

Curriculum-Vitae

Suraj Raj Adhikari

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Education:

- ❖ M. Sc. Botany (**specialization: Plant Biotechnology and Plant Biochemistry**) (2008-2010), Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal.
- ❖ B. Sc. Botany (2004-2007), Prithvi Narayan Campus, Tribhuvan University, Pokhara , Nepal.
- ❖ +2 Science (2001-2003), Janapriya Multiple Campus, Pokhara, Nepal.
- ❖ S.L.C. (1991-2000), Shree Saraswati Secondary School, Bharat Pokhari-3, Kaski, Nepal.

Research Experience:

- 2011 to 2012 : Co-Principal Investigator on Research project entitled “**Distribution and Impact of *Parthenium hysterophorus* on Rangeland Ecosystem on Tarai and Mid Hills of Central Nepal**”, final Report Submitted to **LCC CRSP TIRI Project, Colorado State University Colorado, USA**
- 2011: Worked as a researcher in the project of **Up-Scaling of sustainable eco-friendly farming technology based on beneficial microbes (*Jeevatu*) implemented by Nepalese farming Institute** (NFI, Danchhi-4, Kathmandu) Nepal.
- 2011: **Phytochemical Analysis and Antimicrobial Activity of *In-Vitro* and *In-Vivo* materials of *Withania somnifera* (L.) Dunal**. Dissertation Submitted to the Central Department of Botany, Tribhuvan University.
- 2007: **Study of Biodiversity of Annapurna Conservation Area** submitted to Central Department of Botany, T.U, Kirtipur.

Research Publications

- Article entitled “**Effect and application of ionization radiation (X-ray) in living organism.**” published in “*The Himalayan physics*”, vol.3 no.3 (2012). <https://www.nepjol.info/index.php/HP/article/view/7315>
- Article entitled “**Antimicrobial activity of chemical compounds from *in vivo* roots and *in vitro* callus of *Withania somnifera* (L.) Dunal.**” published in “*Biomedicine and Biotechnology*”, vol.1 no. 2 (2013). <http://www.sciepub.com/BB/abstract/1135>
- Article entitled “**Induction and proliferation of *in vitro* mass of callus of *Withania somnifera* (L.) Dunal.**” published in “*Research in Plant Sciences*”, vol.1 no. 3 (2013). <http://www.sciepub.com/PLANT/abstract/950>
- Article entitled “**Effect of colchicine on production of secondary metabolites from callus of *Withania somnifera***” published in “*J. Nep. Biotech Assoc*”, vol.3 (2013).
- Article entitled “**Effect of microbial treatment (jeevatu) on Rice (*Oryza sativa* L.) production.**” published in “*International Journal of Applied Sciences and Biotechnology*”, vol.1 Issue 4 (2013). <https://www.nepjol.info/index.php/IJASBT/article/view/9134>
- Article entitled “**Ethnomedical botanical survey in annapurna conservation area (ACA), Nepal.**” published in “*Nat Sci*,” vol.13 no.6 (2015). <http://www.sciencepub.net/nature.8>
- Article entitled “**The Medicinal uses of *Tinospora cordifolia* (Gurjo).**” published in “*Himalayan Biodiversity*”, vol.7 (2019).
- Article entitled “**Non-edible seed for the production of Biodiesel.**” published in “*Himalayan Biodiversity*”, vol.8 (2020).
- Article entitled “**Economic Value of Agarwood and Its Prospects of Cultivation.**” published in “*Int.J.Appl.Sci.Biotechnol*”, vol 9 no1 (2021). <http://nepjol.info/index.php/IJASBT23>

Research Report

- **Distribution and impact of *Parthenium hysterophorus* on rangeland ecosystem on Tarai and mid hills of Central Nepal**, LCC CRSP TIRI Project, Colorado State University Colorado, USA

Teaching Experience

- 2017 to date: **Part Time Teacher** at Prithvi Narayan Campus, Bagar, Pokhara.

Grants and Fellowship

- **2011: Early career Research fellowship**, Awarded by LCC CRSP TIRI (Targeted investment Research with impact) Project, Colorado state university, Fort Collins, USA.
- **2009: CNSP Research Grant** : Awarded by Cornell Nepal Study Program (a study abroad program of Cornell University, Ithaca, New York, U.S.A) for the completion of Master dissertation.
- **2004: George John Scholarship** Awarded by **George John Education Foundation**, Prithvi Narayan Campus, Pokhara. as a diligent students from Science and technology.

Paper Presentation

- Paper presentation on SAARC Regional Workshop entitled “**Effect of *Jeevatu* on different crops in Bharat Pokhari**” 5-6 july 2011, Dhulikhel, Nepal
- Poster presentation entitled “**Phytochemical Analysis and Antimicrobial activity of *In-vitro* and *In-vivo* material of *Withania somnifera*(L.) Dunal.**” in **National Workshop on Natural Products Chemistry and Laboratory Methods**, Pokhara University.