1) Full name: **SASWATI DANA**

2) PhD institution and year: **Indian Institute of Science, Bangalore, 2011 (2006-2011)**

3) Date of joining IISc: **January 2015 (as a postdoc)**

4) Area(s) of research: **Mathematical and Computational Science**

5) Name of the post-doctoral fellowship (if applicable): **Centre (CeNSE Postdoc**

6) Laboratory where currently working: **Complex Systems & Molecular Sensors (Cosmos Group with Dr. Manoj Varma)**

7) Department: **Centre For Nano Science and Engineering**

8) Email address and telephone number (not mandatory): **saswatidana.tah@gmail.com, 9483709910**

9) Topic(s) of research: **Synchronization phenomena of biological species.**

10) Research publications in IISc: <provide full citation information.>

- *Saswati Dana and Manoj M. Varma, Gas-selective Signal Amplification in Fluctuation based Graphene FET Sensors,* IEEE Sensors Journal, vol. 16, pp. 6533-6536, Sep 2016, doi: 10.1109/JSEN.2016.2585739.

- *Saswati Dana, Soumyendu Raha, A Positivity Preserving Numerical Method for Integrating Chemical Langevin Equations. Physically Consistent Simulation of Mesoscale Chemical Kinetics: the Non-Negative FIS-α Method,* Journal of Computational Physics. vol. 230, pp. 8813-8834, 2011, doi:10.1016/j.jcp.2011.07.032.

- *Saswati Dana, Takashi Nakakuki, Mariko Hatakeyama, Shuhei Kimura and Soumyendu Raha, Computation of restoration of ligand response in the random kinetics of a prostate cancer cell signaling pathway,* Computer Methods and Programs in Biomedicine. vol. 101, pp. 1-22, 2011, doi:10.1016/j.cmpb.2010.04.001 .

- *Tapan Kumar Nayak, Saswati Dana, Sujit Kumar Sikdar and Soumyendu Raha, Activator induced dynamic disorder and molecular memory in human two-pore domain hTREK1 K+ channel,* Journal of Chemical Biology, vol. 4, Number 2, pp. 69-84, Feb 2011, doi: 10.1007/s12154-010-0053-3.

11) Other accomplishments and recognition while in IISc:

12) <Attach a jpeg image of your recent photo. (not mandatory)

13) What information will be useful to post-docs if it is available on the post-doc page on the IISc website?

List the items. If you provide that information, it will be greatly appreciated.

i) **Post-docs can see what are the various diverse topics people are working in each labs in IISc.**

ii) **If any postdoc wants to work collaboratively with other post doc they can directly contact.**

14) A tweet about your post-doctoral experience in IISc (limit it to 140 characters).

It is a great experience working at IISc.