

Supplementary material (ESI) green chemistry

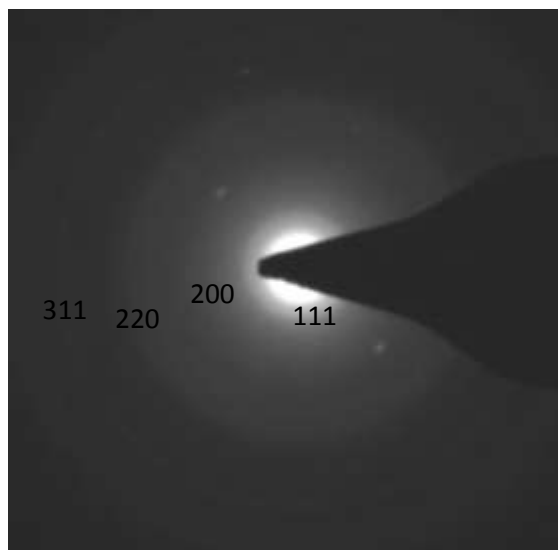
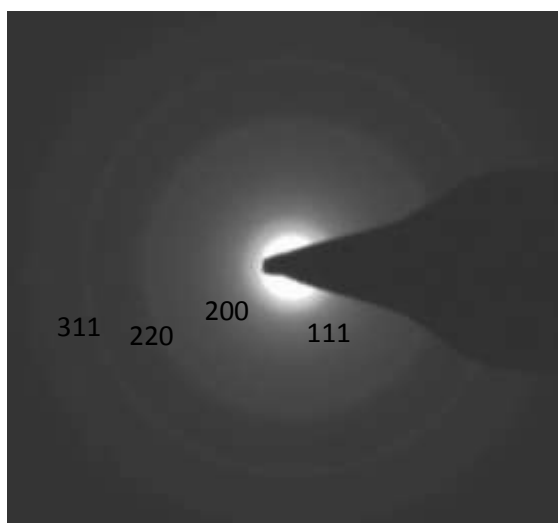
Single step catalytic liquid phase hydroconversion of DCPD into high energy density fuel *exo*-THDCPD

M. G. Sibi, Bhawan Singh, R. Kumar, C. Pendem, A. K. Sinha*

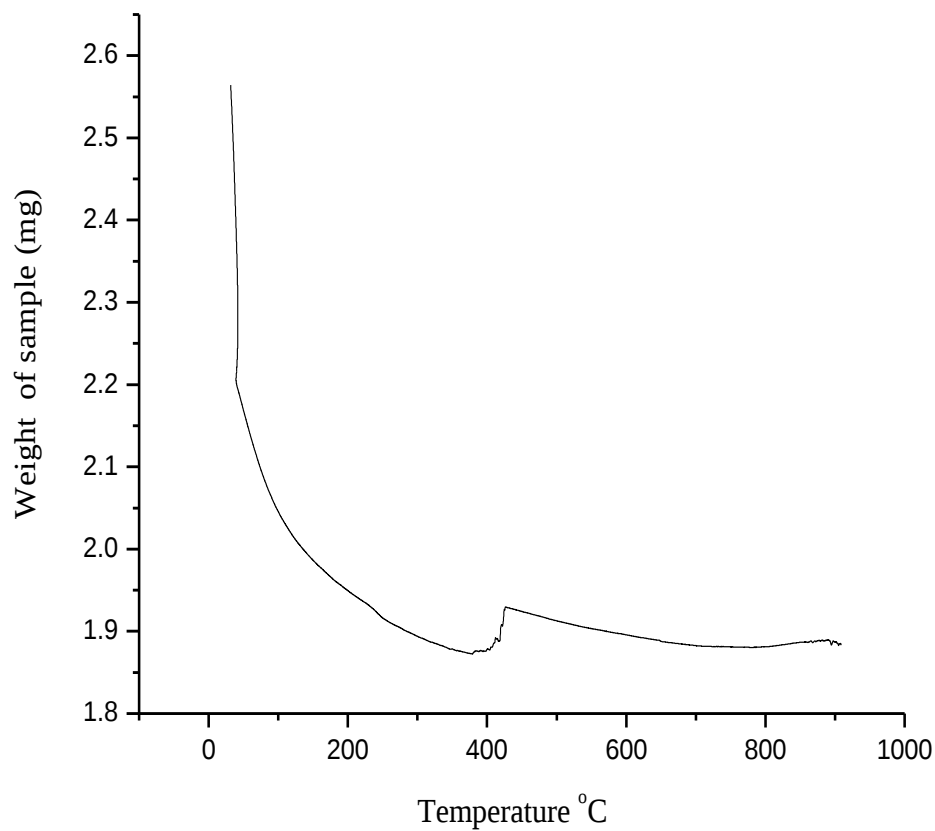
CSIR-Indian Institute of Petroleum, Dehradun – 248005, India.

**Corresponding author. E-mail: asinha@iip.res.in, Fax: +91-135-266-203; Tel: +91-1352525842*

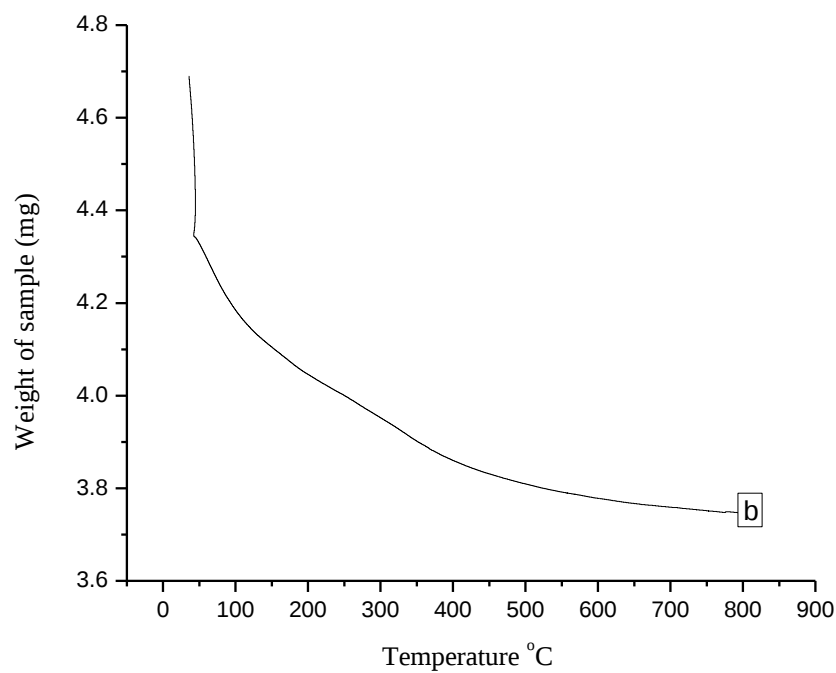
(1) The **SAED** patterns of fresh (top) and used (bottom) catalysts.



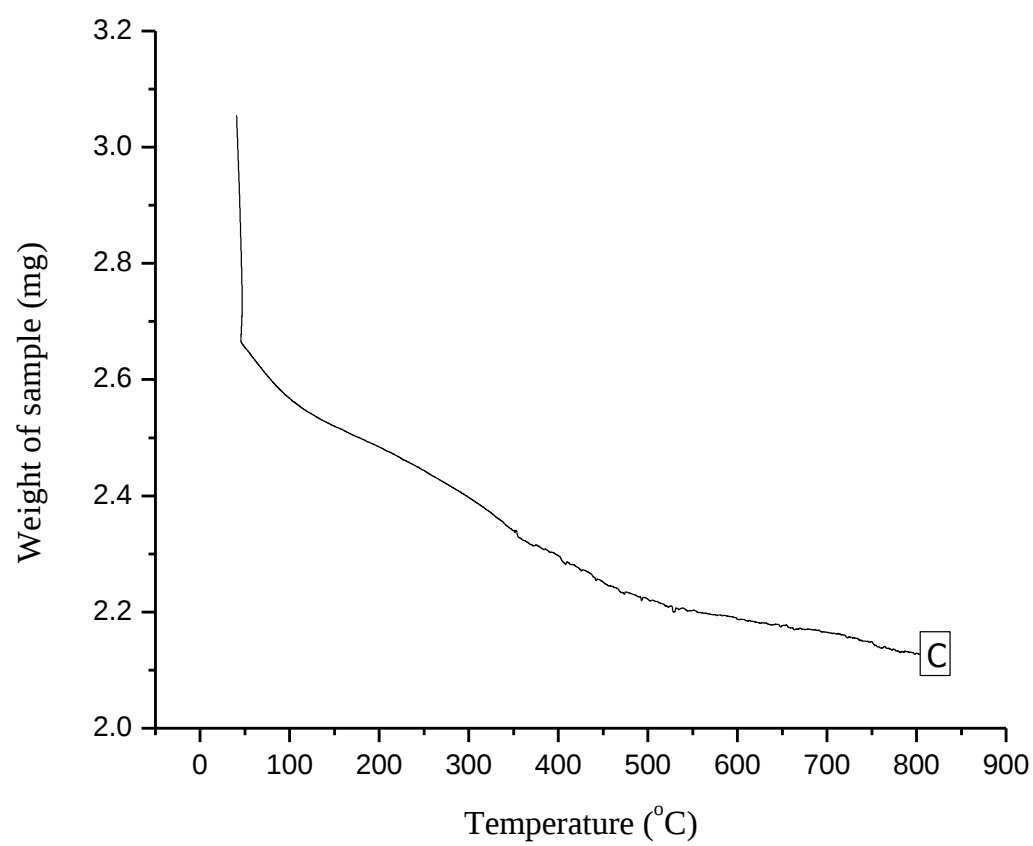
(2) TGA of Fresh catalyst, catalyst after 2nd reaction, catalyst after 5th reaction (a, b, c respectively)



Weight loss = 7.8%



Weight loss=8.5%



wt loss: 12.9%