GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

Sec-16–C, Dwarka Campus, Delhi–110 078

Website: www.ipu.ac.in

OFFICE OF THE DIRECTOR (RESEARCH & CONSULTANCY)

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L.No. GGSIPU/DRC/2021/479 Dated: 29.07.2021

CIRCULAR

In continuation of the DRC office circular no. **L.No.**GGSIPU/DRC/Ph.D./ 2021/432 dated 12.07.2021, Guru Gobind Singh Indraprastha University is in the process to compile the data of USS related to the research publications. In this regard a compendium will be prepared for the research publications related to the various schools as per the directions of the **Hon'ble Vice Chancellor**.

In this context, office of the Director, Research and Consultancy (DRC) is in the process to complete the data for the last 10 years. The publications done by the various fculty members of the USS in last 10 years (from Jan 2012 to June 30, 2021) in scopus, web of science and UGC listed journals will be included.

In the light of the above, **all the Deans** of the Univesity Schools of Studies are requested to please provide the publication data in Times New Roman with font size (12) in the annexed proformas (I and II) to the office of DRC. It will be highly appreciated if the required information is received by 10th August, 2021. The complied data through Deans please be sent on the email id: **drc@ipu.ac.in**

(Prof. N.C.Gupta)
Director (R&C)

Copy to :
1. All Deans, University School of Studies & Directors CEPS, CDMS.
2. AR to Hon'ble Vice Chancellor for kind information please.
3. AR to Registrar for kind information please.
4. Head UITS for uploading this notice on the university website.
5. Office copy.

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Annexure -I

PROFORMA FOR PUBLICATION

Name of the faculty : **Name of the School:**

Paper-I Paper title:

Author (s):

Affiliation (s):

Source : Journal Name, Volume, Issue, Year, pp----

ISSN No:

Abstract:

Keywords:

Paper -2 ----------

Paper-3 ----------

SAMPLE TEMPLATE

USBT-4.01

Title: In Vitro evaluation of antioxidant activity of extracts from the leaves of *Abies pindrow* Royle, and antimicrobial activity

Author(s): Gupta, D., Bhardwaj, R. and **Gupta, R. K.**

Affiliation(s): University School of Biotechnology, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, Delhi-110075, India

Source: African J. Tradit. Complementary Med. Vol. 8(4), (2011), pp 391-3978

Abstract: Traditionally, the leaves of *Abies pindrow* Royle are employed as an ayurvedic remedy for fever, hypoglycaemic, respiratory and inflammatory conditions. In this study, dichloromethane, methanol and acetone extracts of *A. pindrow* leaves were analysed for their phytochemical content and in vitro antioxidant activities. The methanol extract exhibited highest antioxidant activity while acetone extract showed presence of relatively high total phenol and flavonoids contents. The present study provides evidence that extracts of *Abies pindrow* leaves are a potential source of natural antioxidants and could serve as a base for future drugs.

USBT-4.02

Title: Phytochemical analysis & antioxidant activity of herbal plant *Doronicum hookeri* Hook f. (Asteraceae)

Author(s): Gupta, D.[1], Bleakley, B.[2] and **Gupta, R. K.**[1]

Affiliation(s): [1]University School of Biotechnology, Guru Gobind Singh Indraprastha University, Kashmere Gate, Delhi-110006, India; [2]Department of Biology & Microbiology, South Dakota State University, Brookings, South Dakota, USA 570007

Source: J. Medicinal Plants Research Vol. 5(3), (2011), pp 2736-2742

Abstract: In this study, *Doronicum hookeri* Hook f. roots were extracted with two solvents of different polarity and evaluated for their in vitro antioxidant activities. Of the two extracts, methanolic extract possessed higher phenolic content and thus higher free radical scavenging and reducing activities. In DPPH (2, 2- diphenyl-1-picryhydrazy) radical scavenging assay, methanolic extract showed scavenging similar to the standard BHT(butylated hydroxytoluene) (~85%) at concentration 0.5 mg/ml. Methanolic extract also exhibited more than 90% inhibition to ABTS radicals at concentration above 0.3 mg/ml. Reducing power activity of methanolic extract was also higher than dichloromethane extract. Dichloromethane extract was however rich in flavonoids and showed considerable metal chelating (78.684±0.659% at 0.5 mg/ml), nitric oxide (52.232±0.934% at 0.15 mg/ml) and superoxide radical (59.882±0.772% at 0.5 mg/ml) scavenging activities.