Curriculum Vitae

➢ Personal data :

Full Name:	Mahmoud Sayed Ahmed Soliman (M. S. Soliman).
Nationality:	Egyptian.
Data of birth:	1/7/1989.
Place of birth:	Governorate of Qena.
Address:	Qena, Elqenawia.
Position:	Research assistant in applied mathematics and PHD student in applied mathematics, Mathematics Department Faculty of Science, South Valley University.
Research Interest Score:	179.6
Citations:	205
h-index:	9
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➢ Qualifications:

- B.Sc. in Mathematics, Faculty of Science, South Valley University (2012).
- Master degree in Mathematics, Faculty of science, South Valley University (2020).
- PHD student in Mathematics, Faculty of Science, South Valley University.

➢ Research interests:

- I work in the field of scientific research as an assistant researcher, Department of Mathematics, Faculty of Science, South Valley University.

- I have obtained a master's degree in mathematics (applied mathematics) Department of Mathematics, Faculty of Science, South Valley University.
- I am registered for a Ph.D in Mathematics at the Faculty of Science, South Valley University.
- I have published some scientific research in international journals; other research has been accepted for publication, and some research has been sent for publication.
- I have presented some scientific research at international conferences.
- I am a member of the Egyptian Mathematical Society.
- I am an editor in international journals such as;
  (1) Waves in Random and Complex Media.
  (2) Science Progress.
  (3) Nonlinear Dynamic.
  (4) Scientific Research.
  (5) Nanofluid.
  (6) Mechanical Science and Technology.

➢ Researchs (published – accepted for publication – sent for publication)

(1) R. A. Mohamed, A. M. Aly, S. E. Ahmed and ***M. S. Soliman***, "MHD Jeffrey Nanofluids flow over a stretching sheet through a porous medium in presence of nonlinear thermal radiation and heat generation/absorption." ***Published in*** *Trans. Phenom. Nano Micro Scales, an international Journal, 8, 9-22 (2020).*

(2) S. E. Ahmed, R. A. Mohamed, A. M. Aly and ***M. S. Soliman***, "magnetohydrodynamic Maxwell nanofluids flow over a stretching surface through a porous medium: effects of non-Linear thermal radiation, convective boundary conditions and heat generation/absorption." ***published in*** *World Academy of Science, Engineering and Technology, International Journal of Aerospace and Mechanical Engineering, 13, 436-443 (2019).*

(3)	R. A. Mohamed, S. E. Ahmed, A. M. Aly, A. J. Chamkha and ***M. S. Soliman***, "MHD Casson nanofluid flow over a stretching surface embedded in a porous medium: effects of thermal radiation and slip conditions." ***Published in*** *Latin American Applied Research an international journal 51, 229-239 (2021).*
(4)	J. Bouslimi, K. H. Mahmoud, S. M. Abo-Dahab, R. A. Mohamed and ***M. S. Soliman,*** "MHD Williamson Nanofluid flow over a stretching sheet through a porous medium under effects of Joule heating, non-linear thermal radiation, heat generation/absorption and chemical reaction." ***Published in*** *Advances in Mathematical Physics an international journal 2020, 1-16 (2020).*
(5)	R. A. Mohamed, S. M. Abo-Dahab, and ***M. S. Soliman,*** "Effects of nonlinear thermal radiation and heat generation/absorption on MHD Carreau nanofluid flow on a nonlinear stretching surface through a porous medium." ***Published in*** *Journal of Nanofluids 11,845-856 (2022).*
(6)	A. M. Abd-Allah, R. A. Mohamed, S. M. Abo-Dahab and ***M. S. Soliman,*** "Rotation and initial stress effect on MHD peristaltic flow of reacting radiating fourth-grade nanofluid with viscous dissipation and Joule heating." ***Published in*** *Waves in Random and Complex Media an international journal.*
(7)	S. M. Abo-Dahab, R. A. Mohamed, A. M. Abd-Alla, ***M. S. Soliman,*** "Double-diffusive peristaltic MHD Sisko nanofluid flow through a porous medium in presence of non-linear thermal radiation, heat generation/absorption, and Joule heating." ***Published in*** *Scientific Reports, 13, 1-37 (2023).*
(8)	R. A. Mohamed, S. E. Ahmed, A. M. Aly, S. M. Abo-Dahab and ***M. S. Soliman,*** "MHD three-dimensional flow of couple stress nanofluids over a stretching sheet through a porous medium in presence of heat generation/absorption and non-linear thermal radiation." ***Published in*** *Trans. Phenom. Nano Micro Scales, an international Journal, 9, 135-150 (2021).*

(9) S. M. Abo-Dahab1, F.S. Bayones, A.M. Abd-Allah, R. A. Mohamed and ***M. S. Soliman*** "MHD Nanofluid Flow on a Stretching Permeable Surface Using Buongiorno's Model", ***Accepted in*** *Computers, Materials & Continua an international Journal.*
(10) S. M. Abo-Dahab, R. A. Mohamed and ***M. S. Soliman,*** "Convection and radiation mode on MHD flow of Jeffrey nanofluid on a stretching sheet through a porous medium in presence of Joule heating, viscous dissipation, chemical reaction with slip condition." ***Submitted***
(11) R. A. Mohamed, S. M. Abo-Dahab, A.M. Abd-Allah, and ***M. S. Soliman,*** "Viscous dissipation and Joule heating effects on MHD Maxwell nanofluid flow over a stretching surface trough a porous medium in presence of heat generation/absorption, non-linear thermal radiation and chemical reaction with slip and convection boundary conditions." ***Submitted***
(12) A.M. Abd-Allah, S. M. Abo-Dahab, R. A. Mohamed, and ***M. S. Soliman,*** "Mixed convection and Joule heating effects on MHD Oldroyd-B nanofluid flow over a stretching sheet through a porous medium in presence non-linear thermal radiation, viscous dissipation and chemical reaction." ***Submitted***
(13) R. A. Mohamed, S. M. Abo-Dahab1, A. M. Abd-Alla, and ***M. S. Soliman,*** "Magnetohydrodynamic double-diffusive peristaltic flow of radiating fourth-grade nanofluid through a porous medium with viscous dissipation and heat generation/absorption" ***Published in*** *Scientific Reports, 13, 1-32 (2023).*
(14) ***M. S. Soliman***, R. A. Mohamed, and S. M. Abo-Dahab, "Heat convection and thermal radiation effects on MHD double diffusive peristaltic flow of Ree-Eyring nanofluid with couple stresses and variable thermal conductivity through a porous medium." ***Submitted***
➢ **International conferences**:
(1) R. A. Mohamed, S. E. Ahmed A. M. Aly and M. S. Soliman, "MHD flow of viscoelastic nanofluid by an exponentially stretching surface

through a porous medium in the presence of heat generation/absorption." *At the 8th International Conference Mathematics and Information Sciences 8 – 10 Feb. 2019, Egypt.*
(2) R. A. Mohamed, S. E. Ahmed, A. M. Aly, and M. S. Soliman, "MHD flow of Maxwell nanofluid over a stretching surface through a porous medium in the presence of non-linear thermal radiation and heat generation." *At 1st International Conference Mathematics, Computer Science, Biotechnology and their Applications, Feb 24 – 25, 2019, Port Said, Egypt.*
(3) R. A. Mohamed, and M. S. Soliman, "MHD Carreau nanofluids flow over a stretching surface embedded in a porous medium: Effects of non-linear thermal radiation and heat generation/absorption." *At 3rd International Conference Mathematics and its Applications (ICMA20), Cairo, Egypt: 26 -27 November, 2020.*
(4) ***M. S. Soliman***, R. A. Mohamed, and S. M. Abo-Dahab, "Heat convection and thermal radiation effects on MHD double diffusive peristaltic flow of Ree-Eyring nanofluid with couple stresses and variable thermal conductivity through a porous medium." *At 8rd International Conference Mathematics and its Applications (ICMA20), Cairo, Egypt.*
(5) R. A. Mohamed, S. M. Abo-Dahab1, A. M. Abd-Alla, and ***M. S. Soliman,*** "Magnetohydrodynamic double-diffusive peristaltic flow of radiating fourth-grade nanofluid through a porous medium with viscous dissipation and heat generation/absorption."
➢ **The title of the master's thesis**:
"Study of Non-Newtonian Nanofluids Flow Through Porous Media on The Stretching Surfaces"
➢ **Master thesis supervisors:**
Prof. Dr. R. A. Mohamed. Professor of Applied Mathematics, Faculty of Science, South Valley University. **Prof. Dr. S. E. Ahmed.**

Professor of Applied Mathematics, Faculty of Science, South Valley University.

Prof. Dr. A. M. Aly.

Professor of Applied Mathematics, Faculty of Science, South Valley University.

- **The title of the PHD thesis:**

Numerical Solutions of some Problems of Peristaltic Flow of Non-Newtonian Nanofluids through Porous Media with Heat and Mass Transfer"

- **PHD thesis supervisors:**

Prof. Dr. S. M. Abo-Dahab.

Professor of Applied Mathematics, Faculty of Science, South Valley University.

Prof. Dr. R. A. Mohamed.

Professor of Applied Mathematics, Faculty of Science, South Valley University.

- **Personal References Professors:**

Prof. Dr. A. M. Abd-Allah

Professor of Applied Mathematics, Faculty of Science, Sohag University.

Prof. Dr. R. A. Mohamed.

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Prof. Dr. S. M. Abo-Dahab.

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