1. **Name of faculty:**Dr. Rashmi Agrawal

2. **Department:** Mathematics

3. **Designation:** Assistant Professor

4. **Age as on 01.01.2016:** 30 years

5. **Educational Qualifications:** Ph.D., M. Phil., M.Sc.

6. **Teaching Experience as on 01.01.2016:** 3 years

7. **Address (Local):** Staff quarter- L 2, Maharani College, Jaipur.

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10. **Details of Research Projects:** None

11. **List of Publications:**

Authors names	Title of paper	Name of Journal	Vol. No.	Pages from – to	Year
Chauhan, D.S. and Agrawal, R.	Effects of Hall current on MHD flow in a rotating channel partially filled with a porous medium	Chem. Eng. Comm.	197(6)	830 – 845	2010
Chauhan,D.S. and Agrawal,R.	MHD flow through a porous medium adjacent to a stretching sheet: Numerical and an approximate solution	Eur. Phys. J. Plus	126:47	DOI:10.1140/epjp/i2011-11047-3	2011
Chauhan, D. S. and Agrawal, R.	MHD flow and heat transfer in a channel bounded by a shrinking sheet and a plate with a porous substrate	Journal of Engineering Physics and Thermophysics	84(5)	1034-1046	2011
Chauhan, D. S. and Agrawal, R.	Effects of hall current on MHD couette flow in a channel partially filled with a porous medium in a rotating system	Meccanica	47(2)	405-421	2012
Chauhan, D. S. and Agrawal, R.	Magnetohydrodynamic convection effects with viscous and Ohmic dissipation in a vertical channel partially filled by a porous medium	Journal of Applied Science and Engineering	15	1-10	2012
Chauhan, D.S., Agrawal, R.	Magnetohydrodynamic slip flow and heat transfer in a	Numerical Heat Transfer, Part	62(2)	136-157	2012

and Rastogi, P.	porous medium over a stretching cylinder: Homotopy Analysis Method	A: Applications			
Chauhan, D.S. and Agrawal, R.	MHD coupled-flow and heat transfer across a porous layer due to an oscillating plate with radiation	AfrikaMatematika	24(3)	391-405	2013
Chauhan, D.S., Agrawal, R. and Olkha A.	Slip effects on non-Newtonian fluid flow through porous medium in a channel of lower stretching wall: Homotopy analysis method	ActaTechnica CSAV (Ceskoslovensk AkademieVed)	58(2)	173-187	2013
Chauhan D. S. and Agrawal R.	MHD flow and heat transfer in a channel bounded by a shrinking sheet and a porous medium bed: Homotopy analysis method	ISRN Thermodynamics	2013	1-10	2013
Chauhan, D.S., Rastogi, P. and Agrawal, R.	Magnetohydrodynamic flow and heat transfer in a porous medium along a stretching cylinder with radiation: Homotopy Analysis Method	AfrikaMatematika	25(1)	115-134	2014
Chauhan, D. S. and Agrawal, R.	MHD coupled-flow due to oscillatory motion of a wall in a channel partially filled by a porous medium with hall effect	Walailak Journal of Science and Technology	11(3)	243-262	2014

12. List of Conferences / Symposium/ Refresher Courses Attended:

- National Seminar on "Recent Developments in Pure and Applied Mathematics" and 19th Prof. P.D. Verma Memorial Lecture organized by Department of Mathematics, University of Rajasthan, Jaipur in the year 2015.

- 17th International Conference of the Int. Aca. Of Phy. Sci., on "Emerging Trends in Physical Sciences and Technology" organized by Department of Mathematics, University of Rajasthan , Jaipur in the year 2015.

- National Seminar on "Recent Advances in Applied Mathematics" and 18th Prof. P.D. Verma Memorial Lecture organized by Department of Mathematics, University of Rajasthan, Jaipur in the year 2014.

- National Seminar on "Recent Developments in Applied Mathematics" and 17th Prof. P.D. Verma Memorial Lecture organized by Department of Mathematics, University of Rajasthan, Jaipur in the year 2013.

- International Conference of the Int. Aca. Of Phy. Sci., on "Emerging Interfaces of Physical Sciences and Technology" organized by University of Petroleum and Energy Studies, Dehradun in the year 2011.
- National Workshop on "Challenges before Applied Mathematics: Fluid Dynamics and Optimization Techniques" organized by Department of Mathematics, University of Rajasthan, Jaipur in the year 2011.
- International Workshop on RACFDorganized by IIT, Guwahati in the year 2010.
- International Congress of Mathematics 2010, Hyderabad in the year 2010.
- ATM workshop on Several Complex Variables and Complex Dynamics organized by Department of Mathematics, IISC, Banglore in the year 2010.

13. Membership of technical societies / academic bodies/ National or international organizations (if any):

- Member of Indian Mathematical Society

- Member of Rajasthan Academy of Physical Sciences

- Member of International Academy of Physical Sciences