



# Sri Venkateswara College

(University of Delhi)

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Print Date : 26-08-2026

## 1. Personal Profile

Title: **Dr.** First Name: **MAHENDRA** Last Name: **PRATAP PAL**

Designation: **ASSISTANT PROFESSOR** Mobile No. -----

Phone No. (Office) ----- Phone No. (Residence): -----

Email: **mpal@svc.ac.in** Webpage: -----



Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: -----

Google Scholar Link: -----

Address: -----

## 2. Educational Qualifications

| Degree/ Certification | Institution                                       | Year |
|-----------------------|---------------------------------------------------|------|
| B.Sc                  | CSJM University Kanpur                            | 2006 |
| M.Sc                  | BHU Varanasi                                      | 2008 |
| M.Phil                | Univesity of Delhi                                | 2015 |
| Ph.D                  | Jaypee Institute of Information Technology, Noida | 2026 |

## 3. Career Profile & Administrative Assignments

| Category                   | Role/ Designation | Department/ Committee                                                     | Date From - To            | Remarks |
|----------------------------|-------------------|---------------------------------------------------------------------------|---------------------------|---------|
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | SPORTS COMMITTEE Sri Venkateswara College University of Delhi             | 01.Oct.2023 - 30.Jun.2025 |         |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | EOC - EQUAL OPPORTUNITY CELL Sri Venkateswara College University of Delhi | 01.Oct.2023 - 30.Jun.2025 |         |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | SPORTS COMMITTEE Sri Venkateswara College University Of Delhi             | 18.May.2025 - 17.May.2027 |         |

|                            |                  |                                                                |                           |  |
|----------------------------|------------------|----------------------------------------------------------------|---------------------------|--|
| ADMINISTRATIVE ASSIGNMENTS | EXECUTIVE MEMBER | STAFF ASSOCIATION Sri Venkateswara College University Of Delhi | 29.May.2026 - 28.May.2028 |  |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER           | OTHERS Sri Venkateswara College University Of Delhi            | 18.Jun.2025 - 17.Jun.2027 |  |

4. Other Profiles

Other Profile Name/ Description

5. Research Guidance

| Year | Guide For | Title of the Dissertation/ Thesis | Scholar Name | Status |
|------|-----------|-----------------------------------|--------------|--------|
|------|-----------|-----------------------------------|--------------|--------|

6. Research Projects

| Year | Title of Project | Sponsorship Agency | Duration | Amount Sanctioned | Date of Sanction |
|------|------------------|--------------------|----------|-------------------|------------------|
|------|------------------|--------------------|----------|-------------------|------------------|

7. Publications

| Category                      | Publication Name                                                                                                                      | Title                    | Name of Author                     | Reference Link/ DOI Link       | Pub (Mo Yea |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------|--------------------------------|-------------|
| JOURNAL PAPER (International) | Effect of Power Law Exponent in the Cheng-Minkowycz Natural Convection Nanofluid Flow along a Vertical Plate Embedded in Porous Media | J. Int. Acad. Phys. Sci. | Mahendra Pratap Pal (First Author) | 1061294/jiaps2023.2741         | April 2023  |
| JOURNAL PAPER (International) | A numerical investigation of turbulent forced convection through a TCC (trapezoidal) and SCC (Semicircle) corrugated tube             | NeuroQuantology          | Mahendra Pratap Pal (First Author) | 10.14704/nq.2022.20.15.NQ88128 | Dec 2022    |

|                               |                                                                                                                                                 |                                               |                                    |                                                                                                                                                           |               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| JOURNAL PAPER (International) | To Investigate the Convective Heat Transfer Coefficient Using Nanofluid in a Right Angled, Triangular Shaped Corrugated Tube for Turbulent Flow | Tuijin Jishu/Journal of Propulsion Technology | Mahendra Pratap Pal (First Author) | <a href="https://doi.org/10.52783/tjjpt.v44.i3.232">https://doi.org/10.52783/tjjpt.v44.i3.232</a>                                                         | December 2023 |
| JOURNAL PAPER (International) | Numerical Study of Heat Transfer Characteristics for Turbulent Flow in Circular Corrugated Profile Tube Using Tio2-Water Nano-Fluid             | Computer Integrated Manufacturing Systems     | Mahendra Pratap Pal (First Author) | DOI: 10.24297/j.cims.2022.11.068                                                                                                                          | February 2022 |
| JOURNAL PAPER (International) | Analysis of Nonlinear Flow and Heat Transfer Issues in Nanofluid by Using RK 4th Order Method                                                   | Tuijin Jishu/Journal of Propulsion Technology | Mahendra Pratap Pal (First Author) | <a href="https://doi.org/10.52783/tjjpt.v44.i4.2628">https://doi.org/10.52783/tjjpt.v44.i4.2628</a>                                                       | June 2023     |
| JOURNAL PAPER (International) | Influence of Wavy Wall Geometry on Thermal and Flow Characteristics in a C-Shaped Cavity                                                        | Tuijin Jishu/Journal of Propulsion Technology | Mahendra Pratap Pal (First Author) | <a href="https://propulsiontechjournal.com/index.php/journal/article/view/9514">https://propulsiontechjournal.com/index.php/journal/article/view/9514</a> | June 2025     |
| JOURNAL PAPER (National)      | Numerical Solution of Natural Convection Nanofluid Flow over a Non-Isothermal Vertical Plate                                                    | J. Int. Acad. Phys. Sci.                      | Mahendra Pratap Pal (First Author) | 1061294/jiaps2023.2734                                                                                                                                    | May 2023      |

|                            |                                                                                      |                                                         |                                                |                                                                                                                            |               |
|----------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------|
| CHAPTER<br>(International) | Emerging<br>Advancements<br>in<br>Mathematical<br>Sciences                           | Nova Science<br>Publishers                              | Mahendra<br>Pratap<br>Pal<br>(First<br>Author) | <a href="https://doi.org/10.52305/RRIS1719">https://doi.org/10.52305/RRIS1719</a>                                          | April<br>2022 |
| CHAPTER<br>(International) | Empowering<br>Solutions for<br>Sustainable<br>Future in<br>Science and<br>Technology | SpringerBriefs in<br>Applied Sciences<br>and Technology | Mahendra<br>Pratap<br>Pal<br>(Joint<br>Author) | nces and Technology, <a href="https://doi.org/10.1007/978-3-031-77837-7_9">https://doi.org/10.1007/978-3-031-77837-7_9</a> | July<br>2025  |

| 8. Books           |                                           |  |                                       |                   |                   |
|--------------------|-------------------------------------------|--|---------------------------------------|-------------------|-------------------|
| Category           | Book Name                                 |  | Title                                 | Name of Author    | ISSN/ ISBN Number |
| BOOK<br>(National) | Integral Transforms and their Applicatins |  | Mahendra Pratap Pal<br>(Joint Author) | Indus Publication | 9788197452918     |

| 9. Faculty Achievements |                                                             |                        |                                    |                                                                                                      |                              |
|-------------------------|-------------------------------------------------------------|------------------------|------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------|
| Year                    | Category of<br>Achievement                                  | Role                   | National/<br>International<br>etc. | Name                                                                                                 | Date From-<br>To             |
| 2024                    | ONLINE CERTIFICATE<br>COURSE/ TRAINING<br>PROGRAMS ATTENDED | ASSISTANT<br>PROFESSOR | University                         | NEP-2020 Orientation &<br>Sensitization Programme                                                    | 04.Nov.2024 -<br>14.Nov.2024 |
| 2025                    | FACULTY DEVELOPMENT<br>PROGRAM ATTENDED                     | ASSISTANT<br>PROFESSOR | International                      | FDP                                                                                                  | 23.Jun.2025 -<br>27.Jun.2025 |
| 2025                    | REFRESHER COURSE<br>ATTENDED                                | ASSISTANT<br>PROFESSOR | National                           | REFRESHER COURSE                                                                                     | 01.Sep.2025 -<br>13.Sep.2025 |
| 2026                    | FACULTY DEVELOPMENT<br>PROGRAM ATTENDED                     | ASSISTANT<br>PROFESSOR | National                           | Faculty Development Program                                                                          | 29.Dec.2025 -<br>03.Jan.2026 |
| 2026                    | WORKSHOP/ SEMINAR/<br>CONFERENCE ATTENDED                   | PAPER<br>PRESENTER     | International                      | International Conference on<br>Innovative Research in<br>Science, Engineering and<br>Social Sciences | 22.Jul.2026 -<br>24.Jul.2026 |
| 2026                    | WORKSHOP/ SEMINAR/<br>CONFERENCE ATTENDED                   | PARTICIPANT            | National                           | Online Short-Term Programme<br>on Artificial Intelligence (AI)                                       | 20.Jul.2026 -<br>25.Jul.2026 |

Dr. MAHENDRA PRATAP PAL