

Kumaun University, Nainital

Curriculum Vitae

Name : Alok Kumar Durgapal

Designation : Professor

Department : Department of Physics

Contact Information

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LinkedIn Profile (Optional) :

ORCID ID :

Scopus ID : <https://www.scopus.com/authid/detail.uri?authorId=14071110300>

Vidwan ID :

Educational Qualification 1987: Intermediate (72.4%, UP Board Allahabad)

Degree	University	Subjects	Year
Ph.D.	ARIES / Kumaun University, Nainital		2002
M.Sc.	University of Roorkee (presently IIT Roorkee)	Physics	1993
B.Sc.	Kumaun University Nainital	PCM	1991
10+2	UP Board	Science Stream	1987
10 th	UP Board	Science Stream	1985

Work Experience (add row if required)

Position	Department	University/Organization	Year
Professor	Department of Physics	Kumaun University Nainital	2020 to continue
Associate Professor	Department of Physics	Kumaun University Nainital	2017 to 2020
Assistant Professor	Department of Physics	Kumaun University Nainital	2005 to 2017
Assistant Professor	Department of Physics	Graphic Era University Dehradun	2001 to 2005
Research Fellow	ARIES	ARIES Nainital	1994 to 2001

Administrative Responsibilities (add row if required) : NIL

Position	Nature of responsibility	University/Organization	Year

Research Interests

Study of Galactic star clusters

Stellar evolution and history of star formation in star clusters, Luminosity and mass function, Dynamical evolution, Pre- main sequence stars.

Study of globular clusters

Cluster formation history, Population gradients, Luminosity and mass function.

Proper motion study of open and globular clusters

Membership probability of stars, Absolute proper motion, Space motion.

Publications (start from recent publications)

a) Research Papers (add row if required)

Authors name	Title of the paper	Journal, vol, page no	Year
Kaur, Harmeen Sharma, Saurabh, Durgapal, Alok Dewangan, Lokesh K. Verma, Aayushi Panwar, Neelam, Pandey, Rakesh, Ghosh, Arpan	Structural analysis of open cluster Bochum 2	<i>Journal of Astrophysics and Astronomy</i> 44(2), 66	2023
Rangwal, Geeta Yadav R.K.S Bisht D. Durgapal, Alok Sariya, Devesh P.	Investigating kinematics and dynamics of three open clusters towards Galactic anticentre	<i>Monthly Notices of the Royal Astronomical Society</i> , 523 (2), 1867 - 18841	2023
Bisht D. Zhu, Qingfeng Elsanhoury W.H. Yadav R.K.S. Rangwal, Geeta Sariya D.P. Durgapal, Alok Jiang, Ing-Guey	A Comprehensive Study of Five Intermediate-age Pismis (2, 3, 7, 12, 15) Clusters Using Photometric and Astrometric Data from Gaia EDR3	<i>Astronomical Journal</i> , 164 (51),171	2022
Bisht D. Zhu, Qingfeng Yadav R.K.S. Rangwal, Geeta	A Deep Investigation of Two Poorly Studied Open Clusters Haffner 22 and Melotte 71 in the Gaia era	<i>Publications of the Astronomical Society of the Pacific</i> ,134 (10341) 044201	2022

Sariya, Devesh P. Durgapal, Alok Jiang, IngGuey			
Bisht D.; Zhu, Qingfeng Elsanhoury W.H. Sariya, Devesh P. Rangwal, Geeta Yadav, Ramakant Singh Durgapal, Alok Jiang, Ing- Guey	Erratum: Detailed analysis of the poorly studied northern open cluster NGC 1348 using multi-color photometry and GAIA EDR3 astrometry (Publ. Astron. Soc. Japan (2021) 73: 3 (677691) DOI: 10.1093/pasj/psab029)	Publications of the Astronomical Society of Japan, 74 (2) Pages 4921	2022
Bisht D.; Zhu, Qingfeng Elsanhoury, Waleed H. Sariya, Devesh P. Rangwal, Geeta Yadav, Ramakant Singh Durgapal, Alok Jiang, Ing- Guey	Detailed analysis of the poorly studied northern open cluster NGC 1348 using multi-color photometry and GAIA EDR3 astrometry	Publications of the Astronomical Society of Japan, 73(3), 677 - 6911	2021
Bisht D. Zhu, Qingfeng Yadav R.K.S. Yadav R.K.S.; Ganesh, Shashikiran Rangwal, Geeta Rangwal G.; Durgapal, Alok Sariya, Devesh P Jiang, Ing- Guey	Multicolour photometry and Gaia EDR3 astrometry of two couples of binary clusters (NGC 5617 and Trumpler 22) and (NGC 3293 and NGC 3324)	Monthly Notices of the Royal Astronomical Society 503 (4), 5929 - 59471	2021
Bisht, D., Zhu, Q., Yadav, R.K.S.,	A Deep Study of an Intermediate-age Open Cluster SAI 35 (Juchert 20) Using	Astronomical Journal. 161(4), 182	2021

Durgapal, Alok Sariya, D.P., Jiang, I.-G.	Ground-based Imaging and Gaia EDR3 Astrometry		
Durgapal, A., Rangwal, G., Bisht, D., Yadav, R.K.S., Pandey, J.C.	A search for variable stars in the four open star clusters	Journal of Astrophysics and Astronomy, 41(1), 13	2020
Bisht, D., Elsanhoury, W.H., Zhu, Q., Durgapal, A., Jiang, I.-G.	An Investigation of Poorly Studied Open Cluster NGC 4337 Using Multicolor Photometric and Gaia DR2 Astrometric Data	Astronomical Journal, 160(3), 119	2020

b) Patents (start from recent publications) **(add row if required) : NIL**

Authors name	Title of the patent	Patent no (Granted or filed)	Year

c) Books (start from recent publications) **(add row if required): NIL**

Authors name	Title of the book	Publisher	ISBN	Year

d) Book chapters (start from recent publications) **(add row if required): NIL**

Authors name	Title of the book	Publisher	ISBN	Year

e) Conference Publications/Proceedings (start from recent publications) **(add row if required)**

Authors name	Title of the paper	Conference name	Year

Projects (add row if required): NIL

Title of the project	Funding agency	Amount (Rs)	Year

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Teaching details (add row if required)

Name of the course/paper	Department	University	Year

Professional Memberships (add row if required): NIL

Organization	Position	Year

Honours and Awards (add row if required): NIL

Award	Awarding Organization	Year

Conference Presentations (add row if required)

Title of presentation	Conference name	Name of the institution	Year
International Conference on Emerging Trends in Engineering, Management & Sciences	International Conference on Emerging Trends in Engineering, Management & Sciences	Graphic Era campus Bhimtal	April 27 – 28, 2019
3rd IEEE International Conference on “Internet of Things: Smart Innovation and Usages (IOT-SIU)-	3rd IEEE International Conference on “Internet of Things: Smart Innovation and Usages (IOT-SIU)-	Birla Institute of Applied Sciences, Bhimtal	February 23 – 24, 2018
Second symposium on Advances in Physics from Small to Large Scales (APSLs- 2019)	Second symposium on Advances in Physics from Small to Large Scales (APSLs-2019)	D. S. B. Campus, kumaun University, Nainital	March 14 – 16, 2019.

First symposium on Advances in Physics from Small to Large Scales (APSL-2018)	First symposium on Advances in Physics from Small to Large Scales (APSL-2018)	D. S. B. Campus, kumaun University, Nainital	March 27 – 28, 2018
8th Conference of the Indian Science Congress Association (Haridwar chapter) organized by Department of Mathematics,	8th Conference of the Indian Science Congress Association (Haridwar chapter) organized by Department of Mathematics,	Kumaun University, Nainital	October 14 – 15, 2017

Signature of the faculty member