

## List of Publications (accepted/published/communicated)

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1. **Dhiraj Kumar Choudhary**, and Abha Mishra (2018), "In vitro and in silico interaction of faba bean (*Vicia faba* L.) seed extract with xanthine oxidase and evaluation of antioxidant activity as a therapeutic potential." *Natural product research, Taylor & Francis Publication*. DOI: [10.1080/14786419.2018.1460831](https://doi.org/10.1080/14786419.2018.1460831)
2. **Dhiraj Kumar Choudhary**, and Abha Mishra (2017), "In vitro and in silico interaction of porcine  $\alpha$ -amylase with *Vicia faba* crude seed extract and evaluation of antidiabetic activity." *Bioengineered*, DOI: [10.1080/21655979.2016.1235102](https://doi.org/10.1080/21655979.2016.1235102)
3. **Dhiraj Kumar Choudhary**, and Abha Mishra (2018), "In vitro investigation of hypoglycemic and oxidative stress properties of fava bean (*Vicia faba* L.) seed extract in *Saccharomyces cerevisiae* 2376." *Preparative Biochemistry and Biotechnology*, pp.1-10. DOI: [10.1080/10826068.2018.1525560](https://doi.org/10.1080/10826068.2018.1525560)
4. **Dhiraj Kumar Choudhary**, Abha Mishra, Navaneet Chaturvedi and Amit Singh (2019), Characterization, inhibitory activity and mechanism of polyphenols from faba bean (gallic-acid and catechin) on  $\alpha$ -glucosidase: insights from molecular docking and simulation study. *Preparative biochemistry & biotechnology*, pp.1-10.
5. **Dhiraj Kumar Choudhary**, Abha Mishra and Aishwarya Mittal (2018), "Exploring the hypoglycemic potential of *Vicia faba* crude seed extract in *Saccharomyces cerevisiae* 3187." *Research Journal of Biotechnology*, 13(7), pp. 41-48.
6. **Dhiraj Kumar Choudhary**, Abha Mishra, Navaneet Chaturvedi and Amit Singh (2019), Hypoglycaemic Effects, Oxidative Stress Potential and Xanthine-oxidase Activity of Polyphenols derived from Faba bean on 3 T3-L1 Cell line, *Journal of Herbal medicine* (**Communicated**).
7. **Dhiraj Kumar Choudhary**, Abha Mishra, Navaneet Chaturvedi and Amit Singh (2019), Polyphenols from Faba Beans: Strategy for Extraction, Purification, and Characterization and its Therapeutic Potentials. *Food review International* (**communicated**).
8. **Dhiraj Kumar Choudhary**, Abha Mishra, Navaneet Chaturvedi and Amit Singh (2019), "Catechin isolated from faba beans: Insights through hypoglycemic and oxidative stress effect" . *Preparative Biochemistry & biotechnology* (**Communicated**).