

## RESUME

Girijesh Kumar Patel, PhD  
**Mitchell Cancer Institute**  
University of South Alabama  
1660 Spring Hill Avenue  
Mobile, AL -36604, USA  
Contact No: +1-541-314-1384  
Email ID: [patelgirijesh@gmail.com](mailto:patelgirijesh@gmail.com),  
[gpatel@health.southalabama.edu](mailto:gpatel@health.southalabama.edu)

---



### Area of Research Interest:

- Protein biochemistry & enzymology, proteins in cancer pathogenesis & drug resistance, molecular biology & bioinformatics

### Research Fellowships:

- Post-doc Fellow at Mitchell Cancer Institute, University of South Alabama, USA (March 2015 to date).
- Post-doc Fellow at Oregon State University USA (January 2014 to March 2015).
- Junior Research Fellow & Senior Research Fellow from Ministry of Human Resource Development (**MHRD**), **Govt. of India** to pursue PhD at **IIT Roorkee**, India (July 25, 2007 to December 22, 2011).
- Junior Research Fellow **DBT, Govt. of India** – August 3, 2005 – July 21, 2007 at **ICAR**- National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau, U.P., India.

### Academic Qualifications:

- PhD: (Biotechnology) in 2012 Department of Biotechnology, IIT Roorkee, U.K., India – Grade A
- M.S. (Biotechnology) in 2004 from D.D.U. Gorakhpur University, U.P., India – I Class.
- B.S. (Botany & Chemistry) in 2002 from D.D.U. Gorakhpur University, U.P., India – I Class.

### Award and Distinction:

- **Young Investigator Awards-2016** from American Association of Indian Scientists in Cancer Research (AAISCR) USA.
- Graduate Aptitude Test in Engineering (**GATE**)-2007, AIR-90 in Life Science-Percentile 99.74
- Graduate Aptitude Test in Engineering (**GATE**)-2004, AIR-290 in Life Science-Percentile-94

### Sponsored Project:

- Received a project Grant from Uttarakhand Council of Science & Technology (UCOST), India on “Cloning and characterization of DAHP synthase gene from *Parthenium hysterophorus* weed: A novel target for herbicide design.

### Additional Scientific Activities:

- Editorial board member of peer review Journal- *Biotechnology International* (<http://bti.org.in/>)
- Assistant Editor of peer review Journal- *Journal of Experimental Biology and Agricultural Sciences* (<http://www.jebas.org/>)
- Invited reviewer for **PLoS One, Medicine, Medicinal Chemistry Research, Applied Biochemistry & Biotechnology and Neural Computing and Applications** Journals.

**Publications:**

**a. Journals:**

1. Bhardwaj A., Zubair H., Ahmad A., Khan M.A., Srivastava S.K., **Patel G.K.**, Singh S., Sing A.P (2016) Multi-targeted effects of hydroxytyrosol, and induction of apoptosis and cell cycle arrest in prostate cancer cells. *Nutrition and Cancer (Revised)* ISSN: 0163-5581, **IF: 2.0**
2. Verma P., **Patel G.K.** Kar B., Sharma A.K. (2016) A case of neofunctionalization of a PNP protein to trypsin inhibitor by disrupting the PNP-UDP domain through an insert containing inhibitory site. *Plant Science (Under Review)* ISSN: 0168-9452, **IF 3.3**
3. Kar B., Verma P., **Patel G.K.** Sharma A.K. (2016) Molecular cloning, characterization and *in silico* analysis of a thermostable  $\beta$ -glucosidase enzyme from *Putranjiva roxburghii* with a significant activity for cellobiose. *Phytochemistry (Revised Jan 10)*, ISSN: 0031-9422, **IF-2.77**
4. Zubair H., Azim S., Ahmad A., Khan M.A., Patel G.K. Singh S. and Singh A.P. (2017) Cancer chemoprevention by phytochemicals: nature's healing touch. *Molecules (Accepted)* ISSN 1420-3049 **IF-2.46**
5. Khan M.A. Bhardwaj A., **Patel G.K.**, Zubair H., Singh S., Khushman M, Sing A.P (2016). Therapeutic resistance in pancreatic cancer: there is always light at the end of the tunnel. *International Journal of Molecular Sciences. (Revised)* ISSN 1661-6596, **IF-3.25**
6. Khushman M., Bhardwaj A., **Patel G.K.**, Laurini J.A., Roveda K, Tan M., Patton M.C., Singh S., Taylor W., Singh A.P. (2016) Exosomal markers (CD63 and CD9) expression pattern using immunohistochemistry (IHC) in resected malignant and non-malignant pancreatic specimens. *Pancreas (Revised)* ISSN: 0885-3177, **IF: 2.74**
7. **Patel G.K.**, Khan M.A., Bhardwaj A., Srivastava S.K., Zubair H., Patton M., Singh S., Khushman M., Singh A.P. (2016) Exosomes confer chemoresistance to pancreatic cancer cells by promoting ROS-detoxification and miR-155-mediated suppression of key gemcitabine-metabolizing enzyme, DCK. *British Journal of Cancer doi: 10.1038/bjc.2017.18* ISSN 0007-0920, **IF: 5.57**
8. Zubair H., Azim S., Srivastava S.K., Ahmad A, Bhardwaj A., Khan M.A., **Patel G.K.**, Sumit Arora, Carter J.E., Singh S., Singh AP (2016). IKK-epsilon overexpression leads to reprogramming of glucose metabolism and promotes pancreatic tumor growth. *Cancer Research* 76(24):7254-7264 DOI: 10.1158/0008-5472.CAN-16-1666; ISSN: 0008-5472, **IF: 9.3**
9. **Patel G.K.**, Paton M.C., Khusman M., Singh S. Singh A.P. (2016). Pancreatic cancer exosomes: shedding off for a meaningful journey. *Pancreatic Disorders & Therapy*, 6:2 e148 <http://dx.doi.org/10.4172/2165-7092.1000e148>. ISSN: 2165-7092 **IF-0.91**
10. Tomar P.P., Chaudhary N.S., Mishra, P., Gahlath D., **Patel G.K.**, Selvakumar P., Sharma A.K. (2014) Purification, characterization and cloning of a 2S albumin with DNase, RNase and antifungal activities from *Putranjiva roxburghii*. *Applied Biochemistry and Biotechnology*. 174,471–482. DOI 10.1007/s12010-014-1078-9 ISSN: 0273-2289, **IF 1.943**
11. **Patel G.K.**, Gupta A.K., Singh P., Saxena A.K., Sharma A.K.(2013) Purification and physic-characterization of a trypsin inhibitor from *Cassia absus* Linn. *Protein & Peptide Letter*, 21, 108-114 ISSN: 1875-5305, **IF-1.994**
12. **Patel G.K.** Kawale A.A., Sharma A.K. (2012) Purification and physicochemical characterization of a serine protease with fibrinolytic activity from latex of a medicinal herb *Euphorbia hirta*. *Plant Physiology and Biochemistry*.52, 104-111 DOI:10.1016/j.plaphy.2011.12.004, ISSN: 0981-9428 **IF 2.97**.
13. **Patel G.K.**, Kar B. and Sharma A.K., (2012) Characterization of a thermostable family 1 glycosyl hydrolase enzyme from *Putranjiva roxburghii* seeds. *Applied Biochemistry and Biotechnology* 166:523–535, 10.1007/s12010-011-9445-2, ISSN: 0273-2289, **IF 1.943**.

14. \*Tapas S., \*Patel G.K., Dhindwal S. and Tomar S. (2011) *In silico* sequence analysis and molecular modeling of the three-dimensional structure of DAHP synthase from *Pseudomonas fragi*. **Journal of Molecular Modeling** 17 (4) 621-631, (\*contributed equally). ISSN: 1610-2940, **IF 2.4**
15. Patel G.K., Shee C., Gahloth D., Selvakumar P., Sharma A.K. (2011) Stability of *Murraya koenigii* miraculin-like protein in different physicochemical conditions. **Medicinal Chemistry Research** 20 (9) 1542-1549 DOI: [10.1007/s00044-010-9404-4](https://doi.org/10.1007/s00044-010-9404-4), ISSN: 1054-2523, **IF-1.43**.

**b. Book:**

1. Babu V., Thapliyal A. and Patel G.K. (Eds.) (2013) **“Biofuels Production”** ISBN:978-11-1863-450-9 Scrivener Publishing-Wiley, 1303 Chestnut, Ave., Austin TX-78702

**c. Book Chapters:**

1. Komal Saxena, G. K. Aseri, **Girijesh Kumar Patel** and Vikash Babu. (2013) Molecular Biology of Nitrile Metabolizing Enzymes In: *Molecular Biology of Bacteria*. Nova Science Publisher, pp 31-53, ISBN: 978-1-62618-189-2.
2. Ruchika Goyal, Vikash Babu and **Girijesh Kumar Patel\*** (2013) Biomethane Production in “Biofuels Production” Babu V., Thapliyal A. and Patel G.K. (Eds.) **Scrivener Publishing-Wiley**, pp-333-356. ISBN:978-11-1863-450-9 \*Corresponding Author

**Research & Teaching Experience:**

**March 2015 to Date:** Currently, I am working as a Post-Doc fellow at Mitchell Cancer Institute, University of South Alabama, AL USA.

**Jan 2014 to March 2015:** Worked as Post-Doc Fellow at Oregon State University, OR, USA

**March 2012 to December 2013:** Served as Assistant Professor at Graphic Era Deemed University, Dehradun, India.

**July, 2007 to Dec, 2011:** During my 4.5 years of doctoral research under the supervision of Dr. A. K. Sharma, Associate. Prof., **Department of Biotechnology, IIT Roorkee, India.**

**August, 2005 to July, 2007:** Worked as a Junior Research Fellow at (NBAIM)-Indian Council of Agriculture Research (ICAR).

**July 2004 to July 2005:** Worked as lecture at Indian Institute of Engineering and Information Technology (IIEIT) Gorakhpur.

**Personal details:**

Name : Girijesh Kumar Patel  
Father's Name : Shri C. Das  
Date of Birth & Place : November 26, 1981 (Maharajganj, U.P., India)  
Nationality : Indian  
Sex : Male  
Marital Status : Married  
Language Known : Hindi & English (R/W/S), Sanskrit (R/W)

**Corresponding Address:**

Girijesh Kumar Patel, PhD  
Mitchell Cancer Institute,  
University of South Alabama.  
1660 Spring Hill Ave.  
Mobile-36604, AL, USA  
Phone No: + 1-541-314-1384  
Email: [patelgirijesh@gmail.com](mailto:patelgirijesh@gmail.com),  
[gpatel@health.southalabama.edu](mailto:gpatel@health.southalabama.edu)

**Declaration:**

I declare that the information furnished above is true and correct to the best of my knowledge and belief.

**Date:** February 15, 2016

**Place:** Mobile, AL, USA



**Signature**

## EDITOR AGREEMENT

THIS AGREEMENT is made effective as of 10 February, 2017 between

Girijesh K. Patel ("ASSISTANT EDITOR") and JOURNAL OF

EXPERIMENTAL BIOLOGY AND AGRICULTURAL SCIENCES, with its principal

office located at DIDWANA, NAGPUR, RAJASTHAN, INDIA.

WHEREAS, Journal of Experimental Biology and Agricultural Sciences is a NON PROFITABLE and NONGOVERNMENTAL organization, which publishes professional journals and desires to appoint Editor to serve as the Assistant Editor of Journal of Experimental Biology and Agricultural Sciences ("Journal"), and Editor is willing to serve in accordance with the terms and conditions of this Agreement. Now therefore both the parties agree for:

1. **Tenure(s)** : This appointment is initially for two years which begins with the Volume 5 issue I, later on this will be automatically renew for next year and it will be continues maximum of four (4) years. This Agreement may also be terminated as provided in Section 07.

2. **Responsibilities of the Editor:** The Assistant Editor works for maintaining editorial policies. Assistant Editor will have full right to evaluate the manuscripts and accept them for publication. This will be a remunerative work.

3. **Non-Competition and Conflicts of Interest:** Publisher expect from the Assistant Editor that he/she shall not engage in actions which may constitute an actual, apparent or potential conflict of interest with the mission and activities of the Journal or Publisher, will follow applicable policies and procedures related to the Journal, and will disclose to the Publisher any such conflict of interest and any business, financial, and organizational interests and affiliations which are or could be construed to be a conflict of interest.

**Compensation:** This is an honorary position and Publisher shall not provide any annual honorarium to the Editor for editorial work.



5. **Editorial Control and Content:** Assistant Editor shall be responsible for the educational content of journal. The Publisher as the owner of copyright in the Journal and all editorial content published in the Journal shall have the right of prior review and consultation, if it desires, on any editorial content to be published in the Journal. "

6. **Name and Likeness:** Editor does not have any problem if Publisher uses Editor's name, photograph, and biographical information in the Journal and in advertising and promotional materials related to the Journal.

07. **Termination:** Both Publisher and Assistant Editor have equal right to terminate this Agreement without any further obligation upon thirty days prior written notice.

08. **Entire Agreement and Amendment:** This Agreement constitutes the entire agreement between the parties and supersedes any other agreement in any form between the parties, and it may not be amended except by a written amendment signed by both parties.

**IN WITNESS WHERE OF,** the parties agree to all of the foregoing terms and conditions on the effective date of this Agreement first above written.



Journal of Experimental Biology  
and Agricultural Sciences

Editor

Signature Kanup

Signature Girijesh

Name/Title Dr. Kamal Kishore Chaudhary  
Managing Editor  
Journal of Experimental Biology and Agricultural Sciences

Name Girijesh K. Patel

Date: 10/02/2017

Date: Feb 15, 2017