

நாள் Dated

11 February 2019

தேர்வாணையர்
Controller of Examinations

பதிவாளர்
Registrar

துணைவேந்தர்
Vice-Chancellor



NAME : NANDHINILAKSHMI M				CENTRE CODE : 615			REGISTER No. : 15UP026			DATE OF PUBLICATION : 17/05/2018				
PROGRAMME : PHYSICS														
MEDIUM OF INSTRUCTION : ENGLISH														
SEM Part	Code	COURSE TITLE	CREDITS	MAXIMUM			MARKS SECURED			GRADE POINT	GRADE	RESULT	M & YR	
				INT.	EXT.	TOT.	INT.	EXT.	TOT.					
I	I	14UGT11	3	25	75	100	19	62	81	8.1	D+	P	N15	
	II	14UGE11	3	25	75	100	21	56	77	7.7	D	P	N15	
	III	14UPH11	4	25	75	100	19	45	64	6.4	A	P	N15	
	III	14UPH12	3	25	75	100	19	55	74	7.4	A++	P	N15	
	III	14UCH1A	4	25	75	100	16	44	60	6.0	A	P	N15	
IV	14UPE11	Peace Education	2	25	75	100	17	51	68	6.8	A+	P	N15	
II	I	14UGT21	3	25	75	100	20	55	75	7.5	D	P	A16	
	II	14UGE21	3	25	75	100	22	43	65	6.5	A+	P	A16	
	III	14UPH21	5	25	75	100	21	32	53	5.3	B	P	A16	
	III	14UCH2A	4	25	75	100	18	46	64	6.4	A	P	A16	
	III	14UPH2L	4	40	60	100	40	56	96	9.6	O+	P	A16	
	III	14UCH2AL	2	40	60	100	40	58	98	9.8	O+	P	A16	
	IV	14UCL23	Introduction to Computers & MS OFFICE	2	25	75	100	22	43	65	6.5	A+	P	A16
	IV	14UES21	Environmental Studies	2	25	75	100	25	56	81	8.1	D+	P	A16
	V	14UPYE	Physical Education	1		100	100		99	99	9.9	O+	P	A16
III	I	14UGT31	3	25	75	100	22	65	87	8.7	D++	P	N16	
	II	14UGE31	3	25	75	100	19	57	76	7.6	D	P	N16	
	III	14UPH31	4	25	75	100	21	29	50	5.0	B	P	N16	
	III	14UPH32	3	25	75	100	22	42	64	6.4	A	P	N16	
	III	14UMT3A1	5	25	75	100	22	47	69	6.9	A+	P	N16	
	IV	14UCH3A1	Statistical Methods	2	25	75	100	21	54	75	7.5	D	P	N16
IV	I	14UGT41	3	25	75	100	17	49	66	6.6	A+	P	A17	
	II	14UGE41	3	25	75	100	22	49	71	7.1	A++	P	A17	
	III	14UPH41	5	25	75	100	21	35	56	5.6	B+	P	A17	
	III	14UMT4A1	Allied Mathematics - II	5	25	75	100	24	59	83	8.3	D+	P	A17
	IV	14UCH4L	Practical - II	4	40	60	100	39	60	99	9.9	O+	P	A17
	IV	14USK41	Soft Skill Enhancement	2	40	60	100	31	51	82	8.2	D+	P	A17
	IV	14UCM4N1	Accounting for Small Business	2	25	75	100	20	51	71	7.1	A++	P	A17
V	III	14UPH51	5	25	75	100	22	49	71	7.1	A++	P	N17	
	III	14UPH5E1	5	25	75	100	20	70	90	9.0	O	P	N17	
	III	14UPH5E2	5	25	75	100	20	47	67	6.7	A+	P	N17	
	III	14UPH5L	5	40	60	100	40	60	100	10.0	O+	P	N17	
	IV	14UGV51	Career Guidance and Subject Viva	2	25	75	100	22	58	80	8.0	D+	P	N17
	IV	14UWS51	Women Studies	2	25	75	100	20	39	59	5.9	B+	P	N17
VI	III	14UPH61	5	25	75	100	18	46	64	6.4	A	P	A18	
	III	14UPH62	5	25	75	100	17	48	65	6.5	A+	P	A18	
	III	14UPH6E1	5	25	75	100	17	52	69	6.9	A+	P	A18	
	III	14UPH6L	5	40	60	100	40	55	95	9.5	O+	P	A18	
	III	14UPH6P	3		100	100		89	89	8.9	D++	P	A18	
	IV	14USE62	2	25	75	100	25	72	97	9.7	O+	P	A18	
	IV	14USE62L	2	40	60	100	40	60	100	10.0	O+	P	A18	

<< END OF STATEMENT >>

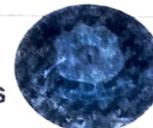
000331962	Part	CGPA	Credits	Grade	CLASS	CREDITS	
						EARNED	REQUIRED
	I	7.72	12	D	FIRST	140	140
	II	7.22	12	A++	FIRST		
	III	7.38	95	A++	FIRST		
	IV	7.78	20	D	-		
	V	9.90	1	-	-		

SIGNATURE OF THE CANDIDATE



E. Ponmalar
Mrs. E. Ponmalar

CONTROLLER OF EXAMINATIONS



T. Palaneeswari
Dr. T. Palaneeswari
PRINCIPAL



M.Sc., DEGREE EXAMINATIONS, NOVEMBER 2019

CSFR 312751

STATEMENT OF MARKS AND GRADES

NAME : NANDHINILAKSHMI M

CENTRE CODE 615

REGISTER No. : 18PP017

MAJOR : PHYSICS

DATE OF PUBLICATION : 02/12/2019

MEDIUM OF INSTRUCTION : ENGLISH

CODE	TITLE OF THE COURSE	CREDITS	MAXIMUM			MARKS SECURED			GRADE POINT	GRADE	RESULT	M&YR
			INT	EXT	TOT	INT	EXT	TOT				
CORE COURSES												
SEMESTER - I:												
HLP11	MATHEMATICAL PHYSICS - I	5	25	75	100	21	42	63	6.3	A	P	N18
HLP12	CLASSICAL AND STATISTICAL MECHANICS	4	25	75	100	20	39	59	5.9	B+	P	N18
HLP13	LINEAR INTEGRATED CIRCUITS	4	25	75	100	19	43	62	6.2	A	P	N18
HLP1L	LAB - I	4	40	60	100	40	59	99	9.9	O+	P	N18
SEMESTER - II:												
HLP21	QUANTUM MECHANICS - I	5	25	75	100	19	18	37	0.0	U	RA	N19
HLP22	MATHEMATICAL PHYSICS - II	4	25	75	100	21	35	56	5.6	B+	P	A19
HLP23	ELECTROMAGNETIC THEORY	4	25	75	100	19	34	53	5.3	B	P	A19
HLP2L	LAB - II	4	40	60	100	39	58	97	9.7	O+	P	A19
SEMESTER - III:												
HLP31	SOLID STATE PHYSICS - I	5	25	75	100	20	48	68	6.8	A+	P	N19
HLP32	QUANTUM MECHANICS - II	4	25	75	100	21	43	64	6.4	A	P	N19
HLP33	COMPUTER ORIENTED NUMERICAL METHODS	4	25	75	100	21	41	62	6.2	A	P	N19
HLP3L	LAB - III	4	40	60	100	37	60	97	9.7	O+	P	N19
<<END OF STATEMENT>>												

ELECTIVE COURSES

HLP1E2	DIGITAL LOGIC DESIGN	5	25	75	100	20	52	72	7.2	A++	P	N18
HLMT2E	QUANTITATIVE TECHNIQUES	5	25	75	100	21	44	65	6.5	A+	P	A19
HLP3E1	CSIR UGC - NET PREPARATORY COURSE- PHYSICS	5	25	75	100	16	53	69	6.9	A+	P	N19
<<END OF STATEMENT>>												

SIGNATURE OF THE CANDIDATE	COURSES	GPA	CREDITS	GRADE	CLASS	CREDITS	
	CORE	7.06	46			Earned	Required
	ELECTIVE		15				



E. Ponmalar
Mrs. E. Ponmalar

CONTROLLER OF EXAMINATIONS



T. Palaneeswari
Dr. T. Palaneeswari

PRINCIPAL



B.Sc., DEGREE EXAMINATIONS, APRIL 2018
STATEMENT OF MARKS AND GRADES



NAME : NANDHINILAKSHMI M **CENTRE : 15UP026**
PROGRAMME : PHYSICS **CODE : 615** **DATE OF PUBLICATION : 17/05/2018**
MEDIUM OF INSTRUCTION : ENGLISH

SEM Part	Code	COURSE TITLE	CREDITS	MAXIMUM			MARKS SECURED			GRADE POINT	GRADE	RESULT	M & YR	
				INT.	EXT.	TOT.	INT.	EXT.	TOT.					
I	I	14UGT11	3	25	75	100	19	62	81	8.1	D+	P	N15	
	II	14UGE11	3	25	75	100	21	56	77	7.7	D	P	N15	
	III	14UPH11	4	25	75	100	19	45	64	6.4	A	P	N15	
	III	14UPH12	3	25	75	100	19	55	74	7.4	A++	P	N15	
	III	14UCH1A	4	25	75	100	16	44	60	6.0	A	P	N15	
IV	14UPE11	Peace Education	2	25	75	100	17	51	68	6.8	A+	P	N15	
II	I	14UGT21	3	25	75	100	20	55	75	7.5	D	P	A16	
	II	14UGE21	3	25	75	100	22	43	65	6.5	A+	P	A16	
	III	14UPH21	5	25	75	100	21	32	53	5.3	B	P	A16	
	III	14UCH2A	4	25	75	100	18	46	64	6.4	A	P	A16	
	III	14UPH2L	4	40	60	100	40	56	96	9.6	O+	P	A16	
	III	14UCH2AL	2	40	60	100	40	58	98	9.8	O+	P	A16	
	IV	14UCL23	Introduction to Computers & MS OFFICE	2	25	75	100	22	43	65	6.5	A+	P	A16
	IV	14UES21	Environmental Studies	2	25	75	100	25	56	81	8.1	D+	P	A16
V	14UPYE	Physical Education	1		100	100		99	99	9.9	O+	P	A16	
III	I	14UGT31	3	25	75	100	22	65	87	8.7	D++	P	N16	
	II	14UGE31	3	25	75	100	19	57	76	7.6	D	P	N16	
	III	14UPH31	4	25	75	100	21	29	50	5.0	B	P	N16	
	III	14UPH32	3	25	75	100	22	42	64	6.4	A	P	N16	
	III	14UMT3A1	5	25	75	100	22	47	69	6.9	A+	P	N16	
IV	IV	14UCM3A1	2	25	75	100	21	54	75	7.5	D	P	N16	
	IV	14UGT31	3	25	75	100	17	49	66	6.6	A+	P	A17	
	IV	14UGE31	3	25	75	100	22	49	71	7.1	A++	P	A17	
	IV	14UPH31	5	25	75	100	21	35	56	5.6	B+	P	A17	
	IV	14UPH32	5	25	75	100	24	59	83	8.3	D+	P	A17	
	IV	14UCH3A1	4	40	60	100	39	60	99	9.9	O+	P	A17	
	IV	14UCSK41	2	40	60	100	31	51	82	8.2	D+	P	A17	
	IV	14UCM4N1	2	25	75	100	20	51	71	7.1	A++	P	A17	
V	III	14UPH51	5	25	75	100	22	49	71	7.1	A++	P	N17	
	III	14UPH5E1	5	25	75	100	20	70	90	9.0	O	P	N17	
	III	14UPH5E2	5	25	75	100	20	47	67	6.7	A+	P	N17	
	III	14UPH5L	5	40	60	100	40	60	100	10.0	O+	P	N17	
	IV	14UGV51	2	25	75	100	22	58	80	8.0	D+	P	N17	
VI	IV	14UWS51	2	25	75	100	20	39	59	5.9	B+	P	N17	
	III	14UPH61	5	25	75	100	18	46	64	6.4	A	P	A18	
	III	14UPH62	5	25	75	100	17	48	65	6.5	A+	P	A18	
	III	14UPH6E1	5	25	75	100	17	52	69	6.9	A+	P	A18	
	III	14UPH6L	5	40	60	100	40	55	95	9.5	O+	P	A18	
	III	14UPH6P	3		100	100		89	89	8.9	D++	P	A18	
	IV	14USE62	2	25	75	100	25	72	97	9.7	O+	P	A18	
IV	14USE62L	2	40	60	100	40	60	100	10.0	O+	P	A18		

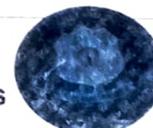
<< END OF STATEMENT >>

000331962	Part	CGPA	Credits	Grade	CLASS	CREDITS	
						EARNED	REQUIRED
	I	7.72	12	D	FIRST	140	140
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	III	7.38	95	A++	FIRST		
	IV	7.78	20	D	-		
	V	9.90	1	-	-		

SIGNATURE OF THE CANDIDATE



E. Ponmalar
Mrs. E. Ponmalar
CONTROLLER OF EXAMINATIONS



T. Palaneeswari
Dr. T. Palaneeswari
PRINCIPAL



M.Sc., DEGREE EXAMINATIONS, NOVEMBER 2019

CSFR 312751

STATEMENT OF MARKS AND GRADES

NAME : NANDHINILAKSHMI M

CENTRE CODE 615

REGISTER No. : 18PP017

MAJOR : PHYSICS

DATE OF PUBLICATION : 02/12/2019

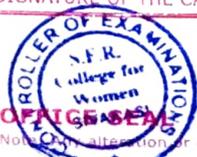
MEDIUM OF INSTRUCTION : ENGLISH

CODE	TITLE OF THE COURSE	CREDITS	MAXIMUM			MARKS SECURED			GRADE POINT	GRADE	RESULT	M&YR
			INT	EXT	TOT	INT	EXT	TOT				
CORE COURSES												
SEMESTER - I:												
HLP11	MATHEMATICAL PHYSICS - I	5	25	75	100	21	42	63	6.3	A	P	N18
HLP12	CLASSICAL AND STATISTICAL MECHANICS	4	25	75	100	20	39	59	5.9	B+	P	N18
HLP13	LINEAR INTEGRATED CIRCUITS	4	25	75	100	19	43	62	6.2	A	P	N18
HLP1L	LAB - I	4	40	60	100	40	59	99	9.9	O+	P	N18
SEMESTER - II:												
HLP21	QUANTUM MECHANICS - I	5	25	75	100	19	18	37	0.0	U	RA	N19
HLP22	MATHEMATICAL PHYSICS - II	4	25	75	100	21	35	56	5.6	B+	P	A19
HLP23	ELECTROMAGNETIC THEORY	4	25	75	100	19	34	53	5.3	B	P	A19
HLP2L	LAB - II	4	40	60	100	39	58	97	9.7	O+	P	A19
SEMESTER - III:												
HLP31	SOLID STATE PHYSICS - I	5	25	75	100	20	48	68	6.8	A+	P	N19
HLP32	QUANTUM MECHANICS - II	4	25	75	100	21	43	64	6.4	A	P	N19
HLP33	COMPUTER ORIENTED NUMERICAL METHODS	4	25	75	100	21	41	62	6.2	A	P	N19
HLP3L	LAB - III	4	40	60	100	37	60	97	9.7	O+	P	N19
<<END OF STATEMENT>>												

ELECTIVE COURSES

HLP1E2	DIGITAL LOGIC DESIGN	5	25	75	100	20	52	72	7.2	A++	P	N18
HLMT2E	QUANTITATIVE TECHNIQUES	5	25	75	100	21	44	65	6.5	A+	P	A19
HLP3E1	CSIR UGC - NET PREPARATORY COURSE- PHYSICS	5	25	75	100	16	53	69	6.9	A+	P	N19
<<END OF STATEMENT>>												

SIGNATURE OF THE CANDIDATE	COURSES	GPA	CREDITS	GRADE	CLASS	CREDITS	
	CORE	7.06	46			Earned	Required
	ELECTIVE		15				



E. Ponnalar
Mrs. E. Ponnalar

CONTROLLER OF EXAMINATIONS



T. Palaneeswari
Dr. T. Palaneeswari

PRINCIPAL

आयकर विभाग

INCOME TAX DEPARTMENT

MUTHURATHINAM R

RAJIAH PILLAI

13/12/1960

Permanent Account Number

BKUPM0896B

Signature



सत्यमेव जयते

भारत सरकार

GOVT. OF INDIA



आयकर विभाग

INCOME TAX DEPARTMENT

MUTHURATHINAM R

RAJIAH PILLAI

13/12/1960

Permanent Account Number

BKUPM0896B

Signature



सत्यमेव जयते

भारत सरकार

GOVT. OF INDIA

