

AstroBaqir

Monthly Magazine

April 2026



Syed Mohammad Baqir

www.astrobaqir.com



91 galaxies in 2 nights

On 9th and 10th April, 2026, I captured a region in constellation Coma Berenices which contains coma galaxy cluster. In that cluster I was able to identify at least 91 galaxies! This was a sudden increase in my “watched galaxies” database. It was an amazing moment for me and was a great gift from Allah on my birthday.

I made a video clip on these 91 galaxies (49 shown in image on next page and remaining in other frame, not shown here) and uploaded on social media. This video became most viewed of all of my video clips. To this date this clip is having 315K views.

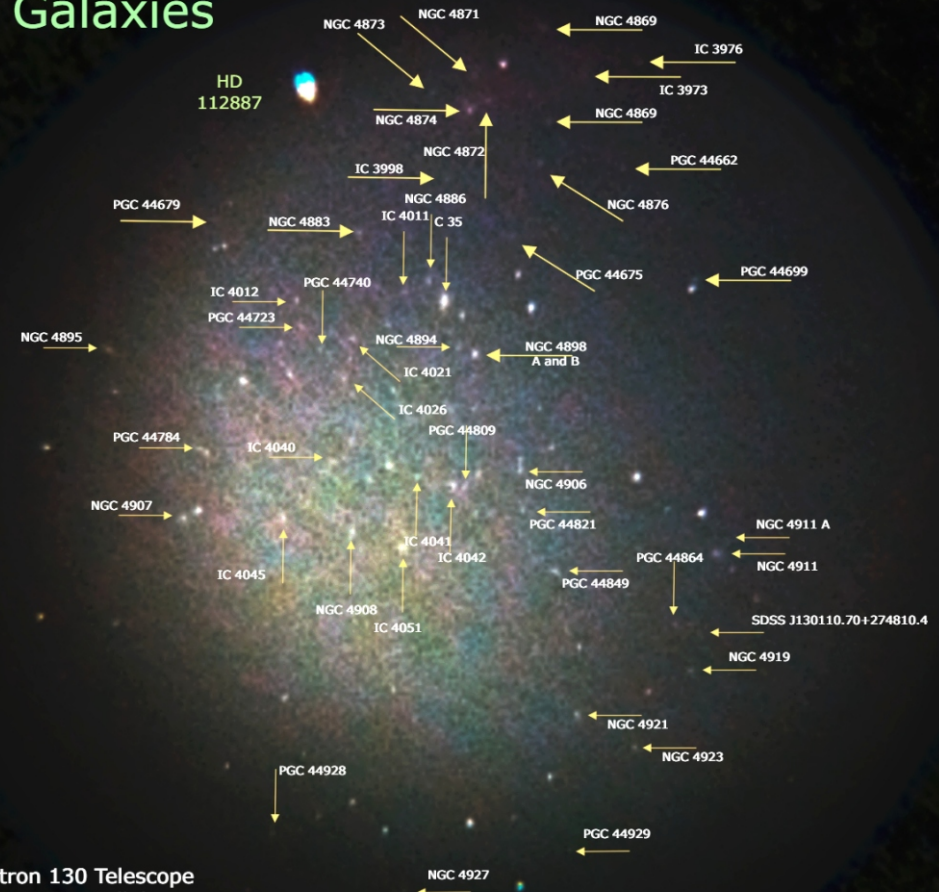
This was another demonstration of capabilities of my Celestron 130 telescope and a moderate cell-phone combination. This observation session, spanning two nights, increased my galaxy count and now this has reached 281. I will further observe this region for the galaxies not yet captured in this session.

follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

49 Galaxies



Celestron 130 Telescope
Infinix 40 Pro Cellphone
10 mm eyepiece
27 Images Stacked
10 Sec exposure each, ISO-19200
02:38 AM, 9 April 2026
Syed Mohammad Baqir
Quetta, Pakistan



M 64 galaxy details

The intricate beauty of the Messier 64 comes alive in this stunning close-up, where delicate dust structures weave a mysterious pattern around the luminous core. The faint, dark dust lanes—barely visible yet profoundly significant—trace the dynamic history of this galaxy, likely shaped by past gravitational interactions and internal motions. These interstellar dust clouds absorb and scatter light, creating subtle contrasts that reveal the complex architecture hidden within. Observing such fine detail is a reminder of how even the smallest cosmic particles play a vital role in galaxy evolution, star formation, and the grand design of the universe. Truly an amazing view, where light and dust dance together in perfect harmony across millions of light-years.



follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

M 64 galaxy



Comet

C/2025 R3 (PanSTARRS)

A beautiful capture of the faint yet intriguing C/2025 R3 (Pan-STARRS) as it drifts silently through a richly colored star field. The comet appears as a soft, glowing condensation at the center, with its diffuse coma gently spreading into the surrounding darkness—evidence of volatile ices sublimating under the Sun's influence. Though no tail is prominently visible here, the brightness of the coma hints at ongoing activity, making it a rewarding target even with modest equipment. Set against a vibrant backdrop of stars and subtle interstellar hues, this observation highlights the fragile and dynamic nature of comets—ancient remnants from the early Solar System, now revealing their secrets as they journey through the inner regions.



follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

C/2025 R3 (PanSTARRS)

Infinix 40 Pro
Small monocular
4:58 AM, 14 April 2026
24 Images Stack
Syed Mohammad Baqir
Quetta, Pakistan



M 90 galaxy

The Messier 90 is a striking spiral galaxy located in the dense environment of the Virgo Cluster, approximately 60 million light-years away from Earth. It is known for its smooth, tightly wound spiral structure and relatively low rate of star formation, giving it a somewhat subdued and refined appearance compared to more active galaxies. One of its most fascinating characteristics is its apparent motion toward us, making it one of the few galaxies in this cluster that shows a blueshift due to complex gravitational interactions within the cluster. Observations also suggest that Messier 90 may be losing its interstellar gas as it moves through the hot intracluster medium, a process known as ram-pressure stripping, which further suppresses star formation. This galaxy offers a compelling glimpse into how dense cosmic environments can shape the evolution and behavior of galaxies over time.

follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

M 90 galaxy

Celestron 130 Telescope
Infinix 40 Pro Cellphone
10 mm eyepiece
27 Images Stacked
10.7 Sec exposure each, ISO-19200
02:49 AM, 15 April 2026
Syed Mohammad Baqir
Quetta, Pakistan



M 3 Star Cluster

The Messier 3 (M3) is one of the most prominent and well-studied globular clusters in the northern sky, located about 33,900 light-years away in the constellation Canes Venatici. Containing an estimated half a million stars packed into a region roughly 180 light-years across, M3 is a gravitationally bound system dominated by very old, metal-poor Population II stars, with an age of around 11–12 billion years. It is particularly famous for its rich population of over 270 RR Lyrae variables, making it a key laboratory for studying stellar evolution and distance calibration in astronomy. The cluster exhibits a dense, luminous core where stellar interactions are frequent, while its outer halo gradually thins into the surrounding galactic field. Orbiting the Milky Way's halo, Messier 3 provides valuable insight into the early formation history of our galaxy and the dynamics of tightly bound stellar systems.

follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

M 3 Star Cluster

Celestron 130 Telescope
Infinix 40 Pro Cellphone
10 mm eyepiece
19 Images Stacked
10 Sec exposure each, ISO-19200
03:06 AM, 15 April 2026
Syed Mohammad Baqir
Quetta, Pakistan



Moon with Pleiades

A beautiful celestial pairing is captured here as the Moon shines gracefully near the Pleiades star cluster (M45), creating a striking contrast between our nearby companion and a distant stellar family. The delicate crescent phase of the Moon softly illuminates the sky, while the Pleiades—located about 440 light-years away—appear as a compact grouping of hot, young blue stars embedded in faint reflection nebulosity. Such close apparent alignments occur due to the Moon's motion along the ecliptic, occasionally bringing it near prominent deep-sky objects. Though separated by vast cosmic distances, this visual conjunction offers a breathtaking perspective of scale in the universe, blending the brilliance of the Moon with the subtle sparkle of one of the most famous open clusters in the night sky.



follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

Pleiades cluster with Moon

8x40 Monocular
Infinix 40 Pro Cellphone
5 images stacked
7:42 PM, 19 April 2026
Mohammad Baqir
Quetta, Pakistan



M 100 galaxy and two more

The Messier 100 (M100), also known as NGC 4321, is a grand-design spiral galaxy located about 55 million light-years away in the Virgo Cluster. It exhibits a well-defined two-armed spiral structure with prominent star-forming regions traced by bright H II regions and young, massive blue stars. Classified as an intermediate spiral (SAB(s)bc), M100 possesses a weak central bar that helps channel gas toward the inner regions, fueling ongoing star formation. Its disk is rich in interstellar gas and dust, contributing to both active stellar nurseries and complex internal dynamics. M100 has been the site of several observed supernovae, including SN 1979C and SN 2006X, making it an important target for studying stellar evolution and distance measurements. As a member of a dense cluster environment, Messier 100 also provides insights into how gravitational interactions influence the morphology and star formation activity of spiral galaxies.

follow

www.astrobaqir.com

www.facebook.com/baqirastronomy

M 100 galaxy

NGC 4322

NGC 4328

NGC 4322

NGC 4328

Celestron 130 Astromaster
Infinix 40 Pro Cellphone
10 mm eyepiece
10 Sec exposure ISO-19200
39 images stacked
2:15 AM, 20 April 2026
Mohammad Baqir
Quetta, Pakistan



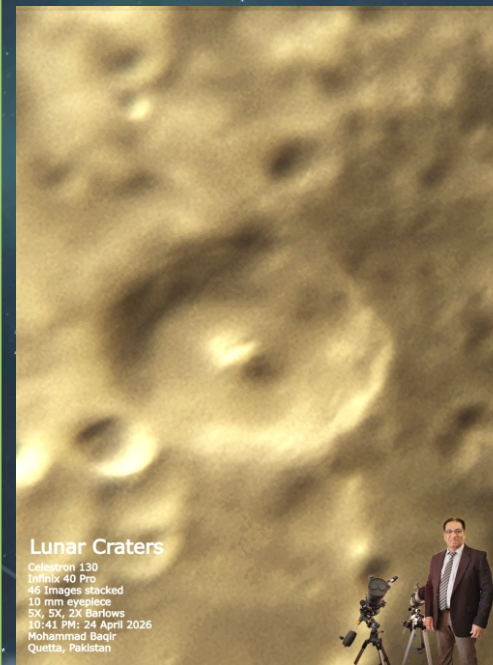
Moon at 30,000 then 60,000 and then 72,000 magnification

Capturing the Moon at such an exceptionally high magnification is a remarkable achievement, revealing an almost surreal level of detail across the lunar landscape. At this scale, familiar features transform into dramatic terrains—crater rims appear razor sharp, subtle shadow gradients define depth, and fine structures like ridges and surface textures become more pronounced. It reflects not only the capability of your setup but also careful technique in tracking, focusing, and image processing. While extreme magnification often challenges clarity due to atmospheric limitations, successfully bringing out usable detail speaks to both patience and skill. This kind of observation beautifully bridges the gap between amateur exploration and professional-level appreciation of the Moon's rugged and timeless surface.

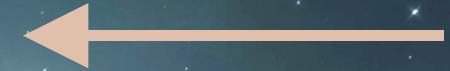
follow

www.astrobaqir.com

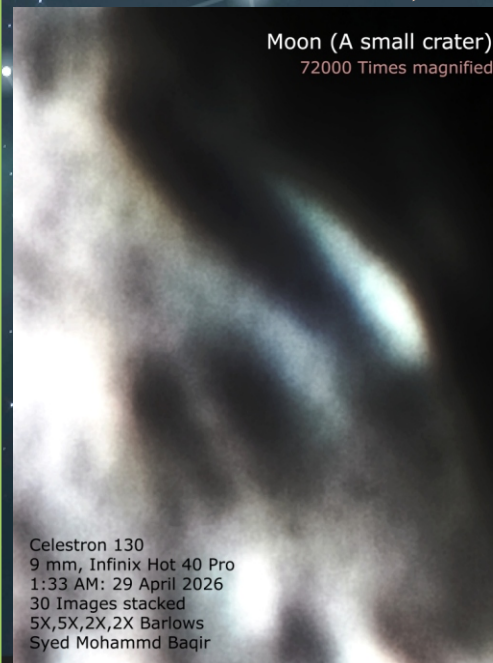
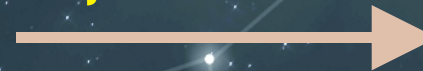
www.facebook.com/baqirastronomy



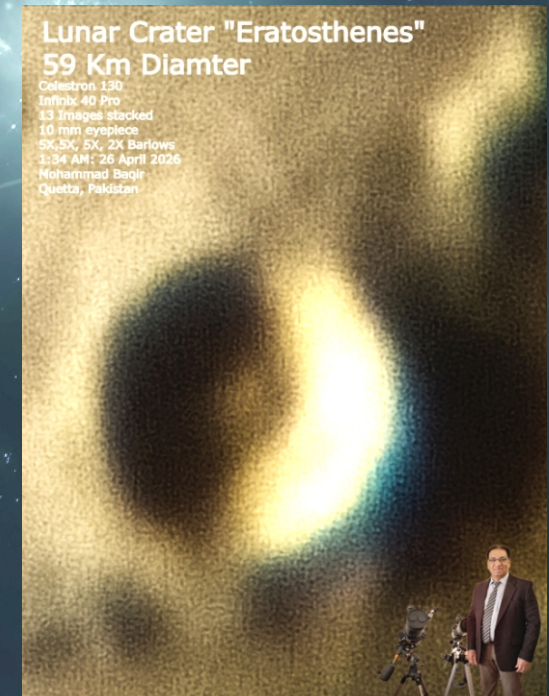
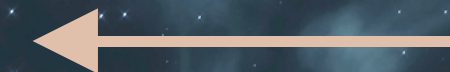
30,000 Times



60,000 Times



72,000 Times





AstroBaqir



www.astrobaqir.com

