



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Eachanari Post, Coimbatore-641021, Tamilnadu, India.


**FACULTY OF ARTS, SCIENCE AND HUMANITIES
DEPARTMENT OF PHYSICS**

Date: 31.7.2017

Circular

This is to inform you that, as a part of student support, Department of Physics is organizing a **Career Guidance** program will be given by Dr.K.Srinivasan, Professor and Head, Department of Physics, Bharathiar University, Coimbatore to our II M.Sc and III B.Sc Physics students, on 2.8.2017. Students are requested to attend the session and utilize the opportunity.

Venue: Thiruvalluvar Hall


Head of the Department
Department of Physics
Faculty of Arts, Science and Humanities
Karpagam Academy of Higher Education
Coimbatore – 641 021, Tamil Nadu, India.

Invitation



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DEPARTMENT OF PHYSICS

Cordially invites you for the
Career Guidance Programme

On

Crystal Growth

On 2nd August 2017

Chief Guest

Dr.K.Srinivasan

Professor and Head,
Department of Physics,
Bharathiar University, Coimbatore

VENUE: Thiruvalluvar Hall

TIME: 12.00 – 1.00 PM

ALL ARE INVITED

Dr. V. Senthil Kumar
Associate Professor & Head
Department of Physics

Biodata

Dr. K. Srinivasan
Professor and Head
Department of Physics



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E-mail: nivas_5@yahoo.com

Education

- ✚ **Ph.D.** (1997) – Alagappa University, Karaikudi
- ✚ **M.Sc.** (1991) – National College (Affiliation: Bharathidasan University), Tiruchirappalli

Professional Experience

- ✚ **Professor and Head**, Dept. of Physics, Bharathiar University, (Jul.2016-Present)
- ✚ **Member:** Senate, Bharathiar University (Jul. 2015-Present)
- ✚ **Member:** Standing Committee on academic affairs Bharathiar University (July. 2015-Present)
- ✚ **Member:** Academic Council, Results Passing Board, Board of Studies for few colleges affiliated to Bharathiar University (Jan. 2011-Present)
- ✚ **Chairman:** Board of Studies for P.G. Physics (University Department) (July.2016-Present)
- ✚ **Co-ordinator**, UGC–SAP, DRS-II, Department of Physics, Bharathiar University, (Apr. 2016-Present)
- ✚ **Co-ordinator**, DST-FIST, Level-I, Department of Physics, Bharathiar University, (Nov.15-Present)
- ✚ **Professor and Head-in-Charge**, Dept. of Electronics and Instrumentation, Bharathiar University, (Jul.2015-Feb.2017)
- ✚ **Professor and Head-in-Charge**, Dept. of Medical Physics, Bharathiar University, (Jul.2016-Feb.2017)
- ✚ **Research Co-ordinator**, Bharathiar University (Mar.2016-Jun.2016)
- ✚ **Co-ordinator**, Programme Implementation Group, DST-PURSE Program-Phase-I, Bharathiar University (Jan.2016-Aug.2016)
- ✚ **Deputy-Co-ordinator & PIG Member**, DST-PURSE Program-Phase-I, Bharathiar University, (Jul.2011-Dec.2015)

- ✚ **Professor**, School of Physical Sciences, Bharathiar University, (Jan.2014-Present)
- ✚ **Associate Professor**, School of Physical Sciences, Bharathiar University, (Jan.2011-Jan.2014)
- ✚ **Reader**, School of Physical Sciences, Bharathiar University, (Jan.2008-Jan.2011)
- ✚ **Post-Doctoral Research Fellow**, University of Strathclyde, Glasgow, United Kingdom (Jan. 2002-Dec. 2002).
- ✚ **Post-Doctoral Research Fellow**, University of Strathclyde, Glasgow, United Kingdom (Jul 2003-Jun 2004)
- ✚ **Lecturer in Physics & Master Technician (Crystal Research)**, Alagappa University, Karaikudi (Dec.1995-Jan. 2008)
- ✚ **Senior Research Fellow (CSIR) & Junior Project Assistant (DST Project)**, Crystal Growth Centre, Anna University, Chennai (Sep. 1991-Nov. 1995)

Awards and Distinctions

- ✚ 2019 **Fellow of the Academy of Sciences, Chennai.**
- ✚ 2018 **Prof. P. Ramasamy National Award for Crystal Growth and Characterization** by Indian Association for Crystal Growth (IACG).
- ✚ 2016 **Ariviyal Kazhangiyam- Best Scientist Award** by MTS Academy, Chennai
- ✚ 2013 **INSA Travel Grant Award**
- ✚ 2007 **DST-SERB Young Scientist (Fast Track Scheme) Award**
- ✚ 2006 **Alagappa University-Performance Linked Incentive Scheme-Certificate of Achievement and Award**
- ✚ 2001 **IUCr Young Scientist Award** to participate in ISSCG-11, Japan
- ✚ 2001 **IOCG Young Scientist Award** for Best Paper Presentation in ICCG-13, Japan
- ✚ 2001 **Government of Tamil Nadu-Best Book Award**
- ✚ 1998 **IUCr Young Scientist Award** to participate in ISPD-I, Kolkata
- ✚ 1994 **CSIR Senior Research Fellow Award**
- ✚ Member, Editorial Advisory Board, Journal: Crystal Research and Technology
- ✚ Member, Materials Research Society of India (MRSI)
- ✚ Member, American Chemical Society (ACS)
- ✚ Member, Indian Association for Crystal Growth (IACG)
- ✚ Member, Indian Laser Association (ILA)
- ✚ Member, Indian Physical Society (IPS)

Scientific Visits to Countries Abroad

Japan, United Kingdom, Germany, France, Czech Republic, China, Spain, Poland, Singapore, Malaysia and South Korea.

Research Projects

Ongoing: 01

- ✚ **Title of the project:** 'Investigation on the control of liquid-liquid phase separation (LLPS) and isolation of vanillin polymorphs for industrial applications through novel crystallization techniques'

Funding Agency: CSIR

Amount / Duration: 12.90 lakhs/2017- 2020

Completed: 05

- ✚ **Title of the project:** 'Development of deuterated and L-alanine doped TGS single crystals for uncooled pyroelectric infrared detector applications'

Funding Agency: DRDO-BU-CLS

Amount / Duration: 25.20lakhs/2014- 2017

- ✚ **Title of the project:** 'Investigation on the Ultrasound assisted control of nucleation, separation, shape, size and single crystalline growth of Alpha Lactose Monohydrate (α -LM) polymorphs for food and pharmaceutical applications'

Funding Agency: UGC-MRP

Amount / Duration: 11.98lakhs/2013- 2016

- ✚ **Title of the project:** 'Investigation on the Crystallization, Polymorphism, Habit Modification, Solution mediated Phase Transformation and Optical properties of the Amino Acid: Glycine'

Funding Agency: DST-SERB

Amount / Duration: 11.28lakhs/2008- 2012

- ✚ **Title of the project:** 'Investigation on the Crystallization, Polymorphism, Habit Modification, Solution mediated Phase Transformation and Optical properties of the Amino Acid: L-Glutamic Acid'

Funding Agency: CSIR

Amount / Duration: 17.43lakhs/2007- 2011

- ✚ **Title of the project:** 'Development of high efficiency SHG optical elements from NMBA bulk single crystals'

Funding Agency: CSIR

Amount / Duration: 4.36lakhs / 1998 – 2000

Current Research Interest

- ✚ Crystallization of Pharmaceutical and Bio-Materials: Polymorphism, Nucleation Control and Separation
- ✚ Morphological and Structural Analysis: Growth of Ferroelectric and Non-Linear Optical bulk single crystals
- ✚ Investigation on Growth Imperfections, Micro hardness, Physical, Chemical and Optical Properties.
- ✚ Fabrication of Non-Linear and Electro-Optical Devices.



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Guidance for Career Counselling

Description of Career Counseling	Developments in Crystal Growth
Academic year	2017-2018
Semester	I & V
Scheduled Hours / Semester	1 hour
Number of Students Enrolled	95
Name of the agencies involved	Karpagam Academy of Higher Education, Coimbatore
Name of the Resource persons	Dr.K.Srinivasan Professor and Head, Department of Physics, Bharathiar University, Coimbatore
Venue	Thiruvalluvar Hall



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Report

2.8.2017

Department of Physics organized a career guidance program on “Crystal Growth” on 2.8.2017. Dr.K.Srinivasan Professor and Head, Department of Physics, Bharathiar University, Coimbatore be the Resource person. Welcome address and resource person were introduced by the Dr.B.Janarthanan, Assoc Prof., Department of Physics. The chief guest explained the developments in crystal growth and its importance in today’s world. He also stated job opportunities and research opportunities. The session came to an end with a vote of thanks by Ms. P. Jananee (II M. Sc Phy).



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Career Counselling

Academic Year
Semester

: 2017 - 2018
: I & V

Students Name List

S.NO	Register No.	STUDENT NAME
1	17PHP001	S. Abinaya
2	17PHP003	S .Anugrah
3	17PHP004	Arjun .S. Appu
4	17PHP005	p. Arulayyan
5	17PHP007	M. Bhavatharani
6	17PHP008	M.O. Chanda
7	17PHP009	Chitra .K.Nair
8	17PHP010	M. GokulPrabu
9	17PHP012	P. Harshapriya
10	17PHP013	K. Inbarajan
11	17PHP014	P. Jananee
12	17PHP015	S.N. Janaranjani
13	17PHP016	C. Kalaiyarasi
14	17PHP019	R. Ligonja
15	17PHP020	V. Lingesh Kumar
16	17PHP021	P. Loganayagan
17	17PHP022	R. Manikandan
18	17PHP023	R. Manoj
19	17PHP024	M. Muthu Kumar
20	17PHP025	S. Naveenprathap
21	17PHP026	P.K. Nived
22	17PHP028	R. Ponni
23	17PHP030	S. Priyadarsini
24	17PHP031	R. Rahul Raj
25	17PHP032	D. Ranjith
26	17PHP034	E. Revathi
27	17PHP035	R. Sangeetha
28	17PHP036	S. Saranya
29	17PHP041	C. Sowndarya
30	17PHP042	K. Sreena
31	17PHP043	L. Subash
32	17PHP044	V. Sudhakar
33	17PHP045	S. Ulaganayagi
34	17PHP047	S. Vetriselvan
35	17PHP048	M. Vignesh

36	15PHU001	Abdul Wajeeth. S
37	15PHU002	Ahila. K
38	15PHU003	Akila. S
39	15PHU004	Angel Jenitha. D
40	15PHU005	Anupriya. R
41	15PHU006	Arunthathi. K
42	15PHU007	Aswin Samuel. P
43	15PHU008	Aswin. M
44	15PHU009	Gomathi. K
45	15PHU010	Gomathi. P
46	15PHU011	Gowtham. M. P
47	15PHU012	Harivignesh. T
48	15PHU013	Jayasri. S
49	15PHU014	Jegadeesan. S
50	15PHU015	Kamalapoorani. V
51	15PHU016	Manikandan. N
52	15PHU017	Manonmani. S
53	15PHU018	Muthukumar. S
54	15PHU019	Navaneeth. M
55	15PHU020	Naveen Raja. R
56	15PHU021	Nithya. S
57	15PHU022	Priyanka. K
58	15PHU023	Saranya. P
59	15PHU024	Saravana Kumar. M
60	15PHU025	Siva Kumar. N
61	15PHU026	Siva Priya. S
62	15PHU027	Sivaranjani. G
63	15PHU028	Subash. C
64	15PHU029	Suthaa. S
65	15PHU030	Thenmozhi. D
66	15PHU031	Vinitha. S
67	15PHU032	Yaswanth Kumar. M
68	15PHU033	Arul Kumar R
69	15PHU034	Bharath Kumar V
70	15PHU035	Chandirasekar N
71	15PHU036	Chandralekha N R
72	15PHU037	Deepika M
73	15PHU038	Dineshkumar. M
74	15PHU039	Gopinath
75	15PHU040	Jaiprakash. V
76	15PHU041	Jeevabharathi. K
77	15PHU042	Jenefa. P
78	15PHU043	Madankumar. B
79	15PHU044	Maidili. T
80	15PHU045	Manikkavasagam .V
81	15PHU046	Mugil S K
82	15PHU047	Nandhini .R
83	15PHU048	Narmadha. P
84	15PHU049	NowfalRiyas. N
85	15PHU050	Padmapriya .R
86	15PHU051	Poovarasam .S
87	15PHU052	Ranjithkumar K
88	15PHU053	Saravanapriyan S
89	15PHU054	Sankar. V
90	15PHU055	Shanmathi .K
91	15PHU056	Sri Varshini .S

92	15PHU057	Sripavathy V Varrier
93	15PHU058	Tamilarasan .S
94	15PHU059	UmapathiPandiyan .A
95	15PHU060	Yahini. R

Certificate



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CERTIFICATE

This is to certify that Mr. /MsChitra.K.Nair...of ...II M.Sc Physics... has participated in the **Career Guidance Programme on “Crystal Growth”** conducted on 2nd August 2017, organized by the Department of Physics, FASH, Karpagam Academy of Higher Education, Coimbatore.


Programme co-ordinator


HoD