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BIOGRAPH

V. K. Morya is an Assistant Professor in the Department of Biological Engineering, Inha University, Korea. He received his Bachelor's degree in Biology from the Deen Dayal Upadhyay, Gorakhpur University, Gorakhpur, and his Master and Ph.D. in Biotechnology from same University. His research focuses on microbial and molecular biotechnology. He has reviewed manuscripts for various journals.

RESEARCH INTERESTS

Sustainable product development through microbs, especially Aspergillus

Industrial enzyme

Biomass hydrolysis

Antimicrobial

Natural product bases cosmetics and antimicrobial agent identification and development

Target based cosmetic agent identification.

RECENT PUBLICATIONS (2012 ONWARD)

1. **V. K. Morya***, Nguyen Hoang Dung, Hyang-Bok Lee, Eun-ki kim, (2014). Screening and modeling of P-protein in a quest for novel antimelanogenic agent. **Experimental Dermatology.** 23(11):838-42
2. Ngoc Lan Mai, Kihun Ahn, Sang Woo Bae, Dong Woo Shin, **Vivek Kumar Morya**, and Yoon-Mo Koo, (2014). Enzymatic synthesis of sugar fatty acid ester in ionic liquids mixture: response surface methodology optimization and scale-up production**. (Biotechnology Journal) (Accepted)** doi: 10.1002/biot.201400099.
3. **V. K. Morya,** Yachna Singh, Birendra K Singh and G. Thomas (2014), Ecogenomics of Geminivirus from India and neighbor countries: An *in silico* analysis of recombination phenomenon **. Interdisciplinary Science: Computational Life Science. 6: 1-9**
4. **V. K. Morya***, Sangjoo Park, Dong Hoang Nguyen, Birendra K Singh, Hyang-Bok Lee, Eun- Ki Kim* (2014). Unrevealing the role of P-protein on melanosome biology and structure, using siRNA mediated down regulation of OCA2. Molecular and Cellular Biochemistry (**Accepted)**
5. **V. K. Morya*,** Shin Jae Dong, Eun-ki Kim (2014). Production and characterization Te-peptide by induced autolysis of Saccharomyces cerevisiae. **Applied Biochemistry and Biotechnology**. 172(7):3390-3401
6. **V. K. Morya,** Wooyoung Choi, Eun-ki Kim (2014). Isolation and characterization of Pseudoalteromonas sp. strain from fermented Korean food, as an antagonist to Vibrio harveyi. **Applied microbiology and biotechnology.** 98 (3):1389–1395.
7. **V. K. Morya,** J.H. Park, T.J. Kim, S Jeon, E.K. Kim.(2013), Production and characterization of low molecular weight sophorolipid under fed-batch culture. **Bioresour Technol.**143:282-8. doi: 10.1016/j.biortech.2013.05.094.
8. **V. K. Morya**, Sanggui Jeon, and Eun-Ki Kim**,** (2013). Medicinal and Cosmetic Potentials of Sophorolipids**; Mini reviews in Medicinal chemistry,** 13(12):1761-1768.
9. **V. K. Morya,** Man-ki Son, Hyang-Bok Lee, Eun-ki Kim, (2013) Design and optimization of SPR based binding assay for evaluation and screening of MITF-E-box binding inhibitor **Molecular biotechnology,** 56:265–273. DOI: 10.1007/s12033-013-9705-1
10. **V. K .Morya,** Jungeun Kim, & Eun-Ki Kim (2012), Algal fucoidan: structural and size dependent bioactivities and their perspectives**, Applied Microbiology and Biotechnology**, 93(1); 71-82, DOI: 10.1007/s00253-011-3666-8
11. **V. K. Morya*,** Varun Dewaker, Eun-Ki Kim (2012) In Silico Study and Validation of Phosphotransacetylase (PTA) as a Putative Drug Target for Staphylococcus aureus by Homology-Based Modelling and Virtual Screening. **Applied Biochemistry and Biotechnology**, 168(7):1792-805; 10/2012; DOI:10.1007/s12010-012-9897-z
12. **V. K. Morya**, Sangeeta Yadav, Eun-Ki Kim and Dinesh Yadav (2011), *In silico* characterization of alkaline proteases protein sequences of different species of *Aspergillus*. ***Applied Biochemistry and Biotechnology.*** 166 (1); 243-257,
13. **V. K. Morya***, Shalini Kumari, Eun-Ki Kim (2012), Virtual screening and evaluation of Ketol-Acid Reducto-Isomerase (KARI) as a putative drug target for Aspergillosis Clinical proteomics, 9 (1)
14. **V. K. Morya* (2012)** Omics for Metabolic Reconstruction Engineering: The Current Trend. **J Proteomics Bioinform/** Vol.5.11 xviii-xix (2012).
15. **V. K. Morya*** (2012) Open access Biological Information: Deeds of Need. J Proteomics Bioinform 5: i-i.

ACHIEVEMENTS

Isolated and purified Aspergillus

Sr No.	Designated Strain No.	Aspergillus identified (Assigned accession number)	Deposited at
1	AF 020	A. flavus (MTCC 8835)	**Microbial Type Culture Collection and Gene Bank Institute of Microbial Technology Sector 39-A, Chandigarh-160036 (India) Phone +91-172-2690562 Fax: +91-172-2695215 http://mtcc.imtech.res.in/**
2	AF 025	A. flavus (MTCC 8836)	
3	AF 030	A. flavus(MTCC 8837)	
4	AF 081	A. flavus (MTCC 8838)	
5	AF 155	A. awamori(MTCC 8839)	
6	AF 161	A. awamori(MTCC 8840)	
7	AF 170	A. tamari (MTCC 8841)	
8	AF001	A. flavus (NIICC-08142)	**National Institute for Interdisciplinary Science and Technology Council of Scientific and Industrial Research, Government of India Pappanamcode, Thiruvananthapuram 695019, Kerala, India http://www.niist.res.in**
9	AF 005	A. flavus (NIICC-08143)	
10	AF 006	A. flavus (NIICC-08144)	
11	AF 009	A. flavus (NIICC-08145)	
12	AF 015	A. flavus (NIICC-08146)	
13	AF 016	A. flavus(NIICC-08147)	
14	AF 018	A. flavus(NIICC-08148)	
15	AF 019	A. flavus (NIICC-08149)	
16	AF 024	A. flavus (NIICC-08150)	
17	AF 032	A. flavus (NIICC-08151)	
18	AF 074	A. tamari (NIICC-08152)	
19	AF 080	A. niger (NIICC-08153)	
20	AF 168	A. awamori (NIICC-08154)	
21	AF 173	A. tubingensis (NIICC-08155)	
22	AF 211	A. awamori (NIICC-08156)	
23	AF 220	A. flavus (NIICC-08157)	
24	AF 275	A. awamori (NIICC-08158)	
25	AF 281	A. flavus (NIICC-08159)	
26	AF 325	A. flavus (NIICC-08160)	
27	AF 361	A. awamori (NIICC-08161)	
28	AF 401	A. tamari (NIICC-08162)	
		Total	28

PATENTS

Two Granted

Three Filed

1. Eun-Ki Kim and **V. K. Morya**. Pharmaceutical Compositions for Preventing or Treating a Microorganism Infection Disease Comprising a Chemical Compound with an Inhibitory Activity Against Phosphotransacetylase. Korean Patent (**File No. 10-2013-0078890**).
2. Eun-Ki Kim, H. B. Lee, **V. K. Morya**, Dung Hoang Nguyen. Composition for skin whitening comprising 5-cyano-6-[(3-methoxybenzyl)sulfanyl]-2-methyl-N-phenyl-4-(2-thienyl)-1,4-dihydro-3-pyridinecarboxamide as effective component and uses thereof: Korean Patent (**File No10-2013-0057517**),
3. Eun-Ki Kim, H. B. Lee, **V. K. Morya**, Dung Hoang Nguyen. Composition for skin whitening comprising methyl 5-cyano-6-([2-(4-methoxyphenyl)-2oxoethyl]sulfanyl)-2-methyl-4- (2-thienyl)-1,4-dihydro-3-pyridinecarboxylate as effective component and uses thereof: Korean Patent (**File No10-2013-0057518**),
4. Eun-Ki Kim, H. B. Lee, **V. K. Morya**, Dung Hoang Nguyen. Composition for skin whitening comprising 3-(1-adamantyl)-6- amino-4-(4-bromophenyl)-2,4-dihydropyrano[2,3-c]pyrazole-5-carbonitrile as effective component and uses thereof: Korean Patent (**File No10-2013-0057519**),
5. Eun-Ki Kim, H. B. Lee, **V. K. Morya**, Dung Hoang Nguyen. Composition for skin whitening comprising 6-amino -4-(3-bromo-4-fluorophenyl)-3-(3,4-dimethylphenyl)-2,4-dihydropyrano[2,3-c]pyrazole-5-carbonitrile as effective component and uses thereof: Korean Patent **(File No10-2013-0057520**),

CURRENT WORK

Target based cosmetics

Ionic Liquid mediated biotechnology

Journal of Proteomics & Bioinformatics
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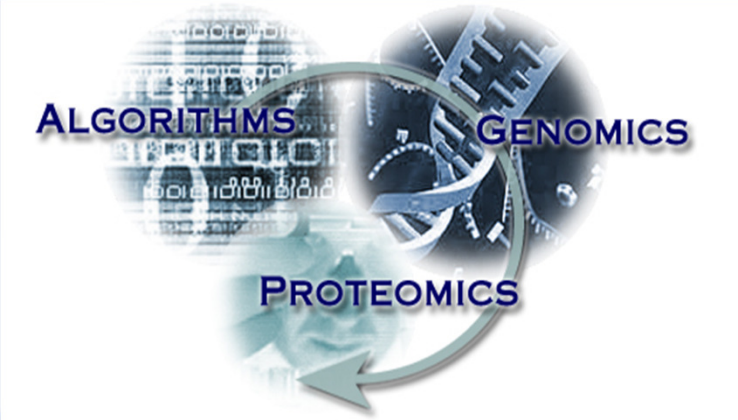
- Transcriptomics: Open Access
- Journal of Pharmacogenomics & Pharmacoproteomics
- Journal of Data Mining in Genomics & Proteomics



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