



## Knowledge Inn (in nature)

 [EscapeCorona](#)  
 [Research Profile of Alan Roy Katritzky](#)

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### Escape Corona- Part 3

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

#### Global and USA

SARS-CoV-2 (Global)			
Up to dd-mm-yy	Infected	Deaths	Recovered
19-09-20	3,03,95,579	9,50,434	2,06,80,746
10-09-20	2,76,05,560	8,98,269	1,85,65,072
01-08-20	1,75,94,541	6,79,439	1,03,33,166

SARS-CoV-2 (USA)			
Up to dd-mm-yy	Infected	Deaths	Recovered
19-09-20	68,11,443	2,01,546	36,70,465
10-09-20	64,34,718	1,93,119	34,81,537
01-08-20	46,42,226	1,55,660	22,73,889

SARS-CoV-2 (USA- a few states)						
17-09-2020						
	Infected	Fatal		Infected	Fatal	
California	7,58,556	14,712		Masschusetts	1,25,699	9,245

Texas	7,06,034	14,803	North Carolina	1,88,800	3,176
Florida	6,71,201	13,100	Kansas	51,813	586
New York	4,51,078	32,662	Hawaii	11,052	103
Ohio	1,40,518	4,555			

**..... India .....**

<b>SARS-CoV-2 (India)</b>			
<b>Up to dd-mm-yy</b>	<b>Infected</b>	<b>Deaths</b>	<b>Recovered</b>
<b>19-09-20</b>	<b>53,05,656</b>	<b>85,625</b>	<b>42,05,340</b>
17-09-20	51,22,846	83,257	40,25,079
10-09-20	44,62,965	75,091	34,69,084 ( @@ )
01-08-20	17,01,307	36,583	10,96,893
18-7-20	10,40,089	26,285	6,54,078

**@@** The author and his wife (R Lalitha Kumari) also recovered from Covid-19

<b>SARS-CoV-2(10-09 (sep)-2020)</b>			
<b>UK, Europe</b>			
<b>Country</b>	<b>Infected</b>	<b>Country</b>	<b>Infected</b>
<b>India</b>	<b>44,62,965</b>	U K	3,55,219
Brazil	41,79,471	Italy	2,81,583
Russia	10,41,007	Spain	5,43,379

<b>SARS-CoV-2 (Globe)—earlier</b>			
<b>Up to dd-mm-yy</b>	<b>Infected</b>	<b>Deaths</b>	<b>Recovered</b>
<b>18-7-20</b>	<b>1,40,60,402</b>	<b>6,01,820</b>	<b>78,61,823</b>
<b>17-06-20</b>	<b>80,35,364</b>	<b>4,36,918</b>	<b>38,72,963</b>
<b>20-5-20</b>	<b>50,00,561</b>	<b>3,28,172</b>	<b>18,99,675</b>

SARS-CoV-2 (Globe)		
First case(s) reported		
First case reported Date	Country	# days ago
1/22/2020	US	230
2/1/2020	Spain	220
1/31/2020	Russia	221
1/30/2020	India	222
[ Retrieved on 19-09-20]		

#### Referemces

Title	EscapeCorona – Part 2 Knowledge Inn (in nature)
Journal	Journal of Applicable Chemistry, 2020, 9 (4): 671-681
Authors	R.Sambasiva Rao

Title	Evolutionary-scientific-cure[Esc.]:Part 1. Corona virus disease [CVD]	..... <b>EscapeCovid-19..</b> ...???. ...!!! . ...
Journal	Journal of Applicable Chemistry, 2020, 9 (3): 344-361	
Authors	K. Somasekhara Rao, K. Ramakrishna, Ch. V. Kameswara Rao and R.Sambasiva Rao	

## Research Profile of Alan Roy Katritzky

Alan Roy Katritzky (FRS)	
Born on 18 August 1928	Website <a href="http://www.ark.chem.ufl.edu">www.ark.chem.ufl.edu</a>



ARK

Harringay

2170	Number of Papers
200	# Books

#### Academic profile of Alan Roy Katritzky

1933-40	South Harringay infant and junior schools	
1940	Hornsey County Grammar School	
1946-1948	Compulsory National Service (18 months)	
1948	St Catherine's College, Oxford first-class	B A honours degree (chemistry)
1954	<b>Thesis:</b> Structure of strychnine Supervisor : Sir Robert Robinson (NL in Chemistry 1947)	DPhil

#### Employment Alan Roy Katritzky

1954 to 1958	<ul style="list-style-type: none"> <li>☞ Independent researcher, Oxford           <ul style="list-style-type: none"> <li>○ Directing a small group at the Dyson Perrins Laboratory. The main interest was in pyridines.</li> </ul> </li> </ul>
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#### Faculty member

1957-1962	<ul style="list-style-type: none"> <li>○ Initial appointment: Demonstrator, Trinity college</li> <li>○ Foundation fellow of Churchill College Cambridge University</li> </ul>
1962	<ul style="list-style-type: none"> <li>▪ Professor of Chemistry</li> <li>▪ Founding head of the school of chemical sciences at the newly established University of East Anglia (UEA) in Norwich, UK</li> </ul>
1980-2014	<ul style="list-style-type: none"> <li>○ Kenan Chair of Chemistry at the University of Florida, Gainesville, US</li> <li>○ He founded a Centre for Heterocyclic Compounds to encourage postgraduate study and to find industrial applications for discoveries in the field</li> </ul>

Expertise of <b>Alan Roy Katritzky</b>	
📖 Physical organic	📖 Organic reaction mechanisms
📖 Polymer chemistry	📖 Synthetic Organic chemistry ○ Peptide
📖 Reactions in water at high temperatures and pressures	📖 Spectroscopy
📖 Chemical sensors	📖 QSPR

**Awards (to)**  
**Alan Roy Katritzky**



**Award(s)**

**FRS in Chemistry** (Fellow of the Royal Society) 1980

33 Honorary doctorates or professorships

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**(Open-heart musings of Alan Roy Katritzky)**

**Dedication/Love for Chemistry**









📖 Although chemistry was not taught there (in high schools) at that time, he was inspired to study the subject by private lessons given by W. E. Fieldhouse, the chemistry master at another school.

- ! He acquired his passion for chemistry at Wisbech high school
- ! Having a liking for bench work, he organized his own laboratory at home,
- ! Prepared his first heterocyclic compound, the barbiturate veronal 1, on his 15th birthday.

**Fortunate**

Alan counted himself fortunate to have had no fewer than five discussions with Sir Robert during the

two years of Ph.D career
<b>Lessons from non-global real time communication of research results</b>
His thesis was concerned with the structure and biosynthesis of strychnine 2 and would have made a significant impact Japanese workers had arrived at the same result in work that had been published during the war but came to light in the West only several years later
<b>Katritzky way of publishing research</b>
This experience during formative period of his research career made Alan resolve never to delay publication of any useful piece of work but to see it into print as soon as possible <b>Academic benefit:</b> his students would not have the frustration of seeing their efforts lost on account of priority criteria

<b>Personality</b>
<ul style="list-style-type: none"> <li> Forceful, direct and resolute in his professional life</li> <li> His commitment to his chosen subject was total</li> <li> Compassionate and warm in personal relationships</li> </ul>
<b>Scientific presentation</b>
<ul style="list-style-type: none"> <li>! Clearly honed presentation</li> <li>! Lecturing style in large, unamplified halls extremely attractive</li> <li>! Could be easily heard outside on the lawn</li> </ul>
<b>Research outcome</b>
<p>Prodigious output -- proved to be of great value to the</p> <ul style="list-style-type: none"> <li> Academic community</li> <li> Pharmaceutical industry</li> <li> Agrichemical Domain</li> <li> Dyestuffs and polymers</li> </ul> <p style="text-align: center;"><b>He maintained his remarkable output until a few days before his death</b></p> <p style="text-align: center;"><b>on 10 February 2014 (at 85 years of age)</b></p>


<b>Biological Family of Alan Roy Katritzky</b>		
Grand father	Martin Katritzky came from West Prussia, now part of Poland. He was the son of a farmer, and he migrated to England in 1871	Tailors

Grand Mother	Maria Wilhelmine Wolsky, another recent German immigrant	
Father	Frederick Charles Katritzky	Tailor
Mother	Emily Catherine (née Lane).	
Wife(s)	Agnes Juliane Dietlinde Kilian (Linde)	
Children	Rupert, Margaret, Erika; Freda	
Grandchildren	Martin, Eric and Elisabeth	

year	387 High-probability publications of Katritzky AR	Citation Score
2016	Faidallah HM, Panda SS, Serrano JC, Girgis AS, Khan KA, Alamry KA, Therathanakorn T, Meyers MJ, Sverdrup FM, Eickhoff CS, Getchell SG, <b>Katritzky AR</b> . Synthesis, antimalarial properties and 2D-QSAR studies of novel triazole-quinine conjugates. <i>Bioorganic &amp; Medicinal Chemistry</i> . PMID 27298002 DOI: <a href="https://doi.org/10.1016/j.bmc.2016.05.060">10.1016/j.bmc.2016.05.060</a>	0.76
2016	Zhang H, Wang Z, Jabeen F, Gopinathan-Pillai G, Zhou W, Steel PJ, Hall CD, <b>Katritzky AR</b> . Synthesis of pyridinium N-aryl/N-heteroaryl cyclic ylides as potential energetic materials <i>Tetrahedron Letters</i> . 57: 20-24. DOI: <a href="https://doi.org/10.1016/j.tetlet.2015.11.043">10.1016/j.tetlet.2015.11.043</a>	0.6
2015	Panda SS, Liaqat S, Girgis AS, Samir A, Hall CD, <b>Katritzky AR</b> . Novel antibacterial active quinolone-fluoroquinolone conjugates and 2D-QSAR studies. <i>Bioorganic &amp; Medicinal Chemistry Letters</i> . 25: 3816-21. PMID 26253630 DOI: <a href="https://doi.org/10.1016/j.bmcl.2015.07.077">10.1016/j.bmcl.2015.07.077</a>	0.76
2015	Girgis AS, Panda SS, Farag IS, El-Shabiny AM, Moustafa AM, Ismail NS, Pillai GG, Panda CS, Hall CD, <b>Katritzky AR</b> . Synthesis, and QSAR analysis of anti-oncological active spiro-alkaloids. <i>Organic &amp; Biomolecular Chemistry</i> . 13: 1741-53. PMID 25502495 DOI: <a href="https://doi.org/10.1039/c4ob02149e">10.1039/c4ob02149e</a>	0.76
2014	Detistov OS, Panda SS, Steel PJ, Asiri AM, Hall CD, <b>Katritzky AR</b> . Diastereoselective synthesis of methanopyridoxocinones <i>Synlett</i> . 25: 2654-2660. DOI: <a href="https://doi.org/10.1055/s-0034-1379182">10.1055/s-0034-1379182</a>	0.76
2014	Khaybullin RN, Panda SS, Mirzai S, Toneff E, Asiri AM, Hall CD, <b>Katritzky AR</b> . Arginine thioacid in synthesis of arginine conjugates and peptides <i>Rsc Advances</i> . 4: 55210-55216. DOI: <a href="https://doi.org/10.1039/c4ra04897k">10.1039/c4ra04897k</a>	0.76
2002	<b>Katritzky AR</b> , Suzuki K, He HY. Novel syntheses of enantiopure hexahydroimidazo[1,5-b]isoquinolines and tetrahydroimidazo[1,5-b]isoquinolin-1(5H)-ones via iminium cation cyclizations. <i>The Journal of Organic Chemistry</i> . 67: 8224-9. PMID 12423156	0.84
1966	<b>Katritzky AR</b> , Popp FD, Rowe JD. Potentially tautomeric pyridines. Part VII. Glutaconimide and its methyl derivatives <i>Journal of the Chemical Society B: Physical Organic</i> . 562-564. DOI: <a href="https://doi.org/10.1039/J29660000562">10.1039/J29660000562</a>	0.76

1958	Bax CM, <b>Katritzky AR</b> , <b>Sutton LE</b> . 246. N-oxides and related compounds. Part VIII. The electric dipole moments of a series of 4-substituted pyridine-boron trichloride complexes <i>Journal of the Chemical Society (Resumed)</i> . 1254-1257. DOI: <a href="https://doi.org/10.1039/JR9580001254">10.1039/JR9580001254</a>	0.76
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<b>Nobel Laureates</b>		
<b>Synthetic organic chemistry</b>		
<b>Nobel Laureate</b>	<b>Contribution</b>	<b>Year</b>
Robert Robinson	Nature's Assembly Instructions	1947
Otto Diels and Kurt Alder	Closing the Circle	1950
Robert Woodward	Rebuilding Chemical Complexity	1965
Herbert Brown and Georg Wittig	Chemical Construction Tools	1979

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