


## CURRICULUM VITAE

Title	<b>Dr.</b>	FirstName	<b>Ajit Kumar</b>	LastName	<b>Sethi</b>	Photograph 
Designation	<b>Assistant Professor (Stage-I)</b>					
Department	<b>Department of Mathematics</b>					
Phone Number (Office)	<b>+919861902281</b>					
Email & Webpages	<a href="mailto:ajitmath281@gmail.com">ajitmath281@gmail.com</a> <a href="https://orcid.org/0000-0002-8334-8824">https://orcid.org/0000-0002-8334-8824</a> <a href="https://scholar.google.com/citations?hl=en&amp;authuser=1&amp;user=UGMwPkEAAA">https://scholar.google.com/citations?hl=en&amp;authuser=1&amp;user=UGMwPkEAAA</a> <a href="https://www.researchgate.net/profile/Ajit-Sethi">https://www.researchgate.net/profile/Ajit-Sethi</a>					
<b>Educational Qualifications</b>						
Subject	Institution	Year	Details			
<b>Ph.D.</b>	<b>Berhampur University, Bhanja Bihar</b>	<b>September 2020</b>	<b>Awarded Ph.D. Degree</b> Thesis title: <b>Some studies on Cosmological Models in Lyra's Manifold</b>			
<b>M. Phil</b>	<b>Ravenshaw University, Cuttack</b>	<b>2014</b>	<b>M. Phil in Mathematics</b>			
<b>PG</b>	<b>Berhampur University, Bhanja Bihar</b>	<b>2012</b>	<b>M.Sc. in Mathematics</b>			
<b>Professional Experiences</b>						
Organisation /Institution	Designation	Duration	Role			
<b>Govt. Science College, Chatrapur</b>	<b>Assistant Professor (Stage-I)</b>	<b>01<sup>st</sup> Sept 2023</b> <b>To till date</b>	<b>Teaching Mathematics to UG and PG students</b>			
<b>Teaching Experience (Subjects/Courses Taught)</b>						
U.G. & P.G. Mathematics: 1 year						
<b>Subject Interest</b>						
<b>Complex Analysis, Real Analysis, Numerical Analysis</b>						
<b>Research Interest</b>						
<b>General Relativity &amp; Cosmology, Numerical Analysis</b>						

#### Honors & Awards

1. Received **Best Presentation Award** in the conference entitled “International conference on General Relativity and Black Holes-2019” during July 4-5 2019 held at **Singapore**.
2. Took the charge of **Session Chair** in the conference entitled “International conference on General Relativity and Black Holes-2019” during July 4-5 2019 held at **Singapore**.

#### Publications

1. Bianchi Type-III cosmological model with cloud string bulk viscosity, R. N. Patra, A. Patra and **A.K. Sethi**, *International Journal of Statistics and Applied Mathematics*, SP-9(3), pp. 44-49 (2024).
2. De-Sitter Model in  $f(R, T)$  Theory of Gravity, R.N. Patra, S.C. Otta, **A.K. Sethi**, R.R. Swain and B. Nayak, *Indian Journal of Natural Sciences*, Vol. 13, no. 74, pp. 49180-49185 (2022).
3. Effect of dark energy on cosmological parameters with LVDP in Lyra manifold, R. N. Patra, **A.K. Sethi**, B. Nayak, and R. R. Swain, *New Astron.*, vol. 66, pp. 74–78 (2019).
4. Tilted Bianchi-I Model with Perfect Fluid in Lyra Geometry with time varying Term  $\Lambda$ , R.N. Patra and **A.K. Sethi**, *International Journal on Applied and Computational Mathematics*, 5:94 (2019).
5. String Cosmological Models with Bulk Viscosity in Lyra Geometry, **A.K. Sethi**, B. Nayak and R.N. Patra, *Journal of Physics: conference series*, 1344, 612001, (2019).
6. Generalized Chaplygin Gas and Varying Bulk Viscosity in Lyra Geometry, **A.K. Sethi**, R.N. Patra and R.R. Swain, *International Journal of Physical and Mathematical Science*, vol. 13, no. 11 (2019) (World Academy of Science).
7. Anisotropic LRS Bianchi Model with Perfect Fluid in Lyra Manifold, R.N. Patra, **A.K. Sethi** and R.R. Swain, *Asian J. Math. Comput. Res.*, vol. 25, no. 3, pp. 174–182 (2018).
8. Bianchi type-III bulk viscous cosmological models in presence of Chaplygin gas with time varying- $\Lambda$  in Lyra Geometry, R.N. Patra and **A.K. Sethi**, *Int. J. Pure Appl. Phys.*, vol. 13, no. 3, pp. 289–299 (2017).
9. An open type mixed quadrature rule using Fejer and Gaussian quadrature rules, D. K. Behera, **A. K. Sethi**, R.B. Dash, *AJRSTEM*, Vol. 15, no.209 pp. 265-268 (2015).

#### Professional Societies Memberships

1. Life Member : Orissa Mathematical Society (OMS)
2. Franklin Membership of London Journal Press: Membership Id-#RJ21883