

ASSAM UNIVERSITY, SILCHAR

Faculty Profile

A. Name : DR. SUMAN KALYAN PANJA

B. Designation : Assistant Professor

C. Address : Department of Education, Assam University, Silchar – 788011, Assam, India.
 suman.kalyan.panja@aus.ac.in/sumanpanja03@gmail.com
<https://orcid.org/0000-0002-9097-4938>,
 Scopus ID: 35300461900, Web of Science ID: IYS-9100-2023, Vidwan: 442861.

D. School : Asutosh Mukherjee School of Educational Sciences.

E. Academics (Multidiscipline):

1. Education					
B.Ed. (C.U) (2014)	M. Ed. (C.U) (2015)	Ph.D. (AUS) (2023)	PGD in Guidance and Counselling (C.U) (2015)	NET (NTA) (2019)	WBTET
2. Chemistry					
B.Sc (C.U) (2005)	M.Sc (C.U) (2007)	Ph.D. (C.U) (2012)	PGD in Chemical Analysis and Quality Management (UoH) (2016)	NET (CSIR) (2011)	GATE (2007)
3. PGD in Training and Development from ISTD, New Delhi (2018)					

F. Research Interest:

MOOC, Higher Education, Professional Development, Technology Enhanced Learning, Educational Technology, Science Education, STEM, ITEP.

G. Experiences:

Assistant Professor (October 2017 - Till Date), Department of Education, Assam University, Silchar.

Assistant Professor (On Contract, August, 2016 – April, 2017), Department of Chemistry, DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.

Assistant Professor (On Contract, August, 2015 – April, 2016), Department of Chemistry, DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.

H. Achievements, Awards & Honours:

3. **Best paper award** for the paper "Achieving SDG 4 in Indian Higher Education through the Attainment of the Inclusive Environment: A Study on Indigenous MOOCs Learners' Perspective" at the International Conference on Sustainable Development Goals & Gender Perspective, 2022 hosted at SVNIT, Surat.
2. **NPTEL courses topper** on Enhancing Soft Skills and Personality, Educational Leadership, Stereochemistry, Pericyclic Reactions and Organic Photochemistry.
1. **NPTEL Motivated Learner Award** (Dec. 2019).

I. Multidisciplinary (Research Article) Publications: 27

27. **Suman Kalyan Panja**. "Digital Transformation in School for Mobile Learning: Insights from Preservice Teachers during the COVID-19 Pandemic." *Frontiers in Education*, **2026**, 11, 1-10. (ISSN 2504-284X). <https://doi.org/10.3389/feduc.2026.1858555>. Scopus, IF-0.74.
26. **Suman Kalyan Panja**. "Artificial Intelligence in Education: SWOT Analysis." *Bulletin Science Technology & Society*, **2025**, 45(3-4), 75-88. (ISSN 1552-4183). <https://doi.org/10.1177/02704676251371993>. Scopus, IF-0.81.
25. Ramesh Chander Sharma and **Suman Kalyan Panja**. "Addressing Academic Dishonesty in Higher Education: A Systematic Review of Generative AI's Impact." *Open Praxis*. **2025**, 17(2), 251-269. (ISSN 2304-070X). <https://doi.org/10.55982/openpraxis.17.2.820>. Scopus, WoS. IF-0.33. Open access.
24. **Suman Kalyan Panja**. "How have the SWAYAM MOOCs impacted Indian higher education? An inquiry through data mining approach." *Indian Journal of Educational Technology*, **2025**, 7(II), 1-16. (ISSN 2581-8325). <https://journals.ncert.gov.in/IJET/article/view/1391>. UGC CARE, Open access.
23. Ramesh Chander Sharma and **Suman Kalyan Panja**. "Exploring the potential of generative artificial intelligence in education: A bibliometric analysis." *Education and Self Development*. **2025**, 20(1), 71-88. (ISSN 1991-7740). <https://doi.org/10.26907/esd.20.1.06>. Scopus. IF-0.19. Open access.
22. Marmar Mukhopadhyay and **Suman Kalyan Panja**. "Teacher effectiveness: A psychoanalytic model." *Education@ETMA*, **2024**, 3(1), 15-27. (eISSN 2583-3928). <https://etma-india.com/index.php/educationatetma/article/view/51>. Open access.
21. **Suman Kalyan Panja**, Atanu Banerjee, Kamal Krishna De and Ajay Kumar Singh. "The attitude of students and teachers towards MOOC usage for their academic and professional development: A comparative study of two case study sites." *Tuning Journal for Higher Education*, **2023**, 10 (2), 245-270. (e-ISSN: 2386-3137). <https://doi.org/10.18543/tjhe.2481>. Scopus, WoS. IF-0.22. Open access.
20. **Suman Kalyan Panja** and Ajay Kumar Singh. "A Narrative Study on iGOT and LEAP for the Professional Development of Government Employees in India." *International Journal for Innovative Research in Multidisciplinary Field*, **2022**, 8 (11), 23-26. (ISSN No. 2455-0620). Open access.
19. **Suman Kalyan Panja** and Kamal Krishna De. "Attitude towards career guidance and counselling among higher secondary school teachers under present scenario in west Bengal." *Indian Journal of Applied Research*, **2015**, 5 (12), 12-17. (ISSN No. 2249-555X). Open access.

18. Jaydip Ghosh, **Suman Kalyan Panja**, Sourav Maiti, Pritam Biswas, Tapas Sarkar and Chandrakanta Bandyopadhyay. "Synthesis of 3-aminomethylidenechroman-2-carboxamides by a Sequential One-pot Three Component Reaction and by Post-Passerini Condensation Modification." *J. Heterocyclic Chem.*, **2016**, 53 (2), 449 - 456. (ISSN No. 1943 - 5193).
17. **Suman Kalyan Panja**, Jaydip Ghosh, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of furocoumarins and biscoumarins by an isocyanide-induced multicomponent reaction: isocyanide as a masked amine." *J. Chem. Res.*, **2012**, 36 (4), 222 - 225. (ISSN No. 1747 - 5198).
16. Sourav Maiti, **Suman Kalyan Panja**, Koushik Sadhukhan, Jaydip Ghosh, Chandrakanta Bandyopadhyay. "Effects of substituent and catalyst on the intramolecular Povarov reaction—synthesis of chromenonaphthyridines." *Tetrahedron Lett.*, **2012**, 53 (6), 694 - 696. (ISSN No. 0040 – 4039).
15. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of 8,8'-(polymethylene-/o-xylyl-dioxy)di(pyrano[4,3-b]-1- benzopyran)-10H-10-one and its conversion to corresponding diacrolein derivative." *J. Indian Chem. Soc.*, **2011**, 88, 1577 - 1580. (ISSN No. 0019 – 4522).
14. Sourav Maiti, Suvadip Mallick, **Suman Kalyan Panja**, Chiranjib Pal and Chandrakanta Bandyopadhyay. "A one-pot rearrangement of 2-(N-alkyl-N-aryl)aminochromone-3-carbaldehyde to N-alkyl-3-salicyloyl-2-quinolone- an antileishmanial agent." *Synlett*, **2011**, 22 (14), 2001 - 2004. (ISSN No. 0936 - 5214).
13. Sourav Maiti, T. M. Lakshmykanth, **Suman Kalyan Panja**, Ranjan Mukhopadhyay, Ayan Datta and Chandrakanta Bandyopadhyay. "Regio- and stereoselective synthesis of 1-benzopyrano[2,3-b]pyrrolo[2,3-d]pyridines: A microwave-accelerated intramolecular [3+2] cycloaddition reaction of azomethine ylide." *J. Heterocycl. Chem.*, **2011**, 48 (4), 763 - 768. (ISSN No. 1943 - 5193).
12. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "An organocatalytic rearrangement of 2-(N-alkyl-/aryl)amino-4-oxo-4H-1-benzopyran-3-carbaldehyde." *Tetrahedron Lett.*, **2011**, 52 (16), 1946 -1948. (ISSN No. 0040 – 4039).
11. **Suman Kalyan Panja**, Sourav Maiti, Michael G. B. Drew and Chandrakanta Bandyopadhyay. "One-pot three component reaction involving cyclohexyl isocyanide for the synthesis of furo[3,4-b]chromenes." *J. Chem. Res.*, **2011**, 35 (4), 225 - 228. (ISSN No. 1747 - 5198).
10. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "Synthesis of 6,8-diarylimino-7H-pyrano[3,2-c:5,6-c']dicoumarin; chemoselective hydrolysis of the ether- and imino-functions." *J. Chem. Res.*, **2011**, 35 (2), 84 - 86. (ISSN No. 1747 – 5198).
9. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of 3-allylchromones, homoisoflavones and bischromones from 1-(2-hydroxyphenyl)-3-(N, N-dimethylamino) propenone." *J. Chem. Res.*, **2010**, 34 (10), 555 - 558. (ISSN No. 1747 - 5198).
8. Sourav Maiti, **Suman Kalyan Panja**, and Chandrakanta Bandyopadhyay. "Substituent-controlled domino-Knoevenagel-hetero Diels-Alder reaction – a one-pot synthesis of polycyclic heterocycles." *Tetrahedron*, **2010**, 66 (38), 7625 - 7632. (ISSN No. 0040 – 4020).
7. **Suman Kalyan Panja**, Sourav Maiti, Subhabrata Banerjee and Chandrakanta Bandyopadhyay. "One-Pot Synthesis of Pyrano [3, 4-b] chromones from Chromone-3- carbaldehyde." *Synlett*, **2010**, 2010 (13), 1909 - 1914. (ISSN No. 0936 – 5214).
6. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "A one-pot synthesis of the 1-

benzopyrano[2,3-b]pyridine moiety from 2-(Alkyl/arylamino)-4-oxo-4H-1-benzopyran-3-carbaldehyde." *J. Heterocycl. Chem.*, **2010**, 47 (4), 973 - 981. (ISSN No. 1943 - 5193).

5. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "One-pot three component reaction for the synthesis of chromone-linked naphthopyran." *J. Chem. Res.*, **2009**, 2009 (11), 692 - 695. (ISSN No. 1747 – 5198).
4. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "Reaction of amines with nitrones derived from chromone-3-carbaldehyde." *Indian J. of Chem.*, **2009**, 48B, 1447 - 1452. (ISSN No. 0975 – 0983).
3. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "A one-pot synthesis of 3,3'-methylenebis(2-arylamino-4H-chromen-4-one) from C-(4-oxo-4H-1-benzopyran-3-yl)-N-arylnitrone." *Tetrahedron Lett.*, **2009**, 50 (27), 3966 - 3969. (ISSN No. 0040 – 4039).
2. **Suman Kalyan Panja**, Sourav Maiti, Michael G. B. Drew and Chandrakanta Bandyopadhyay. "Synthesis of bischromones by deformylative Mannich reaction on chromone-3-carbaldehyde using α -aminoacid as the source of amin." *Tetrahedron*, **2009**, 65 (7), 1276 - 1280. (ISSN No. 0040 – 4020).
1. **Suman Kalyan Panja**, Partha Karmakar, Jishnunil Chakraborty, Tarun Ghosh and Chandrakanta Bandyopadhyay. "Synthesis of dispiropyrrolidines from chromone-3-carbaldehyde using sarcosine and ninhydrin as the source of an azomethine ylide." *Tetrahedron Lett.*, **2008**, 49 (28), 4397 – 4401. (ISSN No. 0040 – 4039).

J. Book Chapters: 04

4. **Suman Kalyan Panja**. (2025). Education as the personal growth engine: South Africa. Vol. I, pp. 133-152. In *The world of learning – Lessons from 52 countries*. (Eds.) Dr. Marmar Mukhopadhyay, Mrityunjoy Kaibarta, Bidhan Gantait, and Mrinal Mukherjee. An ETMA Publication. ISBN. 978-81-969998-5-8. https://etma-india.in/dist/images/pdf/wol_online_version_1.pdf.
3. **Suman Kalyan Panja**. (2025). Educational reforms through strategic partnership: Jordan. Vol. II, pp. 543-564. In *The world of learning – Lessons from 52 countries*. (Eds.) Dr. Marmar Mukhopadhyay, Mrityunjoy Kaibarta, Bidhan Gantait, and Mrinal Mukherjee. An ETMA Publication. ISBN. 978-81-969998-1-0. https://etma-india.in/dist/images/pdf/wol_online_version_2.pdf.
2. **Suman Kalyan Panja**. (2023). HRD for effective HRM. pp. 151-160. In *Diamond Jubilee Commemorative Volume (1958-2018)*. (Eds.) Dr. Siharan Chakrabarty and Russell Al Farabi. Ramakrishna Mission Sikshanamandira, Belur Math. ISBN. 978-93-95666-26-8.
1. **Suman Kalyan Panja**. (2022). Practising HRD for achieving HRM. pp. 46-64. In *Human Resource Management in the 21st Century*, (Eds.) J. Sanyal and E.Chakravarty. GPHI. ISBN. 978-93-95606-11-0.

K. Monograph Published:

Suman Kalyan Panja (2015), "Evaluation Framework for Govt., Govt-Sponsored and Govt-aided Secondary Schools in India" (ISBN NO - 9788192367514).

L. Participation in Seminar/Symposium/Workshop/Conference/Training: 24

Paper Presentation: 12				
Sl. No.	Programme	Schedule	Organised By	Title of the Paper
12	International Seminar on Implementation and Execution of NEP-2020 in the light of Inclusive Education	21-22 nd February, 2023	Vevekjyoti College, West Bengal.	SWAYAM MOOCs for Transformational Education using Technology: NEP-2020 Perspective
11	2 nd International Conference on Sustainable Development Goals & Gender Perspective (ICSDGAGP2022)	15th & 16th December 2022	DoEE, SVNIT, Surat, India.	Achieving SDG 4 in Indian Higher Education through the Attainment of the Inclusive Environment: A Study on Indigenous MOOCs Learners' Perspective
10	CPHEI - 2022 International conference on changing paradigms of higher education in India and the way ahead	7 - 9 th December, 2022	Department of Education Akal University, Bathinda.	The Mapping of SWAYAM MOOCs: A Data Mining Approach
9	ICSSR NERC sponsored National Seminar on Inclusive Education in India	10-11 th March, 2022.	Department of Education, Mizoram University, Aizawl, Mizoram.	Practising Inclusive Education in Higher Education during Covid-19 Pandemic: A Means of Continuing Professional Development through Indian MOOCs
8	National Seminar on Integration of Indigenous Knowledge in the School Curriculum: Prospects and Challenges	17-18 th February, 2022.	NERIE-NCERT, Meghalaya.	SWAYAM MOOC, Higher Education and School Education; Cross Road
7	National Seminar on Higher Education in India: Reorientation and Quality Assurance	23 rd March, 2019	AUTA, Assam University, Silchar.	Quality Assurance? We Are "NAAC" Peer Team, Not Fear Team!
6	International Seminar on Culture, Thought & Religion: Edges and Exchanges	28 th January, 2019	East Calcutta Girls' College, Lake Town	Diversity Management and Inclusion
5	International Seminar on Peace, Well-being & Education: a Pedagogical Discourse.	28-29 th December, 2018.	Jadavpur University & Bhattar College, Dantan.	Coping With Stress for Psychological and Social Wellbeing
4	International Seminar on "New Horizons in Teacher Education".	15-16 th January, 2018.	WBUTTEPA, Kolkata.	Relating Human Resource Development with Teacher Education in the 21 st Century.
3	National conference on "Quality Assurance in School Education".	17-18 th December, 2015.	Regional Institute of Education (NCERT), Bhubaneswar.	Attitude towards Career Guidance and Counselling Among Higher Secondary School Teachers Under Present Scenario in West

				Bengal.
2	National seminar on “National Seminar on Current Trends in Chemistry-IV (NSCTC-IV)”.	26 th February, 2010.	University of Kalyani.	One-pot synthesis of pyrano[3,4- <i>b</i>]chromones from chromone-3-carbaldehyde.
1	International symposium on “Frontiers of Functional Materials”.	6-7 th January, 2009.	University of Calcutta.	Synthesis of dispiropyrrolidines from chromone-3-carbaldehyde using deformylative Mannich reaction.

Workshop Attendance and Contribution: 3

Sl. No.	Programme	Schedule	Organised By
3	Role of Academia in Building Resilience of Children to Disasters in Barak Valley of Assam.	11-12 th December, 2017	Department of Social Work, Assam University, Silchar in collaboration with UNICEF, Assam and Assam State Disaster Management Authority.
2	Development of CBCS based integrated syllabus for B.Sc B.Ed students.	6 – 7 th December, 2016.	DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.
1	Developing Evaluation Framework for Government, Government Sponsored & Government Aided Schools in India.	9 th April, 2015.	Ramakrishna Mission Sikshanamandira, Belur Math.

Participation in Seminar/Symposium/Workshop/Conference/Training: 10

Sl. No.	Programme	Schedule	Organised By
10	Webinar on Developing Work-Life Balance and Prioritizing Mental Health in Academia	6 TH May, 2026	SAGE
9	Public Procurement under GFR 2017 from ISTM (DoPT), Gol.	22 nd – 24 th April, 2019	Assam University, Silchar.
8	“NPTEL SPOC workshop”.	6 th January, 2018.	IIT – Kharagpur.
7	“ National Conference on Mathematics Education”.	19-20 th December, 2016.	Regional Institute of Education (NCERT), Bhubaneswar.
6	College level seminar on “Modern Trends in Chemistry”.	9 th January, 2013.	Ramakrishna Mission Vivekananda Centenary College, Rahara.

5	College level seminar on "Interdisciplinary Approach in College Level Chemistry".	6 th September, 2011.	Ramakrishna Mission Vivekananda Centenary College, Rahara and Mahadevananda Mahavidyalaya, Barrackpore.
4	National level symposium on "National Symposium on Organic Chemistry (NSOC-IV)".	2-3 rd February, 2011.	Jadavpur University.
3	International level symposium on "Facets of Weak Interactions in Chemistry".	13-15 th January, 2011.	University of Calcutta.
2	International level symposium on "Organic Chemistry: Trends in 21 st Century".	10-12 th December, 2009.	IACS, Jadavpur.
1	Kolkata chapter symposium on "Current Trends of Chemical Research".	8 th August, 2009.	Ramakrishna Residential College, Narendrapur.

M. Contribution to E-content Development (Translated to regional language):

Course No – 121106008 (UG), 127108005 (PG).

Link - <https://nptel.ac.in/courses/121/106/121106008/>. Creation of IITM.

<https://nptel.ac.in/courses/127/108/127108005/>. Creation of IISc.

Platform – NPTEL, SWAYAM.

N. CPD (MOOCs) Attended:

23. Digital Empowerment for Adult Educators in the Age of AI (UNESCO UIL)
22. Action Research in Education (NCERT - New Delhi).
21. Programme on School Leadership and Management (NIEPA – New Delhi).
20. Stereochemistry (IIT – Kharagpur).
19. Basics of Fluorescence Spectroscopy (IIT – Kanpur).
18. Human Resource Development (IIT – Kharagpur).
17. Principles and Applications of NMR Spectroscopy (IISc – Bangalore).
16. Enhancing Soft Skills & Personality (IIT – Kanpur).
15. Analytical Chemistry (IIT – Kharagpur).
14. Educational Leadership (IIT – Kharagpur).
13. Stress Management (IIT – Kharagpur).
12. Pericyclic Reactions and Organic Photochemistry (IIT – Madras).
11. Introduction to Cognitive Psychology (IIT – Guwahati).

10. Teaching & Learning in Ground Phase TALG (IISc – Bangalore).
9. Introduction to Psychology: The History and Science of Psychology (Monash University).
8. Introduction to Psychology: Developmental Psychology (Monash University).
7. Introduction to Psychology: The Psychology of Learning (Monash University).
6. Introduction to Psychology: The Psychology of Personality (Monash University).
5. Introduction to Psychology: Sensation and Perception (Monash University).
4. Creating Apps in the Classroom (Queensland University of Technology).
3. The Science of Learning (National STEM Learning Centre).
2. What is Leadership (Deakin University).
1. Essential Skills for Your Career Development (University of Leeds and Institute of Coding).

O. FDP (MOOCs) Completed:

3. Educational Leadership (IIT – Kharagpur).
2. Stress Management (IIT – Kharagpur).
1. Teaching & Learning in Ground Phase TALG (IISc – Bangalore).

P. OP/FIP/RC/CBP Attended:

5. Two weeks CBP on **Research in Practice** from 09/05/2023 to 20/05/2023 in Dept. of Education, Central University of Jharkhand.
4. ARPIT course on **Internship in Teaching** (RIE – Mysore. 05/11/18 - 28/02/2019).
3. **Online Refresher Course in Chemistry for Higher Education Faculty** (Sri Guru Tegh Bahadur Khalsa College, University of Delhi, 01.09.2019 – 31.12.2019).
2. **ICSSR** sponsored two weeks CBP on **Research Methodology in Social Science and Social Work for young faculties** from 07/11/2019 to 20/11/2019 in Dept. of Social Work, Assam University, Silchar.
1. FIP3 at **UGC-HRDC-JNU** from 28/12/2020 to 23/01/2021.

Q. Membership with Professional Bodies:

1. AIAER, Bhubaneswar (4284).

R. Research Projects: 01

1. “Study of Diels Alder Reaction on Substituted Chromone for the Synthesis of Pharmaceutically Important Xanthene Analogues.” Funded by UGC (start-up grant), New Delhi. [Sanctioned on 07.03.2019, letter no.F.30-458/2019 (BSR)]. [07/03/2019 – 06/03/2022]. Fund sanctioned: 1000000, utilized: 796674. PI. [completed]

S. Consultancy Being Extended:

1. Member of the UNESCO-INRULED consultative process for the LVDE programme (2024).

T. Information Dissemination:

1. Reviewer for the Technology, Knowledge and Learning (Springer).
2. Frontiers in Education (MDPI).