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3. **Designation:** Scientist Grade-II
4. **Division/LAB:** Head-IT Cell, Therapeutic Antibodies Laboratory
5. **Educational Qualification:**

   PhD in Life Sciences (JNU, New Delhi/Institute of Microbial Technology-CSIR, Chandigarh)
6. **Year of Joining:** 2022
7. **Research Interest:** Similar Biologics (Monoclonal Antibodies, Enzymes and Hormones), Recombinant therapeutics and expression systems, In-vitro Diagnostics

8. **Professional Experience:**

   - Senior Research Scientist (2020-2022): Biotech Dept., Mankind Research Centre (R&D Division of Mankind Pharma Ltd., New Delhi)
   - Research Scientist (2016-2020): Biotech Dept., Mankind Research Centre (R&D Division of Mankind Pharma Ltd., New Delhi)
   - Scientist-C (2015): Dept. of Transplant Immunology and Immunogenetics, AIIMS New Delhi
   - Post-Doctoral Fellow (2013-2015): Universidad Politécnica de Madrid (Spain).
   - Doctoral Fellow (2005-2012): Institute of Microbial Technology, Chandigarh.

9. **Major Publications:**

<u>Research Patents</u>

- Patent (2017): EP2859100B1, Jagmohan Singh and Hemant K Verma "An expression vector containing strong promoter useful for high level expression of heterologous genes in *Schizosaccharomyces pombe* and method for production of desired proteins thereof"

- Patent (2014): WO/2013/186788 A3, PCT Application No. : PCT/IN2013/000247, Jagmohan Singh and Hemant Kumar Verma "An expression vector containing strong promoter useful for high level expression of heterologous genes in *Schizosaccharomyces pombe* and method for production of desired proteins thereof"

<u>Research Publications</u>

- Srivastava S., Kaur S., Verma H.K., Rani S., Thakur M., Haldar S. and Singh J. (2021) Reciprocal Relation between Reporter Gene Transcription and Translation Efficiency in Fission Yeast. ***Plasmid*** 115, 102557. (IF: 3.5)

- Ana Pérez-González, Ryan Kniewel, Marcel Veldhuizen, Hemant K. Verma, Mónica Navarro-Rodríguez, Luis M. Rubio and Elena Caro (2017) Adaptation of the GoldenBraid modular

cloning system and creation of a toolkit for the expression of heterologous proteins in yeast mitochondria. ***BMC Biotechnology*** **17**:80. (IF: 2.8)

- Gema López-Torrejón, Emilio Jiménez-Vicente, José María Buesa, Jose A. Hernandez, Hemant K. Verma & Luis M. Rubio (2016) Expression of a functional oxygen-labile nitrogenase component in the mitochondrial matrix of aerobically grown yeast. ***Nature Communications*** 7, Article number: 11426. (IF: 14.9)

  This article has been highlighted in ***Science*** (2016). "The Nitrogen Fix" Vol. 353 (6305), 1225-1227. (IF: 47.7)

- Suchita Srivastava, Hemant Kumar Verma and Jagmohan Singh (2015) A low-cost alternative expression system for recombinant protein production in Schizosaccharomyces pombe. 6th World Congress on Biotechnology, October 05-07, 2015 New Delhi, India. Poster Abstract in ***J Biotechnol Biomater***, 5(6): 294. (IF: 2.7)

- Verma HK et al. (2014) High level constitutive expression of luciferase reporter by lsd90 promoter in fission yeast. ***PLoS ONE***, July 7; 9(7):e101201. (IF: 3.2)

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- Kanwar, SS, Verma HK et al. (2006) Enhancement of ethyl propionate synthesis by Hg2+ and NH4+-ions exposed poly (AAc-co-HPMA-cl-MBAm)-immobilized lipase of *Pseudomonas aeruginosa* MTCC-4713. ***Acta Microbiologica et Immunologica Hungarica,*** 53 (2), 195-207. (IF: 1.2)

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- Kanwar, SS, Pathak S, Verma HK et al. (2006) Characteristics of poly (AAc5-co-HPMA3-cl-EGDMA15)-Hydrogel-immobilized lipase *Pseudomonas aeruginosa* MTCC-4713. **Journal of Applied Polymer Science** 100, 4636-4644. (IF: 3.1)

- Kanwar, SS, Verma HK et al. (2004) Effect of solvents and kinetic parameters on synthesis of ethyl propionate catalyzed by poly (AAc-co-HPMA-cl-MBAm)-matrix-immobilized lipase of *Pseudomonas aeruginosa* BTS-2. ***World Journal of Microbiology and Biotechnology*** 21, 1037-1044. (IF: 3.2)