



Journal of Applicable Chemistry

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Escape Corona- Part 14.....

KnowLab
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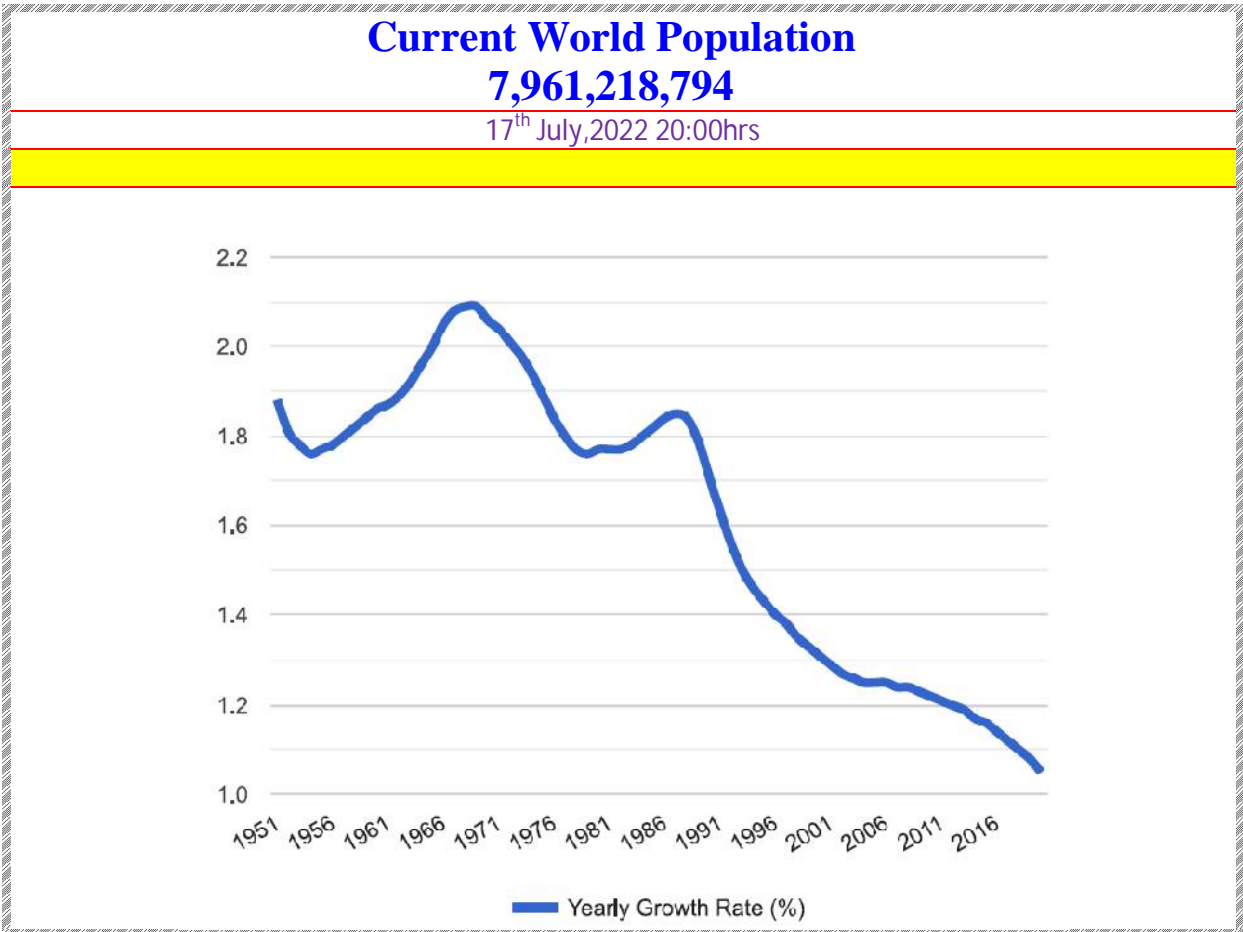
Layout

- 📖 Trends
 - ➔ Vaccination progress for SARS-CoV-2
 - ➔ Population
- 📖 Time line of Covid-19 (Pandemic infection) critical Data
 - ➔ Daily trends : Confirmed cases and deaths
 - ➔ Graphic display
 - Last 30 days
 - Last 60 days
 - Since 2020-Jan

Information Source	Covid tracker	https://www.bing.com/covid
	Johns Hopkins Coronavirus Resource Center	https://coronavirus.jhu.edu/map.html

Vaccination progress for SARS-CoV-2

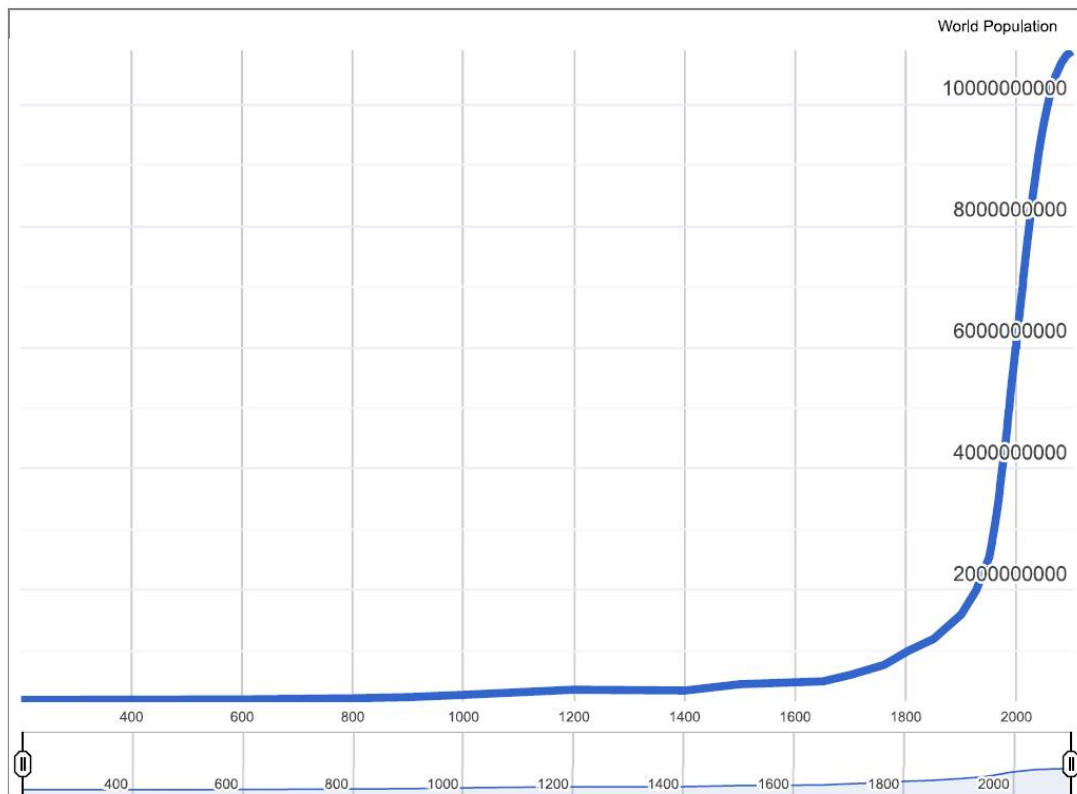
Global					
Up to Date	Doses administered	Fully vaccinated	Received at least one dose	Confirmed Covid-19 cases	
		%	%		During last 60 days Lakhs
15-07-22	12,19,79,14,406	61.73	67.27	55,95,33,174	394
30-06-22	1209,55,65,339	61.64	67.19	54,44,95,277	
15-06-22	1194,33,25,420	60.86	66.58	53,50,62,191	
15-05-22	1164,61,76,751	59.58	65.66	52,01,14,085	

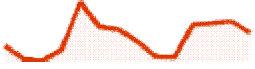
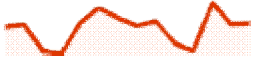


Intelligent Forecast

Year (July 1)	Population	Yearly % Change
2020	7,794,798,739	1.10 %
2025	8,184,437,460	0.98 %
2030	8,548,487,400	0.87 %
2035	8,887,524,213	0.78 %
2040	9,198,847,240	0.69 %
2045	9,481,803,274	0.61 %
2050	9,735,033,990	0.53 %

World Population (1950 – 2020)



United States					
Upto Date	Doses administered	Fully vaccinated	Received at least one dose	Confirmed cases	
		%	%		During last 60 days Lakhs
15-07-22	59,92,89,113	63.84	78.53	Confirmed cases 8,92,21,950 (89M)	
				 +1.6M +5% 14-day change	
				Total Deaths 10,23,619 (1M)	
30-06-22	59,37,39,529	63.65	78.14	Confirmed cases 8,73,50,493	69
				 +1.5M +5% 14-day change	
				Total Deaths 10,16,208	
15-06-22	59,14,06,403	63.54	78.02	8,57,03,699	
15-05-22	58,13,76,728	63.15	77.65	8,23,72,947	

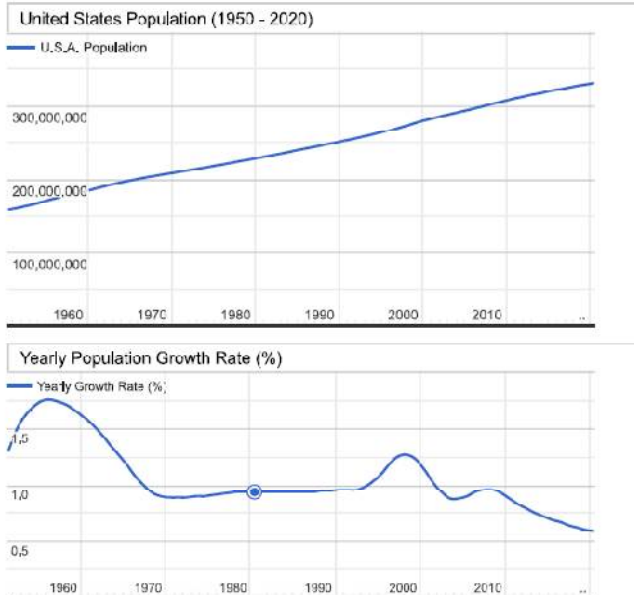
United States Population (LIVE)

335,003,532 (335M or 0.335B)

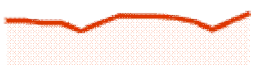

17th July, 2022 20:00hrs

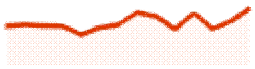
United States Population (1950 – 2020)

Intelligent Forecast (10)



Year	Population	Yearly % Change	Yearly Change
2020	331,002,651	0.62 %	2,024,868
2025	340,399,601	0.56 %	1,879,390
2030	349,641,876	0.54 %	1,848,455
2035	358,690,999	0.51 %	1,809,825
2040	366,572,154	0.44 %	1,576,231
2045	373,343,348	0.37 %	1,354,239
2050	379,419,102	0.32 %	1,215,151

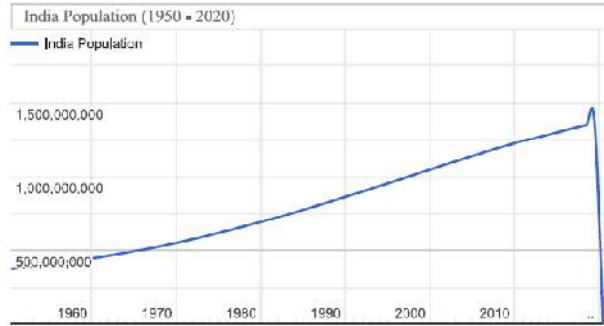
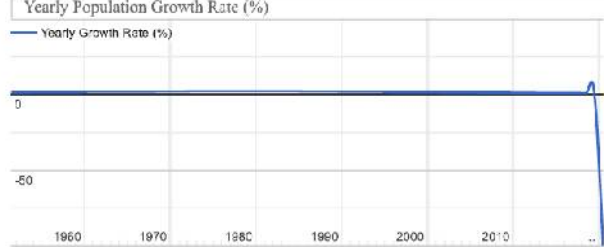
India					
Upto Date	Doses administered	Fully vaccinated	Received at least one dose	Confirmed cases	
		%	%		During last 60 days Lakhs
15-07-22	1,99,47,84,956	69.38	76.43	<p style="text-align: center;">Confirmed cases 4,37,10,027 (43M)</p>  <p style="text-align: center;">+237.8K +15% 14-day change</p>	6
				<p style="text-align: center;">Total deaths 5,25,604 (0.5M)</p>  <p style="text-align: center;">+442</p>	

				+42% 14-day change
30-06-22	1,97,51,46,587	68.60	76.26	Confirmed cases 4,34,52,164  +194.4K +64% 14-day change
15-06-22	1,95,40,63,843	67.66	76.07	4,32,45,517
15-05-22	1,91,23,22,912	65.64	75.61	4,31,21,599

India Population (LIVE)



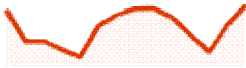
1,408,230,040 (1.41B or 1408M or 140Cr)
17th July, 2022 20:00hrs

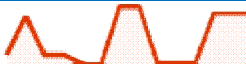

India Population (1950 - 2020)	<i>Intelligent Forecast (IF)</i>
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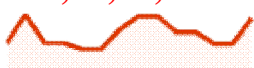



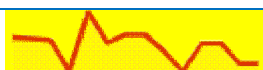

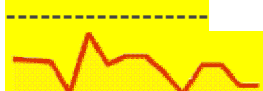
Year	Population	Yearly % Change	Yearly Change
2020	0	-100.0 %	-262,030,481
2025	1,445,011,620	inf %	289,002,324
2030	1,503,642,322	0.80 %	11,726,140
2035	1,553,723,810	0.66 %	10,016,298
2040	1,592,691,513	0.50 %	7,793,541
2045	1,620,619,200	0.35 %	5,585,537
2050	1,639,176,033	0.23 %	3,711,367

Brazil					
Upto Date	Doses administered	Fully vaccinated	Received at least one dose	Confirmed cases	
		%	%	During last 60 days	Lakhs
				Confirmed cases 3,30,76,779 (33M)	

15-07-22	----	----	----	 +718.8K -23% 14-day change	24
				Total deaths 6,74,482 (0.7M)	
				 +2,626 -34% 14-day change	
30-06-22	48,60,74,748	99.75	100	Confirmed cases 3,22,06,954  +665.5K +31% 14-day change	
15-06-22	44,77,73,835	83.57	91.64	3,14,45,137	
15-05-22	43,51,85,477	82.13	91.06	3,06,39,130	

United Kingdom					
Upto Date	Doses administered	Fully vaccinated	Received at least one dose	Confirmed cases	
		%	%		During last 60 days Lakhs
15-07-22	14,99,68,871	80.6	86.03	Confirmed cases 2,31,59,426 (23M)  +430.3K +157% 14-day change Total deaths 1,81,761 (0.2M)  +709 -20% 14-day change	9

30-06-22	14,92,23,290	80.37	85.92	 <p>2,27,18,463 +230.9K +78% 14-day change</p>
15-06-22	14,86,87,238	80.24	85.82	2,24,59,358
15-05-22	14,23,90,214	79.84	85.43	2,22,48,695

China (mainland)				
Upto Date	Doses administered	Confirmed cases		
				During last 60 days
15-07-22	3,40,96,97,000	----	-----	<p>Confirmed cases 8,93,814 (0.8M)</p>  <p>+58,298-53% 14-day change</p>
				<p>Total deaths 5,226 (5K)</p>  <p>+13-93% 14-day change</p>
				<p>8,88,303: Total cases</p>  <p>+58,298-53% (Decrease) 14-day change</p>
30-06-22	3,40,11,12,000	----	-----	
15-06-22	3,39,01,94,000	----	-----	8,85,897 Total cases
15-05-22	3,36,00,50,000	----	-----	11,30,410

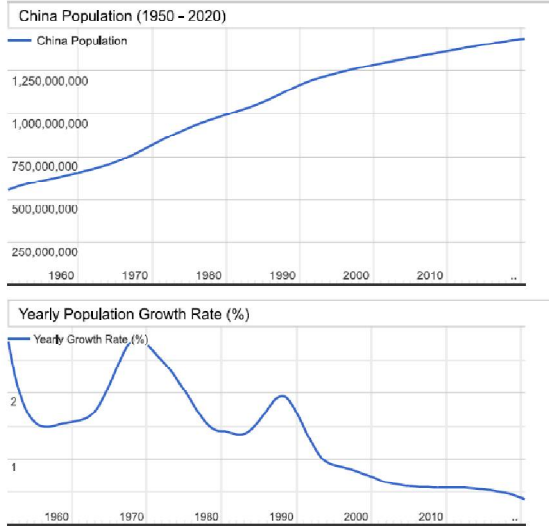
China Population (LIVE)

1,450,727,770 (1.4 Billion, 1450M or 145Cr)

17th July, 2022 20:00hrs

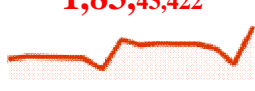
China Population (1950 - 2020)

Intelligent Forecast (IF)



Year	Population	Yearly % Change	Yearly Change
2020	1,439,323,776	0.46 %	6,495,181
2025	1,457,908,249	0.26 %	3,716,895
2030	1,464,340,159	0.09 %	1,286,382
2035	1,461,083,029	-0.04 %	-651,426
2040	1,449,031,423	-0.17 %	-2,410,321
2045	1,429,312,248	-0.27 %	-3,943,835
2050	1,402,405,170	-0.38 %	-5,381,416

Italy					
Upto Date	Doses administered	Fully vaccinated	Received at least one dose	Confirmed cases	
		%	%		During last 60 days
15-07-22	13,86,18,028	79.47	84.21	<p style="text-align: center;">Confirmed cases 1,97,78,911 (19M)</p> <p style="text-align: center;">+1.3M +29% 14-day change</p>	28 lakhs
				<p style="text-align: center;">Total deaths 1,69,496 (0.17M)</p> <p style="text-align: center;">+939 +20% 14-day change</p>	

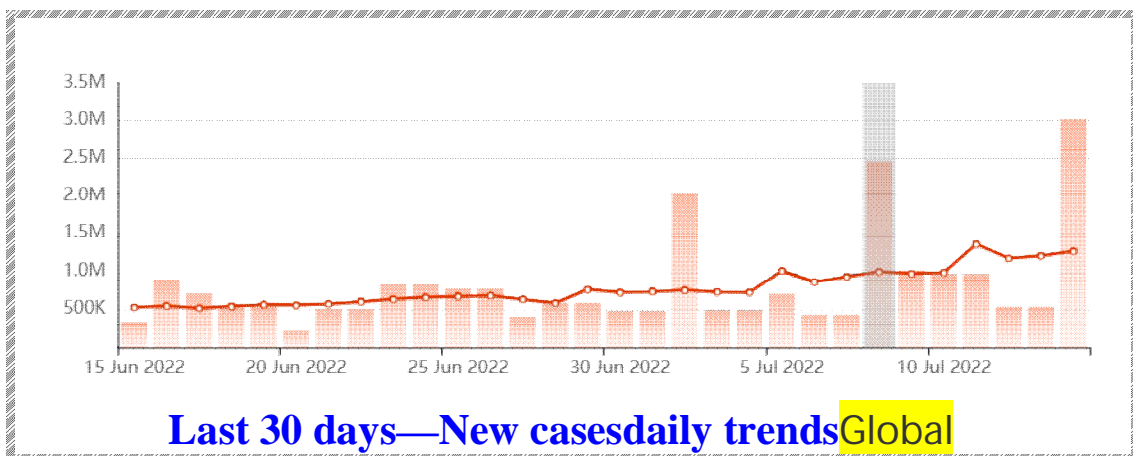
30-06-22	13,82,31,220	79.46	84.19	1,83,43,422  +639.5K +125% 14-day change
15-06-22	13,79,88,849	79.45	84.18	1,76,64,043
15-05-22	13,72,89,630	79.42	84.14	1,69,93,813

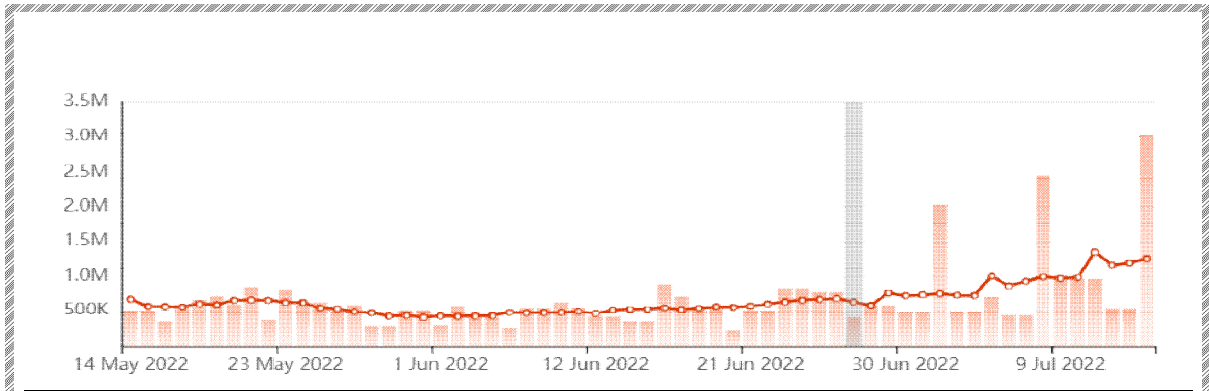
Time line of Covid-19 (Pandemic infection) critical Data
[15-July 2022_{down to}] 15-Jan-2020

**Global
SARS-CoV-2 (Global)**

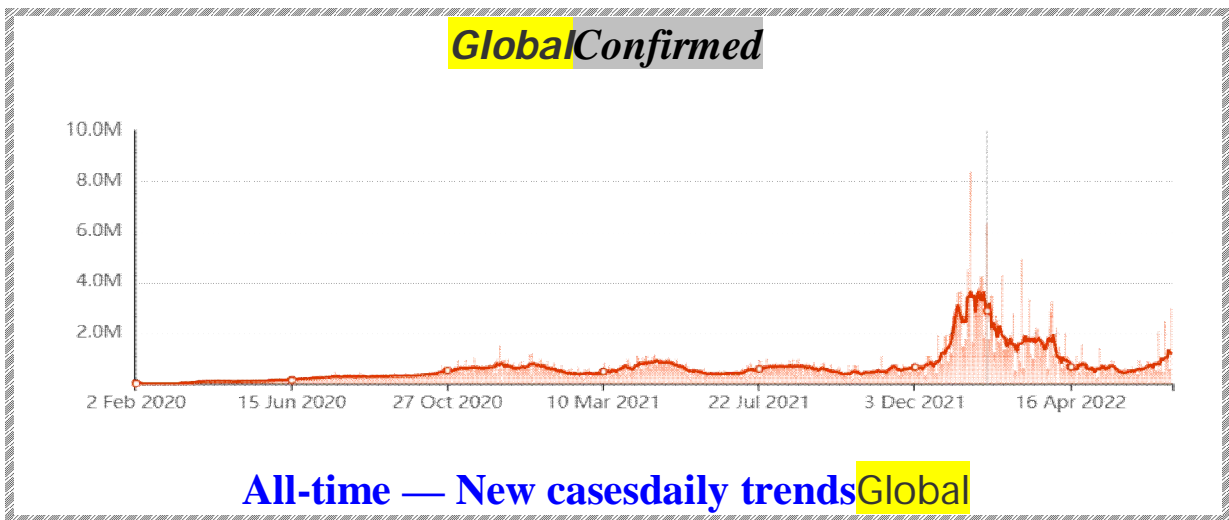
Up to dd-mm-yy	Infected	Deaths
15-07-22	55,95,33,174	63,63,300
30-06-22	54,44,95,277	63,30,572
15-06-22	53,50,62,191	63,08,976
15-05-22	52,01,14,085	62,60,299

393 lakhs 1.03 lakhs





Last 60 days—New cases daily trends Global

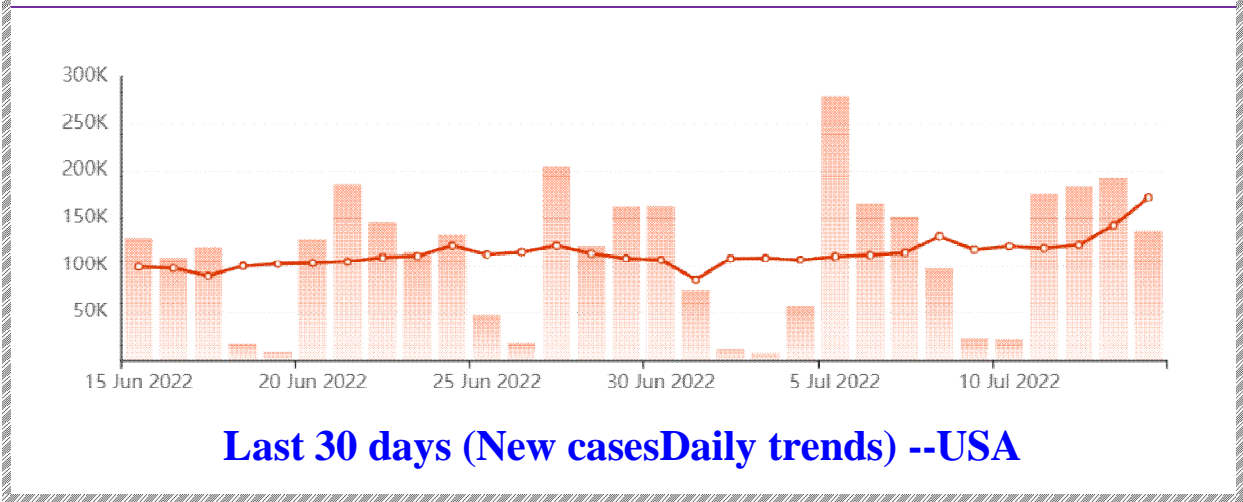
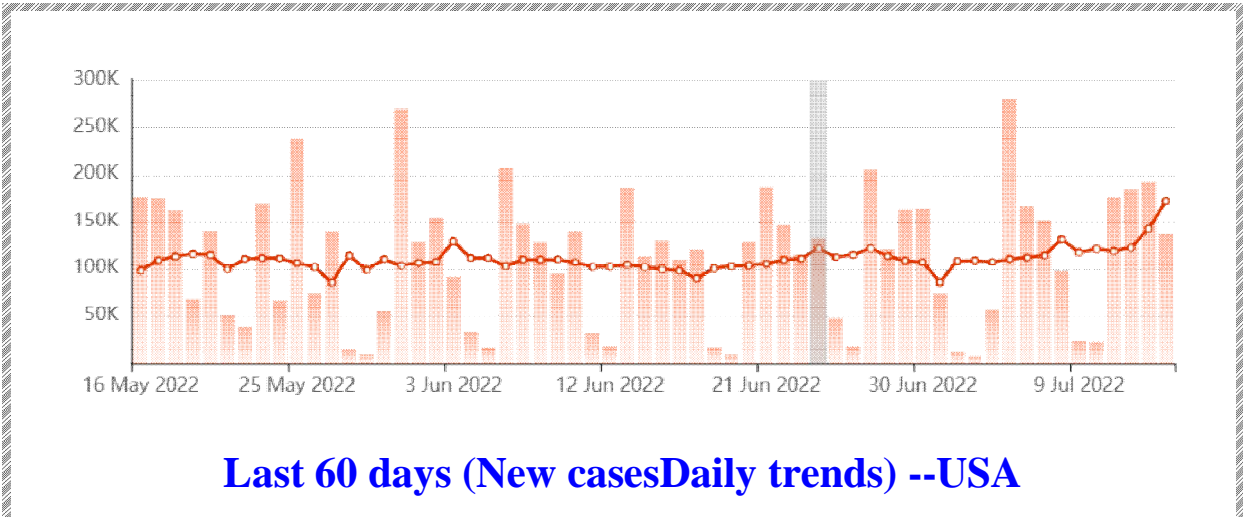
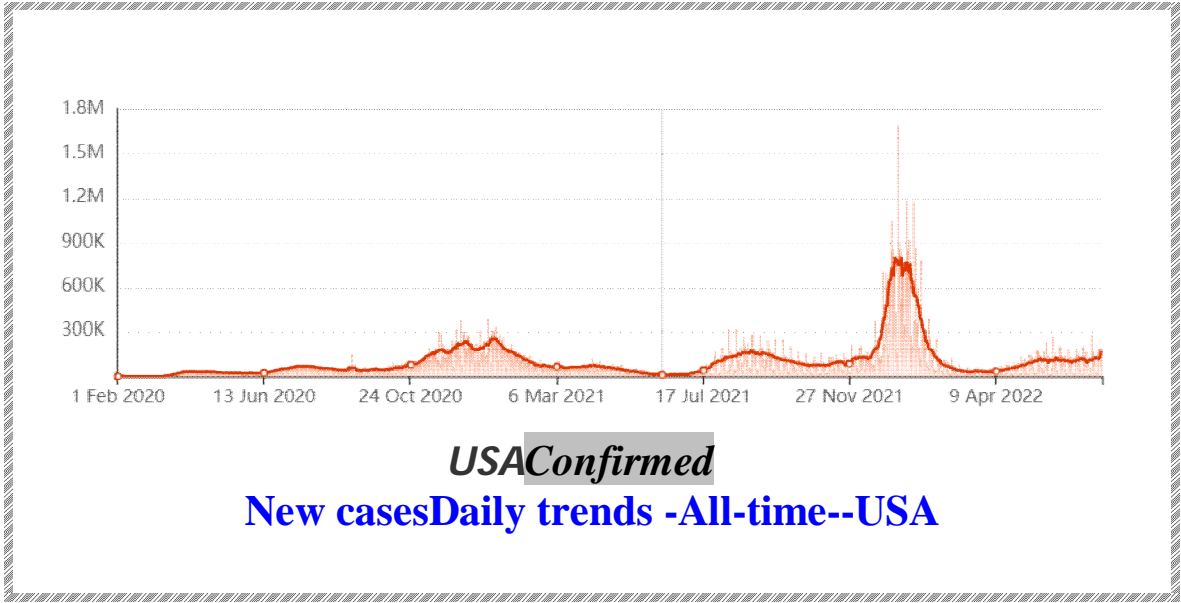


Global Confirmed

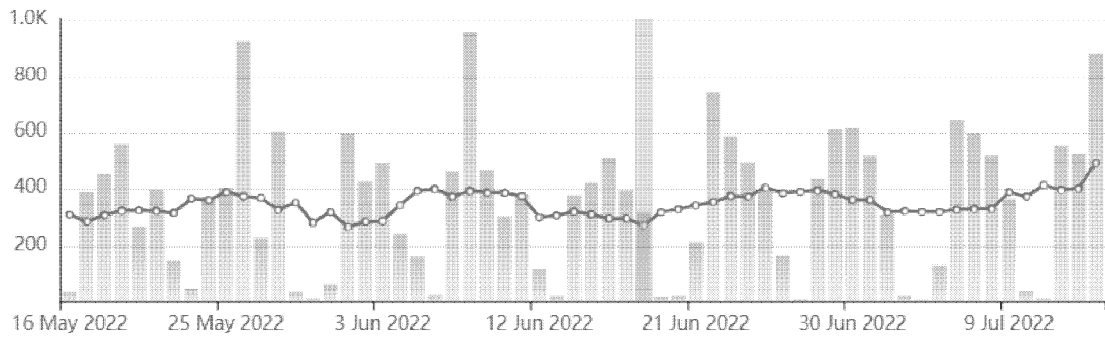
All-time — New cases daily trends Global

Time line of Covid-19 (Pandemic infection) typical Data

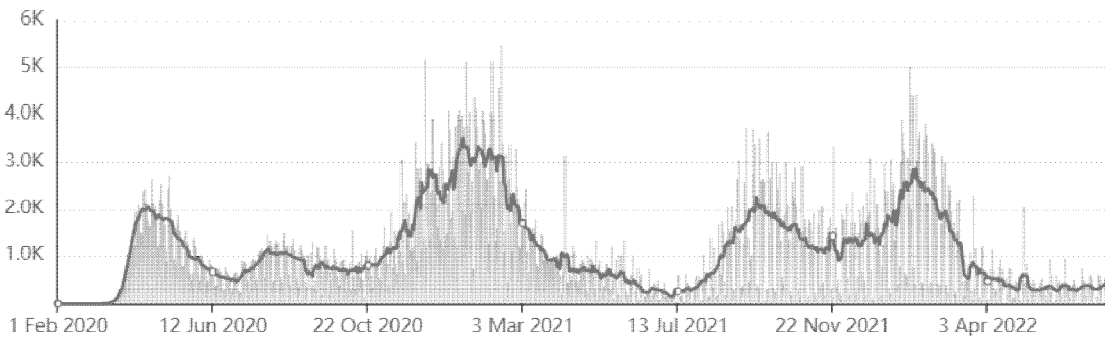
..... USA India			
SARS-CoV-2 (USA)				SARS-CoV-2 (India)			
Up to dd-mm-yy	Infected	Deaths	24 K (60 days)	Up to dd-mm-yy	Infected	Deaths	1K (60days)
15-07-22	8,92,21,950	10,23,619		15-07-22	4,37,10,027	5,25,604	
30-06-22	8,73,50,493	10,16,208		30-06-22	4,34,52,164	5,25,116	
15-06-22	8,57,03,699	10,11,260		15-06-22	4,32,45,517	5,24,792	
15-05-22	8,23,72,947	9,99,125		15-05-22	4,31,21,599	5,24,214	



USA Fatal

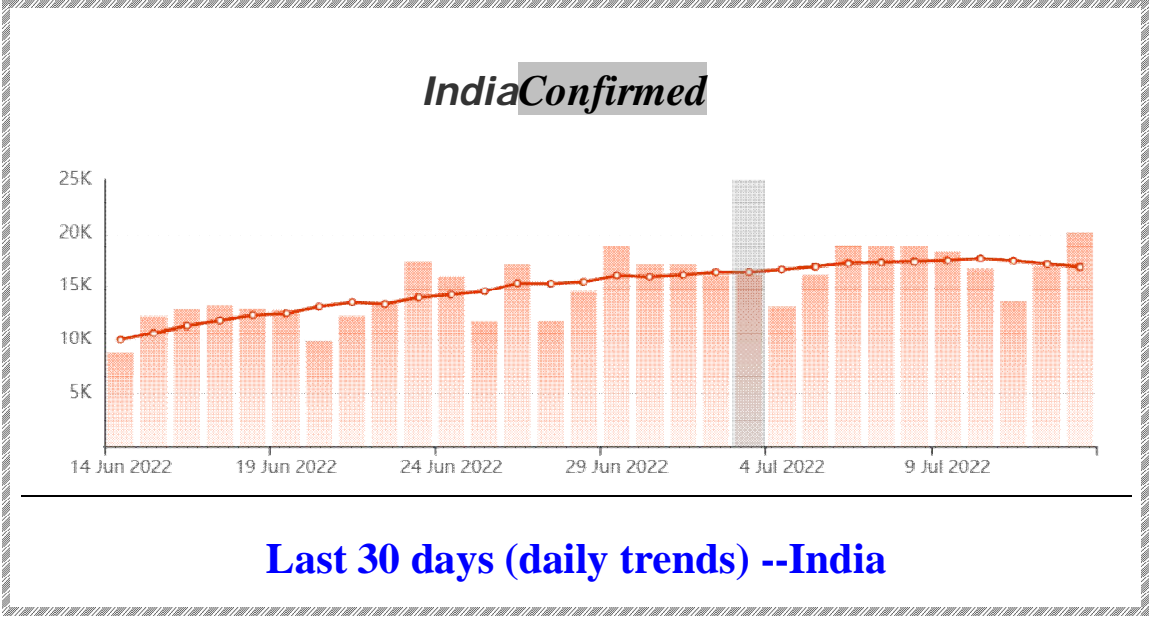


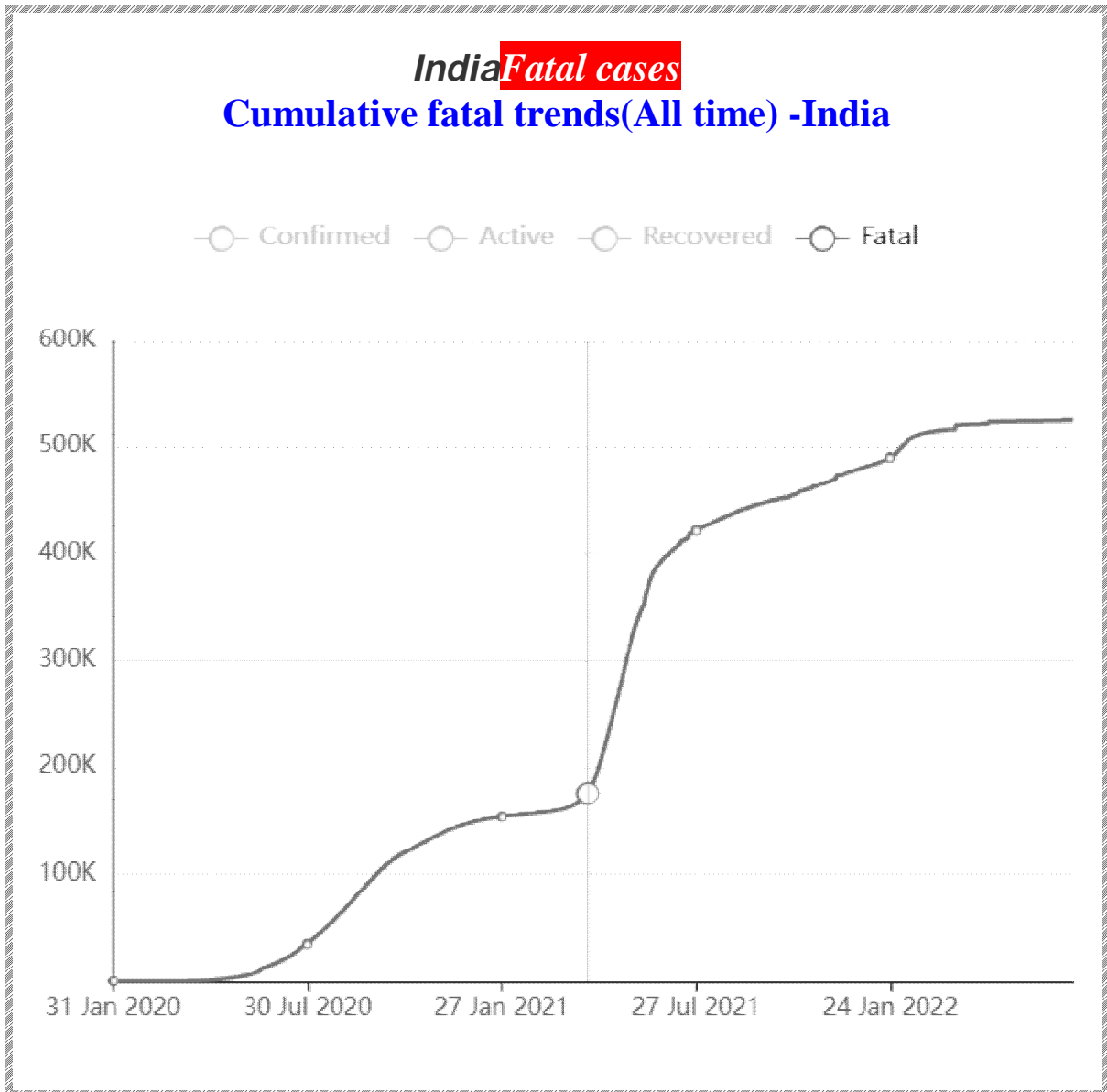
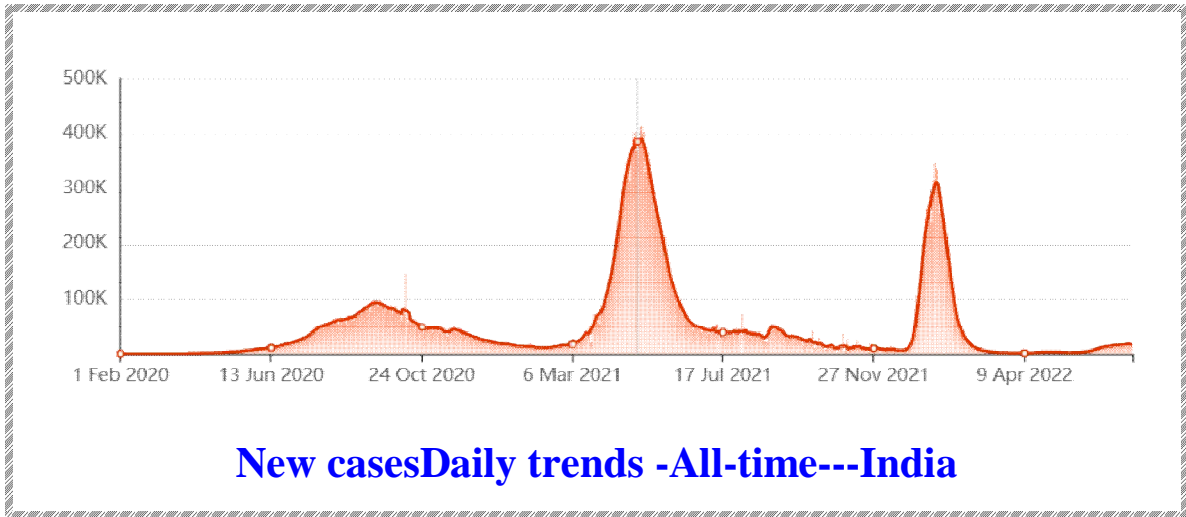
Last 60 days (daily trends)–USA Fatal

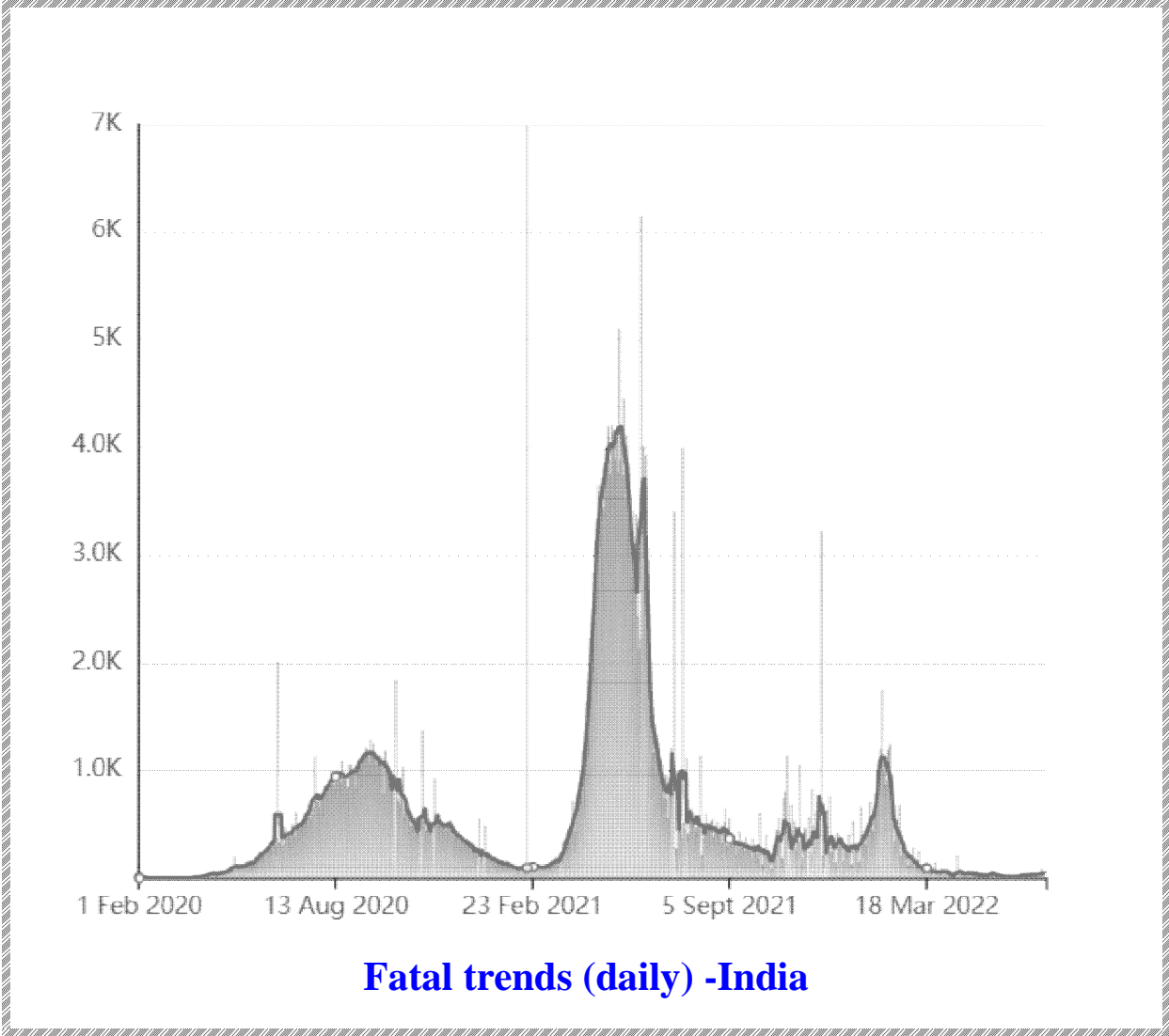


All (daily trends)–USA Fatal

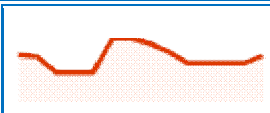
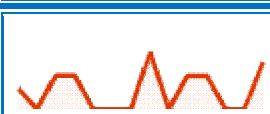
India

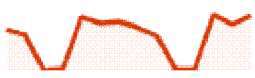

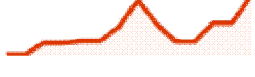






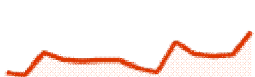







SARS-CoV-2 (15-07-2022)
Europe, Japan.....

Country	Infected	14-day change
France	3,27,37,629	 +1.7M +34%
Spain	1,30,32,841	 +324.9K +78%

Germany	2,94,60,249		+1.3M +6%
Sweden	25,23,404		+9,093 +44%
Netherlands	82,71,212		+76,974 +3727%
Canada	40,00,304		+40,340 -22%
Switzerland	38,61,756		+102K +60%
South Korea	1,86,80,142		+155.7K +81%
Japan	97,42,683		+477.3K +184%
Egypt	5,15,645		+5,768 -12%
Russia	1,84,76,477		+46,238 +20%
Singapore	15,69,420		+125.4K +13%
Greece	38,43,142		+235.6K +88%
Marshall Islands	49	New cases 2 Deaths 0 Vaccines 597	

Antarctica	11	Total deaths0
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References

Title	EscapeCorona – Part 13
Journal	Journal of Applicable Chemistry, 2022, 11 (3)378-391
Authors	K. Somasekhara Rao, R.Sambasiva Rao

Title	EscapeCorona – Part 12
Journal	Journal of Applicable Chemistry, 2022, 11 (2)187-196
Authors	K. Somasekhara Rao, R.Sambasiva Rao

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Journal	Journal of Applicable Chemistry, 2022, 11 (1)40-57
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Title	EscapeCorona – Part 9
Journal	Journal of Applicable Chemistry, 2021, 10 (5)678-697
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Title	EscapeCorona – Part 8
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Authors	K. Somasekhara Rao, R.Sambasiva Rao

Title	EscapeCorona – Part 7
Journal	Journal of Applicable Chemistry, 2021, 10 (3): 308-322
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Title	EscapeCorona – Part 6
Journal	Journal of Applicable Chemistry, 2021, 10 (2): 227-234
Authors	K. Somasekhara Rao, R.Sambasiva Rao

Title	EscapeCorona – Part 5 Knowledge Inn (in nature)-15
Journal	Journal of Applicable Chemistry, 2021, 10 (1): 108-120
Authors	R.Sambasiva Rao

Title	EscapeCorona – Part 4 Knowledge Inn (in nature)-14
Journal	Journal of Applicable Chemistry, 2020, 9 (6): 1053-1067
Authors	R.Sambasiva Rao

Title	EscapeCorona – Part 3 Knowledge Inn (in nature)-13
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Title	EscapeCorona – Part 2 Knowledge Inn (in nature)-12
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Authors	R.Sambasiva Rao

Title	Evolutionary-scientific-cure[Esc.]:Part 1. Corona virus disease [CVD]	
Journal	Journal of Applicable Chemistry, 2020, 9 (3): 344-361	
Authors	K. Somasekhara Rao, K. Ramakrishna, Ch. V. Kameswara Rao and R.Sambasiva Rao	