



**JADAVPUR UNIVERSITY**  
**KOLKATA – 700032.**

**NOTICE**

***Dated: 08. 09. 2017.***

In continuation of the Notice dated 04.09.2017, it is for notification of all concerned that the next meeting of the **Ph.D. Research Committee** of the **Department of Physics, Department of Chemistry, Department of Geological Science, Department of Instrumentation Science, Department of Mathematics and Department of Life Science & Biotechnology** will be held as per following date time and venue of the said departments of this University.

All concerned are requested to make it convenient to attend the meeting.

Sd/-  
**(Dr. Atiskumar Chattopadhyay)**  
Secretary  
**Faculty Council of Science.**

**MEETING OF THE PH.D. RESEARCH COMMITTEE OF THE FOLLOWING DEPARTMENTS**

**1) DEPARTMENT OF PHYSICS**



DATE: 12.09.2017 TIME: 12-00 NOON VENUE: SEMINAR ROOM

**2) DEPARTMENT OF CHEMISTRY**



DATE: 12.09.2017 TIME: 1-00 P.M. VENUE: ANALYTICAL CHEMISTRY BUILDING

**3) DEPARTMENT OF GEOLOGICAL SCIENCES**



DATE: 13.09.2017 TIME: 12-00 NOON VENUE: SEMINAR ROOM

**4) DEPARTMENT OF INSTRUMENTATION SCIENCE**



DATE: 13.09.2017 TIME: 1-00 P.M. VENUE: SEMINAR ROOM

**5) DEPARTMENT OF MATHEMATICS**



DATE: 13.09.2017 TIME: 12-00 NOON VENUE: SEMINAR ROOM

**6) DEPARTMENT OF LIFE SCIENCE & BIOTECHNOLOGY**



DATE: 13.09.2017 TIME: 1-00 P.M. VENUE: DEPT. OF LIFE SC.& BIOTECHNOLOGY

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**(1). DEPARTMENT OF PHYSICS**

(1). THE LIST OF THE FOLLOWING CANDIDATES & THE CONCERNED SUPERVISORS ARE REQUESTED TO BE PRESENT FOR PRE-THESIS SUBMISSION SEMINAR SCHEDULED TO BE HELD ON TUESDAY, THE 12<sup>th</sup> SEPTEMBER 2017 AT 12-00 NOON IN THE SEMINAR ROOM, DEPT. OF PHYSICS OF JADAVPUR UNIVERSITY:

Sl. No.	Name of the candidates [Index No...]	Name of the Supervisor/s	Proposed Title of the Thesis	Date of Registration	Date of Publication of Course Work Result
(a)	<b>Sri Uttiya Dasgupta</b> [Index No.: 219/14/Phys./23]	Prof. Amlan J. Pal, Dept. of Solid State Physics, I.A.C.S., 2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032.	"Semiconducting Nanostructures in Solar Cell Applications".	19.11.2014	12.02.2016
<i>Note: Sri Uttiya Dasgupta was absent in the previous DRC meeting held on 31.03.2017 &amp; 09.06.2017.</i>					
(b)	<b>Sri Biswajit Das</b> [Index No.: 31/16/Phys./24]	Prof. K. K. Chattopadhyay, Dept. of Physics, J.U., Kolkata-700032.	"Investigation on synthesis and electrical properties of topological insulating Bi <sub>2</sub> Se <sub>3</sub> and its hybrid nanostructures".	13.04.2016	10.01.2017
(c)	<b>Sri Arindam Mallick</b> [Index No.: 15/14/Phys./23]	Prof. Durga Basak, Dept. of Solid State Physics, I.A.C.S., 2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032.	"Studies on transparent conducting films based on n-type zinc oxide and p-type copper sulfide".	08.01.2014	31.10.2014
(d)	<b>Smt. Monalisa Chakraborty</b> [Index No.: 171/16/Phys./25]	Prof. Sukhen Das, Dept. of Physics, J.U., Kolkata-700032 and Dr. Ruma Basu, Associate Professor, Dept. of Physics, Jogamaya Devi College, 92, S.P. Mukherjee Road, Kolkata-700026.	"A Study on the synthesis, Characterization and application of some nanoparticles and phytochemicals as Nanomedicines".	22.10.2016	10.01.2017
(e)	<b>Sri Anindya Banerji</b> [Index No.: 92/15/Phys./24]	Dr. Dhruva Banerjee, Asst. Professor, Dept. of Physics, J.U., Kolkata-700032 and Dr. Abir Bandyopadhyay, Asst. Professor, HETC, Hooghly, W.B.	"Studying the properties of vortices in quantized radiation fields".	13.10.2015	10.01.2017

[Contd. to Page...3]

(f)	<b>Sri Shankha Sanyal</b> [Index No.: 184/13/Phys./22]	Prof. Dipak Ghosh, Emeritus Professor, Sir C.V. Raman Centre for Physics and Music, J.U., Kolkata-700032 and Dr. Ranjan Sengupta, Scientific Consultant, Sir C.V. Raman Centre for Physics and Music, J.U., Kolkata-700032	"Chaos based Neuro- cognitive Physics study of a complex system (Music) and its effect on Human Brain".	<b>24.09.2013</b>	<b>31.10.2014</b>
(g)	<b>Sri Biswajit Kundu</b> [Index No.: 127/15/Phys./24]	Prof. Amlan J. Pal, Dept. of Solid State Physics, I.A.C.S., 2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata- 700032	"Scanning Tunneling Microscopy and Spectroscopy of Some Semiconducting Complex Nanostructures".	<b>10.08.2015</b>	<b>12.02.2016</b>
(h)	<b>Sri Arka Dey</b> [Index No.: 144/14/Phys./23]	Dr. Partha Pratim Ray, Asst. Professor, Dept. of Physics, J.U., Kolkata-700032	"Development of different inorganic and organic nanoparticle based thin film Schottky diode and Solar Cell".	<b>30.07.2014</b>	<b>16.10.2015</b>
(i)	<b>Sri Mrinmay Das</b> [Index No.: 159/13/Phys./22]	Dr. Partha Pratim Ray, Asst. Professor, Dept. of Physics, J.U., Kolkata-700032	"Synthesis, characterization and thin film device application of different grapheme based inorganic semiconducting nanocomposites".	<b>03.09.2013</b>	<b>31.10.2014</b>
(j)	<b>Sarfaraj Mollah</b> [Index No.: 10/14/Phys./22]	Prof. Ajay Kumar Ghosh, Dept. of Physics, J.U., Kolkata-700032	"An investigation on random substitutions and its impact on the origin of superconducting transition and pair formation".	<b>06.01.2014</b>	<b>31.10.2014</b>
(k)	<b>Smt. Sudeshna Sircar</b> [Index No.: 19/15/Phys./23]	Dr. Sanat Karmakar, Asst. Professor, Dept. of Physics, J.U., Kolkata-700032 and Dr. Tapati Dutta, Dean, Arts & Sc. Dept., Dept. of Physics, St. Xavier's College, Kolkata700016	"Effect of alternating and direct electric fields on desiccation fracture patterns in Laponite clay : experiment and simulation".	<b>03.02.2015</b>	<b>16.10.2015</b>

(l)	<b>Sri Arnab Basu</b> [Index No.: 54/15/Phys./23]	Prof. Tapas Ranjan Middy, Ex-Professor, Dept. of Physics, J.U., Kolkata-700032 and Prof. D. P. Bhattacharya, Retired Professor, Dept. of Physics, J.U., Kolkata-700032.	"Characterization of different semiconductor structures - a theoretical analysis".	<b>28.04.2015</b>	<b>16.10.2015</b>
<i>Note: As one of the supervisors Prof. D. P. Bhattacharya did not recommend the application of Sri Arnab Basu.</i>					
(m)	<b>Sri Pabitra Maity</b> [Index No.: 176/13/Phys./22]	Dr. Sanat Karmakar, Asst. Professor, Dept. of Physics, J.U., Kolkata-700032.	"Studies on the interaction of alkali metal ions with lipid membranes".	<b>23.09.2013</b>	<b>31.10.2014</b>
(n)	<b>Sri Biswajit Roy</b> [Index No.: 26/15/Phys./23]	Dr. Sanat Karmakar, Asst. Professor, Dept. of Physics, J.U., Kolkata-700032.	"Pattern formation by evaporation in complex fluids".	<b>03.03.2015</b>	<b>16.10.2015</b>
(o)	<b>Smt. Rishmita Ghosh</b> [Index No.: 122/13/Phys./22]	Prof. Aparajita Bhattacharya, Dept. of Physics, J.U., Kolkata-700032 and Dr. Ballari Chakrabarti, Associate Professor, Dept. of Physics, Jogamaya Deve College, 92, S.P. Mukherjee Road, Kolkata-700026.	"Theoretical investigation on Properties of Exotic Hadrons in the Diquark Formalism and Quark Gluon Plasma".	<b>27.06.2013</b>	<b>31.10.2014</b>
(p)	<b>Sri Ashis Kumar Mandal</b> [Index No.: 67/15/Phys./23]	Prof. Nabin Baran Manik, Dept. of Physics, J.U., Kolkata-700032 and Dr. Goutam Kumar Maity, Asst. Prof. and H.O.D., Dept. of Physics, Pingla Thana Mahavidyalaya, Maligram, Dt- Paschim Midnapur, Pin-721 140, W.B..	"Studies on Development of Non-linear All-optical Devices and Algebraic Processors".	<b>04.05.2015</b>	<b>16.10.2015</b>

(q)	<b>Smt. Moutisi Manerjee</b> [Index No.: 153/15/Phys./24]	Prof. Dipankar Chakravorty, Emeritus Professor, Dept. of Material Sc., I.A.C.S., 2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032 and Prof. Shyamal K. Saha, Dept. of Material Sc., I.A.C.S., 2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032	"Graphene based alkali ion conductors for battery applications".	<b>06.11.2015</b>	<b>15.09.2016</b>
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**(2). DEPARTMENT OF CHEMISTRY**

**(A) THE LIST OF THE FOLLOWING CANDIDATES & THE CONCERNED SUPERVISORS ARE REQUESTED TO BE PRESENT FOR PRE-THESIS SUBMISSION SEMINAR SCHEDULED TO BE HELD ON TUESDAY, 12<sup>TH</sup> SEPTEMBER 2017 AT 1-00 P.M. IN THE DEPT. OF CHEMISTRY (ANALYTICAL CHEMISTRY BUILDING) OF JADAVPUR UNIVERSITY:**

Sl. No.	Name of the candidates [Index No...]	Name of the Supervisor/s	Proposed Title of the Thesis	Date of Registration	Date of Publication of Course Work Result
(a)	<b>Sri Kingshuk Basu</b> [Index No.: 36/14/Chem./23]	Prof. Arindam Banerjee, Senior Professor, Dept. of Biological Chemistry, I.A.C.S., 2A & 2B. Raja S.C. Mullick Road, Jadavpur, Kolkata-700 032.	"PEPTIDE BASED FUNCTIONAL GELS AND PEPTIDE STABILIZED FLUORESCENT METAL NANOCLUSTERS".	<b>28.01.2014</b>	<b>27.04.2015</b>
(b)	<b>Sri Soumen Bhattacharyya</b> [Index No.: 145/15/Chem./24]	Prof. Soumen Ghosh, Dept. of Chemistry, J.U., Kolkata-700032 and Dr. Pratap Kumar Jana, Associate Professor, Govt. Teachers Training College, malda-732 101.	"MUTUAL INTERACTION OF TROPOSPHERIC AND STRATOSPHERIC OZONE WITH SOME OTHER ATMOSPHERIC COMPONENTS AND ITS IMPACT".	<b>25.08.2015</b>	<b>07.02.2017</b>

(c)	<b>Sri Subhendu Chandra</b> [Index No.: 139/15/Chem./24]	Dr. Joydeep Chowdhury, Associate Professor, Dept. of Physics, J.U., Kolkata-700032 and Dr. Biplab Bhattacharjee, Associate Professor, Dept. of Chemistry, J.U., Kolkata-700032	"Understanding the genesis of enhanced Raman bands from Surface Enhanced Raman Scattering studies of some biologically significant organic molecules adsorbed on metal nanocolloids: Experimental investigations aided by <i>ab initio</i> and density functional theory".	<b>24.08.2015</b>	<b>07.02.2017</b>
(d)	<b>Smt. Piyali Bhanja</b> [Index No.: 135/15/Chem./24]	Prof. Asim Bhaumik, Dept. of Materials Science, I.A.C.S., 2A & 2B. Raja S.C. Mullick Road, Jadavpur, Kolkata-700 032.	"NANOSCALE POROSITY IN ORGAONIC POLYMERS AND METALLO-PHOSPHATES/PHOSPHONATES: CATALYSIS, ENERGY STORAGE AND BIOMEDICAL APPLICATIONS".	<b>20.08.2015</b>	<b>12.02.2016</b>
(e)	<b>Sri Rameswar Bhattacharjee</b> [Index No.: 132/14/Chem./23]	Prof. Ayan Datta, Head, Associate Professor, Dept. of Spectroscopy, I.A.C.S., 2A & 2B. Raja S.C. Mullick Road, Jadavpur, Kolkata-700 032.	"Computational Studies of Homogeneous Catalysis by Platinum and Gold Complexes and Heterogeneous Catalysis by Clusters of Gold".	<b>22.07.2014</b>	<b>27.04.2015</b>
(f)	<b>Smt. Ipsita Hazra Chowdhury</b> [Index No.: 216/14/Chem./23]	Dr. Milan Kanti naskar, Principal Scientist, Sol-Gel Division, C.G.C.R.I., 196. Raja S.C. Mullick Road, Jadavpur, Kolkata-700 032.	"Mesoporous Titanium Based Materials and Composites for Environmental Applications".	<b>12.11.2014</b>	<b>29.01.2016</b>
(g)	<b>Smt. Rituparna Das</b> [Index No.: 215/14/Chem./23]	Dr. Milan Kanti naskar, Principal Scientist, Sol-Gel Division, C.G.C.R.I., 196. Raja S.C. Mullick Road, Jadavpur, Kolkata-700 032.	"Hierarchical Zeolite and Metal Doped Zeolite: Synthesis, Physicochemical Study and Application".	<b>11.11.2014</b>	<b>29.01.2016</b>

(h)	<b>Sri Atanu Rana</b> [Index No.: 95/11/Chem./21]	Dr. Abhishek Dey, Associate Professor, Dept. of Spectroscopy, I.A.C.S., 2A & 2B. Raja S.C. Mullick Road, Jadavpur, Kolkata-700 032.	"Theoretical Calculation and Spectroscopic Investigation of Metallo-enzyme and Synthetic Complexes Involved in Small Molecule Activation and Reduction".	<b>05.08.2014</b>	<b>27.04.2015</b>
(i)	<b>Smt. Sanchita Baitalik</b> [Index No.: 154/15/Chem./24]	Dr. Nijhuma Kayal , Senior Scientist, NOCC division, C.G.C.R.I., 196, Raja S. C. Mullick Road, Jadavpur, Kolkata- 700032	"Fabrication of oxide bonded porous SiC ceramics by an infiltration and sol-gel coated reaction bonding techniques".	<b>03.09.2015</b>	<b>07.02.2017</b>
(j)	<b>Sri Bikash Jana</b> [Index No.: 83/15/Chem./23]	Prof. Amitava Patra, Sr. Prof. and head, Dept. of Material Sc., I.A.C.S., 4, Raja S. C. Mullick Road, Jadavpur, Kolkata- 700032	"Photophysical Studies of $\pi$ - Conjugated Organic Molecules based Functional Nanomaterials".	<b>07.05.2015</b>	<b>12.02.2016</b>

**(3). DEPARTMENT OF GEOLOGICAL SCIENCE**

**(A) THE LIST OF THE FOLLOWING CANDIDATES & THE CONCERNED SUPERVISORS ARE REQUESTED TO BE PRESENT FOR PRE-THESIS SUBMISSION SEMINAR SCHEDULED TO BE HELD ON WEDNESDAY, 13<sup>TH</sup> SEPTEMBER 2017 AT 12-00 NOON IN THE DEPT. OF GEOLOGICAL SCIENCE, IN THE SEMINAR ROOM OF JADAVPUR UNIVERSITY:**

Sl. No.	Name of the candidates [Index No...]	Name of the Supervisor/s	Proposed Title of the Thesis	Date of Registration	Date of Publication of Course Work Result
(a)	<b>Smt. Madhumita Panja</b> [Index No.: 168/13/Geol. Sc./22]	Prof. Debasish Shome, Dept. Geological Science, J. U., Kolkata-32 and Dr. Gopal Chakrabarti, WBES, Joint Director of Public Instruction, Scholarship and Stipend, Govt. of West Bengal, Kolkata – 700 091.	"Paleoenvironment during Lower Proterozoic (Orosirian) sedimentation as evident from facies studies and petrography of Vempalle formation, Cuddapah basin, Andhra pradesh".	<b>07.10.2013</b>	<b>07.11.2014</b>

(b)	<b>Smt. Pampiya Chowdhury</b> [Index No.: 170/14/Geol. Sc./23]	Prof. Sisir Kanti Nag, Dept. Geological Science, J. U., Kolkata-32.	"Hydrogeological Investigation for Targeting Ground Water Potential Zone and Assessment of its Quality for Drinking and Irrigation Purpose – A Case Study in Khatra Block, Bankura Distriet, West Bengal".	29.09.2014	11.01.2016
(c)	<b>Sri Rajkrishna Dutta</b> [Index No.: 11/13/Geol. Sc./22]	Prof. Nibir Mandal, Dept. Geological Science, J. U., Kolkata-32.	<b><i>N.B.: Synopsis with title of the thesis is not submitted by the candidate.</i></b>	21.01.2013	22.12.2015

**(4). DEPARTMENT OF INSTRUMENTATION SCIENCE**



**(A)THE LIST OF THE FOLLOWING CANDIDATES & THE CONCERNED SUPERVISORS ARE REQUESTED TO BE PRESENT FOR PRE-THESIS SUBMISSION SEMINAR SCHEDULED TO BE HELD ON WEDNESDAY, 13<sup>TH</sup> SEPTEMBER 2017 AT 1-00 P.M. IN THE DEPT. OF INSTRUMENTATION SCIENCE, IN THE SEMINAR ROOM OF JADAVPUR UNIVERSITY:**

Sl. No.	Name of the candidates [Index No..]	Name of the Supervisor/s	Proposed Title of the Thesis	Date of Registration	Date of Publication of Course Work Result
(a)	<b>Sri Subhasish Patra</b> [Index No.: 4/12/Inst. Sc./21]	Prof. Radhaballabh Bhar, Dept. of Instrumentation Science, J. U., Kolkata-700032 and Dr. Sachindranath Das, Asst. Professor, Dept. of Instrumentation Science, J. U., Kolkata-700032	"Optical properties of nanomaterials and nanomaterial-polymer composites".	13.04.2012	<b>Duplicate held on. October, 2015</b>
(b)	<b>Sri Sangita Lahiry</b> [Index No.: 151/15/Inst. Sc./24]	Dr. Madhumita Manna, Principal, WBSES, Bidhannagar College, Salt Lake , Kolkata-700 064 and Prof. Sachindranath Das, Asst. Prof., Dept. of Instrumentation Science, J. U., Kolkata-700032	"Assessment of Antileishmianial Activity of some Medicinal Plants in India with Special Reference to the Trace Element Profiles of the Kala-Azra Patients".	28.08.2015	10.04.2017



**(5). DEPARTMENT OF MATHEMATICS**

(5). THE LIST OF THE FOLLOWING CANDIDATES & THE CONCERNED SUPERVISORS ARE REQUESTED TO BE PRESENT FOR PRE-THESIS SUBMISSION SEMINAR SCHEDULED TO BE HELD ON WEDNESDAY, 13<sup>TH</sup> SEPTEMBER 2017 AT 12-00 NOON IN THE DEPT. OF MATHEMATICS, IN THE SEMINAR ROOM OF JADAVPUR UNIVERSITY:

Sl. No.	Name of the candidates [Index No..]	Name of the Supervisor/s	Proposed Title of the Thesis	Date of Registration	Date of Publication of Course Work Result
(a)	<b>Sri Prasanta Basak</b> [Index No.: 31/13/Maths./22]	Prof. Subhas Chandra Mandal, Department of Mathematics, J. U., Kolkata-32.	"WAVE PROPAGATION IN ELASTIC MEDIA".	20.03.2013	16.04.2014

**(6). DEPARTMENT OF LIFE SCIENCE & BIO-TECHNOLOGY**

(6). THE LIST OF THE FOLLOWING CANDIDATES & THE CONCERNED SUPERVISORS ARE REQUESTED TO BE PRESENT FOR PRE-THESIS SUBMISSION SEMINAR SCHEDULED TO BE HELD ON WEDNESDAY, 13<sup>TH</sup> SEPTEMBER 2017 AT 1-00 P.M. IN THE DEPT. OF LIFE SCIENCE & BIO-TECHNOLOGY, IN THE SEMINAR ROOM OF JADAVPUR UNIVERSITY:

Sl. No.	Name of the candidates [Index No..]	Name of the Supervisor/s	Proposed Title of the Thesis	Date of Registration	Date of Publication of Course Work Result
(a)	<b>Smt. Shruti</b> [Index No.: 98/15/Life. Sc./24]	Prof. Pabitra Banik, Agricultural and Ecological Research Unit, I. S. I., 203, B. T. Road, Kolkata-700 108.	"ISOLATION, BIOCHEMICAL CHARACTERIZATION AND IDENTIFICATION OF BACTERIA FROM SOILS UNDER SYSTEM OF RICE INTENSIFICATION (SRI) AND ITS ENZYMETIC ASSAY".	12.05.2015	13.10.2015

(b)	<b>Sri Sudip Kumar Dutta</b> [Index No.: 63/13/Life.Sc./22]	Dr. Anusri Tripathi, Assistant Professor, Dept. of Biochemistry and Medical Biotechnology, School of Tropical Medicine, Kolkata, Chittaranjan Avenue, Kolkata-700 073	"Molecular understanding of Chikungunya virus pathogenesis infecting eastern Indian patient population".	<b>24.04.2013</b>	<b>26.11.2013</b>
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**N.B.: All enlisted candidates and concerned supervisors are requested to attend the meeting.**

**Sd/-**  
**(Dr. Atiskumar Chattopadhyay)**  
**Secretary**  
**Faculty Council of Science.**