

प्लाज्मा भौतिकी केंद्र-प्लाज्मा अनुसंधान संस्थान  
CENTRE OF PLASMA PHYSICS-INSTITUTE FOR PLASMA RESEARCH

परमाणु ऊर्जा विभाग के एक सहायता प्राप्त संस्थान, भारत सरकार  
An Aided Institute of Dept. of Atomic Energy, Govt. of India

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NOTICE

It our pleasure to bring to all your notice that the following works were presented from CPPIPR in PLASMA-2018 from 04-07 December 2018 at Department of Physics and Astrophysics, Delhi University, Delhi and the International Conference on Renewable and Alternate Energy (ICRAE-2018), Assam Science and Technology University, Guwahati respectively:

- (i) "Envisaging space propulsion experiment in a helicon source", P. K. Saha, M. Chakraborty, N. Sharma, N.K. Neog, M. Bandyopadhyay. Plasma 2018-Presented by Pabitra Kumar Saha
- (ii) "Effect of two-temperature electron on collisional magnetized plasma sheath Gunjan Sharma, S. Adikari, R. Moulick, S S Kausik, B K Saikia, Plasma 2018 -Presented by Gunjan Sharma
- (iii) "Effect of ion temperature on plasma sheath in presence of oblique magnetic field", Kishor Deka, S. Adikari, R. Moulick, S S Kausik, B K Saikia. Plasma 2018-Presented by Kishor Deka
- (iv) "Magnetized plasma sheath in presence of negative ions" Rupali Paul, S. Adikari, R. Moulick, S S Kausik, B K Saikia Plasma 2018 -Presented by Rupali Paul
- (v) "Plasma stream parameter measurement in pulsed plasma accelerator using optical emission spectroscopy", Azmirah Ahmed, N Talukdar, N. K. Neog. T. K. Borthakur--- Plasma 2018 -Presented by Azmirah Ahmed
- (vi) "Ion Dynamics Study in an Inertial Electrostatic Confinement Fusion Device and its Application in Explosive Detection", D. Bhattacharjee, N. Buzarbaruah, D. Jigdung, S.R. Mohanty Plasma 2018 -Presented by D. Bhattacharjee
- (vii) "Plasma material interaction studies of Tungsten under ITER relevant plasmas" Trinayan Sarmah, M. Kakati. ICRAE-2018-Presented by Trinayan Sarmah
- (viii) "Fusion Energy: A sustainable source for future generation", Pubali Dihingia, Trinayan Sarmah, Mohmoyuri Baruah, M. Kakati. ICRAE-2018-Presented by Ms. Pubali Dihingia
- (ix) "Inertial Electrostatic Confinement Fusion: A Source for Societal Applications" ICRAE-2018 N. Buzarbaruah, D. Jigdung, D. Bhattacharjee, S. R. Mohanty -Presented by N. Buzarbaruah

**Highlights of activities –**

- Mr. Donney Jigdung won the best oral presentation award in the PANE 2018 in November  
Mr. Nilanjan Buzarbaruah won the best poster award in ICRAE-2018  
Mr. Narayan Sharma from Helicon Plasma Source laboratory gave his pre-thesis submission presentation at Gauhati University in November.  
Mrs. P Hazarika from the Double Plasma Device laboratory gave her pre-thesis submission presentation at Gauhati University in November  
Ms. Rinku Mishra working in theoretical section gave her pre-thesis submission presentation at Gauhati University

**New Entrants:**

1. Ms. Jinti Barman joined as Project Scientific Officer C in NHIEL
2. Mr. Janmajit Das jointed as Project Scientific Officer C (IT) in CPPIPR

**Papers Published from CPPIPR:**

1. Influence of magnetic filter and magnetic cage in negative ion production in helicon oxygen plasma, N. Sharma, M. Chakraborty, N. K. Neog, and M. Bandyopadhyay. Physics of Plasmas **25**, 123503 (2018).

The CPPIPR fraternity congratulates all these colleagues and wishes them the very best.

Date: 13/12/2018



(B.K. Saikia)  
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